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 util	LowMem commit	LowMem util	RAM util	RAM commit	MemSwap util	MemSwap commit	Alloc 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 attachement the trace log

#strace -fv vzctl start 150

Please can't someone tail me what a miss

Thanks

File Attachments

1) trace.log, downloaded 493 times
2) ve-split150.conf-sample, downloaded 509 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 verion 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 undrestand 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)