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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 mysqltunner 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

$\text{key\_buffer\_size} + (\text{read\_buffer\_size} + \text{sort\_buffer\_size}) * \text{max\_threads} = 133904 \text{ K}$   
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          1479016400000000
    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
    numsiginfo          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