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Subject: mysqld not running in all CT's  
Posted by [plotinus](#) on Sat, 12 Nov 2011 10:13:03 GMT  
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Hello all,  
I'm running openVZ on CentOS 5.7  
uname -r  
2.6.18-274.3.1.el5.028stab094.3

When I create new containers using a customized fedora v15 template, everything works ok.  
But when I have a certain number of CT's running, mysqld can't start for the last started CT's. If I stop some containers then I can start mysqld and it works.

I enter in a container and see:

[root]# tail -100 /var/logs/mysqld.log

```
111112 10:22:50 mysqld_safe Starting mysqld daemon with databases from /var/lib/mysql
111112 10:22:50 [Note] Plugin 'FEDERATED' is disabled.
111112 10:22:50 InnoDB: The InnoDB memory heap is disabled
111112 10:22:50 InnoDB: Mutexes and rw_locks use GCC atomic builtins
111112 10:22:50 InnoDB: Compressed tables use zlib 1.2.5
111112 10:22:50 InnoDB: Using Linux native AIO
111112 10:22:50 InnoDB: Warning: io_setup() failed with EAGAIN. Will make 5 attempts before
giving up.
InnoDB: Warning: io_setup() attempt 1 failed.
InnoDB: Warning: io_setup() attempt 2 failed.
InnoDB: Warning: io_setup() attempt 3 failed.
InnoDB: Warning: io_setup() attempt 4 failed.
InnoDB: Warning: io_setup() attempt 5 failed.
111112 10:22:52 InnoDB: Error: io_setup() failed with EAGAIN after 5 attempts.
InnoDB: You can disable Linux Native AIO by setting innodb_native_aio = off in my.cnf
111112 10:22:52 InnoDB: Initializing buffer pool, size = 128.0M
111112 10:22:52 InnoDB: Completed initialization of buffer pool
111112 10:22:52 - mysqld got signal 11 ;
This could be because you hit a bug. It is also possible that this binary
or one of the libraries it was linked against is corrupt, improperly built,
or misconfigured. This error can also be caused by malfunctioning hardware.
We will try our best to scrape up some info that will hopefully help diagnose
the problem, but since we have already crashed, something is definitely wrong
and this may fail.
```

```
key_buffer_size=8388608
read_buffer_size=131072
max_used_connections=0
max_threads=151
thread_count=0
connection_count=0
```

It is possible that mysqld could use up to

$\text{key\_buffer\_size} + (\text{read\_buffer\_size} + \text{sort\_buffer\_size}) * \text{max\_threads} = 337868 \text{ K}$   
bytes of memory

Hope that's ok; if not, decrease some variables in the equation.

Thread pointer: 0x0

Attempting backtrace. You can use the following information to find out where mysqld died. If you see no messages after this, something went terribly wrong...

111112 10:22:52 mysqld\_safe mysqld from pid file /var/run/mysqld/mysqld.pid ended

I get also this error:

111112 10:58:31 mysqld\_safe Starting mysqld daemon with databases from /var/lib/mysql

111112 10:58:31 [Note] Plugin 'FEDERATED' is disabled.

111112 10:58:31 InnoDB: The InnoDB memory heap is disabled

111112 10:58:31 InnoDB: Mutexes and rw\_locks use GCC atomic builtins

111112 10:58:31 InnoDB: Compressed tables use zlib 1.2.5

111112 10:58:31 InnoDB: Using Linux native AIO

111112 10:58:31 InnoDB: Warning: io\_setup() failed with EAGAIN. Will make 5 attempts before giving up.

InnoDB: Warning: io\_setup() attempt 1 failed.

InnoDB: Warning: io\_setup() attempt 2 failed.

InnoDB: Warning: io\_setup() attempt 3 failed.

InnoDB: Warning: io\_setup() attempt 4 failed.

InnoDB: Warning: io\_setup() attempt 5 failed.

111112 10:58:34 InnoDB: Error: io\_setup() failed with EAGAIN after 5 attempts.

InnoDB: You can disable Linux Native AIO by setting innodb\_native\_aio = off in my.cnf

111112 10:58:34 InnoDB: Initializing buffer pool, size = 128.0M

111112 10:58:34 InnoDB: Completed initialization of buffer pool

111112 10:58:34 - mysqld got signal 11 ;

This could be because you hit a bug. It is also possible that this binary or one of the libraries it was linked against is corrupt, improperly built, or misconfigured. This error can also be caused by malfunctioning hardware.

111112 10:58:34 mysqld\_safe mysqld from pid file /var/run/mysqld/mysqld.pid ended

Here is the /etc/my.cnf file of a container:

[mysqld]

datadir=/var/lib/mysql

socket=/var/lib/mysql/mysql.sock

user=mysql

# Disabling symbolic-links is recommended to prevent assorted security risks

symbolic-links=0

[mysqld\_safe]

log-error=/var/log/mysqld.log

pid-file=/var/run/mysqld/mysqld.pid

Here are the UBC:

[root]# cat /proc/user\_beancounters

Version: 2.5

uid	resource	held	maxheld	barrier	limit	failcnt
113:	kmemsize	2526590	3377739	168442484		185286732

0	lockedpages	0	0	8224	8224	0
0	privvmpages	11502	78323	1381448	1519592	
0	shmpages	128	128	138144	138144	
0	dummy	0	0	0	0	0
	numproc	14	28	4112	4112	0
	physpages	4268	10532	0	9223372036854775807	
0	vmguarpages	0	0	1381448	9223372036854775807	
0	oomguarpages	4268	10532	1381448	9223372036854775807	
0	numtcpsock	4	4	4112	4112	0
	numflock	4	5	1000	1100	0
	numpty	1	1	411	411	0
	numsiginfo	0	4	1024	1024	0
0	tcpsndbuf	70016	70016	39304742	56147494	
0	tcprcvbuf	65536	65536	39304742	56147494	
0	othersockbuf	2328	12200	19652371	36495123	
0	dgramrcvbuf	0	8472	19652371	19652371	
0	numothersock	2	5	4112	4112	0
0	dcachesize	231933	255408	36792419	37896192	
	numfile	519	778	65792	65792	0
	dummy	0	0	0	0	0
	dummy	0	0	0	0	0
	dummy	0	0	0	0	0
	numiptent	24	24	100	100	0

SELINUX is disabled on the hn.

I've found the fantstic vzsplint and used it for partitioning the resources, but the problem still persists.

How do you solve it?

I'm reading some articles but I don't identify where lies the problem.

Please can anyone help?

Thanks in advance!!!

P