
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	MemSwap commit	MemSwap util	MemSwap commit	MemSwap limit	Alloc	Alloc	Alloc
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 267 times
- 2) [ve-split150.conf-sample](#), downloaded 277 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_contrack 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)`
