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Subject: A very strange behaviour with MySQL (InnoDB) and feoktistov Kernel on Gentoo

Posted by [manuuu](#) on Fri, 18 Mar 2011 14:57:45 GMT

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Hello everybody,

I have a very strange behaviour on one of my VPS with that kernel (I didn't tried the previous one because of an NFS issue that completely freeze my system).

When I create a database with Innodb the server crashes, same when I execute mysqltuner and I have innodb tables :

```
110318 20:20:30 InnoDB: Assertion failure in thread 140308909500176 in file fil/fil0fil.c line 635
```

```
InnoDB: Failing assertion: ret
```

```
InnoDB: We intentionally generate a memory trap.
```

```
InnoDB: Submit a detailed bug report to http://bugs.mysql.com.
```

```
InnoDB: If you get repeated assertion failures or crashes, even
```

```
InnoDB: immediately after the mysqld startup, there may be
```

```
InnoDB: corruption in the InnoDB tablespace. Please refer to
```

```
InnoDB: http://dev.mysql.com/doc/refman/5.1/en/forcing-recovery.html
```

```
InnoDB: about forcing recovery.
```

```
110318 20:20:30 - mysqld got signal 6 ;
```

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=16777216
```

```
read_buffer_size=262144
```

```
max_used_connections=4
```

```
max_threads=151
```

```
threads_connected=2
```

It is possible that mysqld could use up to

```
key_buffer_size + (read_buffer_size + sort_buffer_size)*max_threads = 133904 K
```

bytes of memory

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

```
thd: 0x14605b0
```

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...

```
stack_bottom = 0x7f9c36b59e88 thread_stack 0x40000
```

Let see the resources after the crash :

cat /proc/bc/230/resources

```
kmemsize      3127245      6561530      23372700     147901640000000
0
lockedpages   0             0             256           256           0
privvmpages   24021        71909        384000       384000
0
shmpages      1            657          2150400      21504000
0
numproc       28           56           2400         3400000000   0
physpages     3103        26819        0 9223372036854775807
0
vmguarpages   0            0            33792 9223372036854775807
0
oomguarpages  3103        26819        261120 9223372036854775807
0
numtcpsock    6            13           360          360           0
numflock      3            188          188          206           2
numpty        0            2            16           16            0
numsigninfo   0            6            256          256           0
tcpsndbuf     104640      1502152      1720320      2703360
0
tcprcvbuf     98304       216096       1720320      2703360
0
othersockbuf  136408      156392       1126080      2097152
0
dgramrcvbuf   0            4360         262144       262144        0
numothersock  105         118          360          360           0
dcachesize    191310     673923       3409920      3624960
0
numfile       590         1507         9312         9312          0
numiptent     27          27           128          128           0
swappages     0            0            223727       283727        0
```

I tried many MySQL configurations options, as well as different MySQL versions... It happens for a CentOS guest and a Gentoo guest. I checked /proc/user\_beancounters and I have sometimes very strange values (fails on tcpsndbuf or numflock by 1 or 3).

I had some problems with Apache (I don't remember the messages but APC was not working for PHP And I had something like "couldn't fork")as well on other VPS and I had to increase the RAM to 2GB even it never spend more than 600Mb.

I have something strange with the memory management.

Thanks for you help