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
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
        physspages                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