
Subject: strange issue with mysql crashing in openvz
Posted by [catam](#) on Thu, 10 May 2007 18:10:28 GMT
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Hi all

my setup:

```
# uname -a
```

```
Linux localhost 2.6.18-8.el5.028stab031.1 #1 SMP Fri Apr 27  
20:08:01 MSD 2007 x86_64 Intel(R) Xeon(TM) CPU 3.00GHz GenuineIntel  
GNU/Linux
```

I have a amd64 gentoo template where I installed mysql
gcc-4.1.1, glibc-2.5-r2, 2.6.18-8.el5.028stab031.1 x86_64

```
[ebuild R ] dev-db/mysql-5.0.38 USE="berkdb perl ssl -big-tables  
-cluster -debug -embedded -extraengine -latin1 -max-idx-128 -minimal  
(-selinux) -static" 0 kB
```

and when I start mysqld and stop while innodb is active , at next
start mysqld will crash:

snip from /var/log/mysql/mysqld.err

FIRST START:

```
070510 12:31:55 InnoDB: Setting file ./ibdata1 size to 10 MB
```

```
InnoDB: Database physically writes the file full: wait...
```

```
070510 12:31:56 InnoDB: Log file ./ib_logfile0 did not exist: new to be  
created
```

```
InnoDB: Setting log file ./ib_logfile0 size to 5 MB
```

```
InnoDB: Database physically writes the file full: wait...
```

```
070510 12:31:56 InnoDB: Log file ./ib_logfile1 did not exist: new to be  
created
```

```
InnoDB: Setting log file ./ib_logfile1 size to 5 MB
```

```
InnoDB: Database physically writes the file full: wait...
```

```
InnoDB: Doublewrite buffer not found: creating new
```

```
InnoDB: Doublewrite buffer created
```

```
InnoDB: Creating foreign key constraint system tables
```

```
InnoDB: Foreign key constraint system tables created
```

```
070510 12:31:56 InnoDB: Started; log sequence number 0 0
```

```
070510 12:31:56 [Note] /usr/sbin/mysqld: ready for connections.
```

```
Version: '5.0.38-log' socket: '/var/run/mysql/mysqld.sock' port: 3306
```

```
Gentoo Linux mysql-5.0.38
```

```
070510 12:32:09 [Note] /usr/sbin/mysqld: Normal shutdown
```

STOP:

```
070510 12:32:09 InnoDB: Starting shutdown...
```

```
070510 12:32:10 InnoDB: Shutdown completed; log sequence number 0 43655
```

```
070510 12:32:10 [Note] /usr/sbin/mysqld: Shutdown complete
```

2ND START:

070510 12:49:46 [Warning] No argument was provided to --log-bin, and --log-bin-index was not used; so replication may break when this MySQL server acts as a master and has his hostname changed!! Please use '--log-bin=/var/run/mysqld/mysqld-bin' to avoid this problem.

070510 12:49:46 - mysqld got signal 4;

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.
CRASH!

If I set skip-innodb.. will work fine

no failed beans:

```
rtg-db-vps / # grep -v ' 0$' /proc/user_beancounters
```

Version: 2.5

uid	resource	held	maxheld
barrier	limit	failcnt	

no issue with quota:

```
# vzquota stat 102
```

resource	usage	softlimit	hardlimit	grace
1k-blocks	536692	104857600	104857600	
inodes	42462	6000000	6000000	

Any hints?

catam

PS: Please CC me on replies I am not subscribed

Subject: Re: strange issue with mysql crashing in openvz

Posted by [catam](#) on Sat, 12 May 2007 13:10:57 GMT

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Seems I have found the issue , was CFLAGS

```
/proc/cpuinfo =>
processor      : 0
vendor_id    : GenuineIntel
cpu family   : 15
model        : 4
model name   : Intel(R) Xeon(TM) CPU 3.00GHz
```

```
you need
CFLAGS="-march=nocona -O2 -pipe -fomit-frame-pointer"
I had
CFLAGS="-march=k8 -O2 -pipe"
```

catam

Subject: Re: Re: strange issue with mysql crashing in openvz
Posted by [Gregor Mosheh](#) on Sat, 12 May 2007 15:21:03 GMT
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Catam:
Where did you dig that up, and do you know why it's the case? Is this something about OpenVZ in particular, or Xeons in particular, ... ?

```
catam wrote:
> Seems I have found the issue , was CFLAGS
> /proc/cpuinfo =>
> processor      : 0
> vendor_id     : GenuineIntel
> cpu family    : 15
> model         : 4
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```

Subject: Re: Re: strange issue with mysql crashing in openvz
Posted by [Martin Hudec](#) on Sat, 12 May 2007 17:52:09 GMT
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```
catam wrote:
> Seems I have found the issue , was CFLAGS
>
> /proc/cpuinfo =>
> processor      : 0
```

```
> vendor_id      : GenuineIntel
> cpu family     : 15
> model         : 4
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>
> you need
> CFLAGS="-march=nocona -O2 -pipe -fomit-frame-pointer"
> I had
> CFLAGS="-march=k8 -O2 -pipe"
```

I would leave that `-fomit-frame-pointer` out, it can go against debugging activities (stack tracing etc.). Simple `-O2` and `-pipe` should be mostly enough.

Martin
