
Subject: CT: failed to start with err=-12
Posted by [lours](#) on Wed, 28 Oct 2009 07:25:40 GMT
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Hie,

I have CT: 150: failed to start with err=-12 on my server and ENOMEM (Cannot allocate memory) in strace

VT 101 to 149 works without trouble but 150 fail to start, so i have currently 49 virtuals running

I think i have enough memory and i can't find where is the problem.

Can somebody help me

Server : Ubuntu TLS 8.04 on power Edge 620

```
# free
      total     used     free   shared  buffers   cached
Mem:   8171912  4117748  4054164       0  149988  1683428
-/+ buffers/cache:  2284332  5887580
Swap:  1951856    46380  1905476
```

With /var/lib/vz link in /home/vz

```
# df -h
Sys. de fich.      Tail. Occ. Disp. %Occ. Monté sur
/dev/sda1          9,3G  5,3G  3,6G  60% /
varrun             3,9G  88K   3,9G  1% /var/run
varlock            3,9G   0    3,9G  0% /var/lock
udev               3,9G  76K   3,9G  1% /dev
devshm             3,9G   0    3,9G  0% /dev/shm
lrm                3,9G  47M   3,9G  2% /lib/modules/2.6.24-25-openvz/volatile
/dev/sda8          113G  32G   76G  30% /home
/dev/sda7          1,9G  35M   1,8G  2% /tmp
/dev/sda6          9,3G  1,6G  7,3G  18% /var/log
```

ulimit are default ubuntu

```
# ulimit -a
core file size      (blocks, -c) 0
data seg size        (kbytes, -d) unlimited
scheduling priority (-e) 0
file size           (blocks, -f) unlimited
pending signals      (-i) 71680
max locked memory   (kbytes, -l) 32
```

```

max memory size      (kbytes, -m) unlimited
open files          (-n) 1024
pipe size           (512 bytes, -p) 8
POSIX message queues (bytes, -q) 819200
real-time priority   (-r) 0
stack size           (kbytes, -s) 8192
cpu time             (seconds, -t) unlimited
max user processes   (-u) 71680
virtual memory       (kbytes, -v) unlimited
file locks           (-x) unlimited

```

Output of vzmemcheck

```
#vzmemcheck -v
veid  LowMem  LowMem  RAM MemSwap MemSwap Alloc Alloc Alloc
      util  commit  util  util  commit  util  commit  limit
102    0.19   0.70   0.25   0.20   0.67   0.38   0.67   3.18
101    0.04   0.70   0.14   0.11   0.67   0.14   0.67   3.18
149    0.05   0.70   0.17   0.14   0.67   0.17   0.67   3.18
148    0.10   0.70   0.22   0.18   0.67   0.25   0.67   3.18
147    0.05   0.70   0.17   0.14   0.67   0.17   0.67   3.18
146    0.05   0.70   0.17   0.14   0.67   0.17   0.67   3.18
145    0.05   0.70   0.17   0.14   0.67   0.17   0.67   3.18
144    0.05   0.70   0.17   0.14   0.67   0.17   0.67   3.18
143    0.10   0.70   0.73   0.59   0.67   0.65   0.67   3.18
142    0.10   0.70   0.67   0.54   0.67   0.60   0.67   3.18
141    0.05   0.70   0.17   0.14   0.67   0.17   0.67   3.18
140    0.05   0.70   0.17   0.14   0.67   0.17   0.67   3.18
139    0.11   0.70   0.70   0.57   0.67   0.63   0.67   3.18
138    0.12   0.70   0.98   0.79   0.67   0.85   0.67   3.18
137    0.08   0.70   0.19   0.16   0.67   0.22   0.67   3.18
136    0.05   0.70   0.17   0.14   0.67   0.17   0.67   3.18
135    0.10   0.70   0.30   0.24   0.67   0.32   0.67   3.18
134    0.11   0.70   0.77   0.62   0.67   0.69   0.67   3.18
133    0.07   0.70   0.18   0.15   0.67   0.20   0.67   3.18
132    0.10   0.70   0.39   0.31   0.67   0.39   0.67   3.18
131    0.05   0.70   0.17   0.14   0.67   0.17   0.67   3.18
130    0.07   0.70   0.28   0.23   0.67   0.27   0.67   3.18
129    0.10   0.70   0.34   0.27   0.67   0.35   0.67   3.18
128    0.05   0.70   0.17   0.14   0.67   0.17   0.67   3.18
127    0.10   0.70   0.24   0.20   0.67   0.28   0.67   3.18
126    0.05   0.70   0.17   0.14   0.67   0.17   0.67   3.18
125    0.05   0.70   0.17   0.14   0.67   0.17   0.67   3.18
124    0.11   0.70   1.36   1.10   0.67   1.16   0.67   3.18
123    0.10   0.70   0.97   0.78   0.67   0.85   0.67   3.18
122    0.10   0.70   0.86   0.70   0.67   0.77   0.67   3.18

```

121	0.10	0.70	0.35	0.28	0.67	0.36	0.67	3.18
120	0.10	0.70	0.81	0.65	0.67	0.72	0.67	3.18
119	0.10	0.70	0.67	0.54	0.67	0.60	0.67	3.18
118	0.11	0.70	0.87	0.70	0.67	0.78	0.67	3.18
117	0.10	0.70	0.83	0.67	0.67	0.74	0.67	3.18
116	0.11	0.70	0.63	0.51	0.67	0.57	0.67	3.18
115	0.10	0.70	0.51	0.41	0.67	0.48	0.67	3.18
114	0.10	0.70	0.71	0.58	0.67	0.64	0.67	3.18
113	0.05	0.70	0.17	0.14	0.67	0.17	0.67	3.18
112	0.10	0.70	0.87	0.70	0.67	0.77	0.67	3.18
111	0.11	0.70	0.82	0.66	0.67	0.73	0.67	3.18
110	0.10	0.70	0.79	0.63	0.67	0.70	0.67	3.18
109	0.07	0.70	0.19	0.15	0.67	0.47	0.67	3.18
108	0.11	0.70	1.35	1.09	0.67	1.16	0.67	3.18
107	0.10	0.70	1.25	1.01	0.67	1.07	0.67	3.18
106	0.05	0.70	0.17	0.14	0.67	0.17	0.67	3.18
105	0.05	0.70	0.17	0.14	0.67	0.17	0.67	3.18
104	0.05	0.70	0.17	0.14	0.67	0.17	0.67	3.18
103	0.09	0.70	0.75	0.61	0.67	0.67	0.67	3.18

Summary: 4.13 34.30 23.73 19.16 33.03 22.25 33.03 155.96

The configuration ws created whith vzsplit -n 150, attached below

In attachment the trace log

#strace -fv vzctl start 150

Please can't someone tail me what a miss

Thanks

File Attachments

-
- 1) [trace.log](#), downloaded 304 times
 - 2) [ve-split150.conf-sample](#), downloaded 305 times
-

Subject: Re: CT: failed to start with err=-12

Posted by [kir](#) on Wed, 28 Oct 2009 07:54:04 GMT

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Anything relevant in dmesg? The error comes from the kernel so it probably reported something.

Subject: Re: CT: failed to start with err=-12
Posted by [lours](#) **on** Wed, 28 Oct 2009 08:09:40 GMT
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Thanks for your quick reply

At boot dmesg :

```
...
[ 361.481184] CT: 146: started
[ 367.030585] CT: 147: started
[ 372.870115] CT: 148: started
[ 381.879666] CT: 149: started
[ 386.904125] CT: 150: stopped
[ 386.904134] CT: 150: failed to start with err=-12
[ 397.295365] nf_conntrack version 0.5.0 (16384 buckets, 65536 max)
```

after vzctl start 150

```
[ 1389.367354] CT: 150: stopped
[ 1389.367367] CT: 150: failed to start with err=-12
```

Subject: Re: CT: failed to start with err=-12
Posted by [kir](#) **on** Wed, 28 Oct 2009 09:30:48 GMT
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What is your kernel version? (uname -a, cat /proc/vz/version)

Subject: Re: CT: failed to start with err=-12
Posted by [lours](#) **on** Wed, 28 Oct 2009 09:49:36 GMT
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```
# cat /etc/issue
Ubuntu 8.04.3 LTS

# uname -a
Linux www 2.6.24-25-openvz #1 SMP Tue Oct 20 09:23:00 UTC 2009 x86_64 GNU/Linux

# cat /proc/vz/version
ovz005
```

Thanks

Subject: Re: CT: failed to start with err=-12
Posted by [kir](#) on Wed, 28 Oct 2009 10:32:06 GMT
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This version is way too old. I'm not sure what to do here. Maybe it makes sense for you to try the RHEL5-based kernel (<http://wiki.openvz.org/Download/kernel/rhel5>). Yup I know you are on Ubuntu, maybe you'll have luck using alien to convert the kernel rpm to deb.

Subject: [Solved] Re: CT: failed to start with err=-12
Posted by [lours](#) on Thu, 12 Nov 2009 08:40:08 GMT
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I've found what was wrong, in ubuntu kernel i have to remove

From

=====

```
CONFIG_AF_RXRPC=m
# CONFIG_AF_RXRPC_DEBUG is not set
CONFIG_RXKAD=m u
CONFIG_ECRYPT_FS=m
CONFIG_AFS_FS=m
# CONFIG_AFS_DEBUG is not set
CONFIG_KEYS=y
# CONFIG_KEYS_DEBUG_PROC_KEYS is not set
```

To

=====

```
# CONFIG_AF_RXRPC is not set
# CONFIG_AFS_FS is not set
# CONFIG_KEYS is not set
```

And it works!!!

This remove the 50 limits of vz machine

Thanks

Subject: Re: [Solved] Re: CT: failed to start with err=-12
Posted by [seniorgregor](#) on Fri, 04 Dec 2009 08:16:59 GMT

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Confirmed, using Ubuntu Server 8.04 LTS, kernel 2.6.24-25-openvz. Thanks lours!

Subject: Re: [Solved] Re: CT: failed to start with err=-12
Posted by [bainonline](#) on Thu, 11 Feb 2010 10:53:20 GMT

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Hi i am stuck with the same problem

However i don't understand your solution...

Did you recompile the kernel with the above configuration you posted?

Subject: Re: [Solved] Re: CT: failed to start with err=-12
Posted by [lours](#) on Thu, 11 Feb 2010 19:01:00 GMT

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Yes you have to rebuild the kernel

I used the instructions from :

<https://help.ubuntu.com/community/Kernel/Compile>

Look at the section

"Modify the source for your needs"

The modification have to be made in :

/usr/src/linux-2.6.24/debian/binary-custom.d/openvz/config.a md64 (or i386)
