

# UBUNTU AND RECENT PROBLEMS RELATED TO PHP

Recently I run into small problems related to PHP.

## **Problem A - sqlite.so**

First one was PHP warning:

```
PHP Warning: PHP Startup: Unable to load dynamic library '/usr/lib/php5/20090626/sqlite.so' -  
/usr/lib/php5/20090626/sqlite.so: cannot open shared object file: No such file or directory in  
Unknown on line 0
```

PHP tried to load *sqlite.so* from */etc/php5/conf.d/sqlite.ini* (*php5-sqlite* package).

```
$ dpkg -L php5-sqlite  
  
/  
  
/etc  
  
/etc/php5  
  
/etc/php5/conf.d  
  
/etc/php5/conf.d/sqlite3.ini  
  
/etc/php5/conf.d/pdo_sqlite.ini  
  
/etc/php5/conf.d/sqlite.ini  
  
/usr  
  
/usr/share  
  
/usr/share/doc
```

```
/usr/lib
```

```
/usr/lib/php5
```

```
/usr/lib/php5/20090626
```

```
/usr/lib/php5/20090626/pdo_sqlite.so
```

```
/usr/lib/php5/20090626/sqlite3.so
```

```
/usr/share/doc/php5-sqlite
```

As suspected there was *sqlite3.so* file.

```
$ ls /usr/lib/php5/20090626/
```

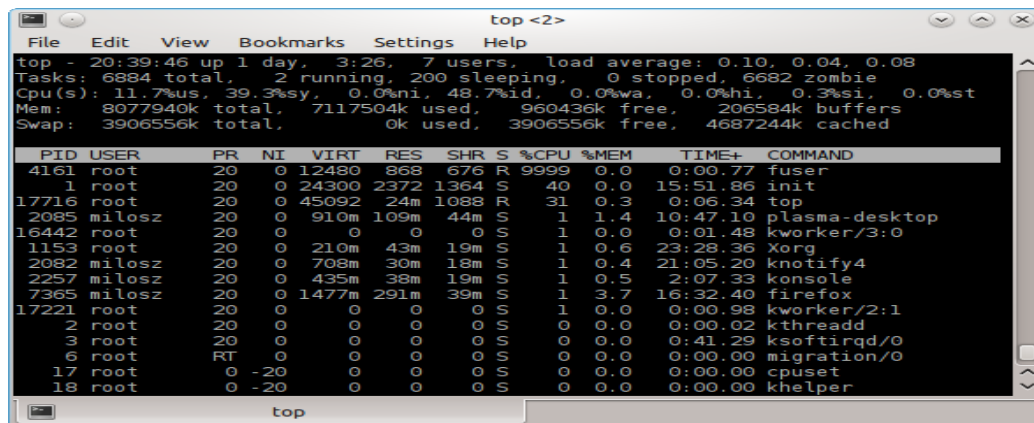
```
curl.so gd.so mysqli.so mysql.so pdo_mysql.so pdo.so pdo_sqlite.so sqlite3.so
```

To solve this problem just delete */etc/php5/conf.d/sqlite.ini* file.

```
$ sudo rm /etc/php5/conf.d/sqlite.ini
```

## Problem B - fuser process

Second problem was more serious. Thousands of *fuser* zombie processes and funny CPU usage.



```
top <2>
File Edit View Bookmarks Settings Help
top - 20:39:46 up 1 day, 3:26, 7 users, load average: 0.10, 0.04, 0.08
Tasks: 6884 total, 2 running, 200 sleeping, 0 stopped, 6682 zombie
Cpu(s): 11.7%us, 39.3%sy, 0.0%ni, 48.7%id, 0.0%wa, 0.0%hi, 0.3%si, 0.0%st
Mem: 8077940k total, 7117504k used, 960436k free, 206584k buffers
Swap: 3906556k total, 0k used, 3906556k free, 4687244k cached

  PID USER      PR  NI  VIRT  RES  SHR  S  %CPU  %MEM    TIME+  COMMAND
 4161 root        20   0 12480   868   676  R  99.9   0.0   0:00.77 fuser
    1 root        20   0 24300  2372  1364  S   0.0   0.0  15:51.86 init
 17716 root        20   0 45092   244  1088  R   3.1   0.3   0:06.34 top
 2085 milosz    20   0  910m  109m  44m  S   1.4  10.4  10:47.10 plasma-desktop
 16442 root        20   0     0     0     0  S   1.0   0.0   0:01.48 kworker/3:0
 1153 root        20   0  210m  43m  19m  S   1.0   0.6  23:28.36 Xorg
 2082 milosz    20   0  708m  30m  18m  S   1.0   0.4  21:05.20 knotify4
 2257 milosz    20   0  435m  38m  19m  S   1.0   0.5   2:07.33 konsole
 7365 milosz    20   0 1477m 291m  39m  S   1.3  3.7  16:32.40 firefox
 17221 root        20   0     0     0     0  S   1.0   0.0   0:00.98 kworker/2:1
    2 root        20   0     0     0     0  S   0.0   0.0   0:00.02 kthreadd
    3 root        20   0     0     0     0  S   0.0   0.0   0:00.00 ksoftirqd/0
    6 root        RT  0     0     0     0  S   0.0   0.0   0:00.00 migration/0
   17 root        0 -20     0     0     0  S   0.0   0.0   0:00.00 cpuset
   18 root        0 -20     0     0     0  S   0.0   0.0   0:00.00 khelper
```

Hopefully there is a bug report #876387 so for solution look at fourth comment.

Don't forget to identify and kill already running *find* processes.

In short this problem can be quickly recognized by thousands of *fuser* zombie processes:

```
$ ps ax | awk '{if ($3=="Z" && $5~/fuser/) s++;} END {print s}'
```

```
21613
```

It was created by php cron job */etc/cron.d/php5* (*php5-common* package):

```
$ dpkg -S /etc/cron.d/php5
```

```
php5-common: /etc/cron.d/php5
```

Source of this problem in */etc/cron.d/php5* file:

```
09,39 * * * * root [ -x /usr/lib/php5/maxlifetime ] && [ -d /var/lib/php5 ] && find /var/lib/php5/  
-depth -mindepth 1 -maxdepth 1 -type f -cmin +$(/usr/lib/php5/maxlifetime) ! -execdir fuser -s  
{ } 2>/dev/null \; -delete
```

To solve it replace this line with one given below:

```
09,39 * * * * root [ -x /usr/lib/php5/maxlifetime ] && [ -d /var/lib/php5 ] && find /var/lib/php5/  
-depth -mindepth 1 -maxdepth 1 -type f -cmin +$(/usr/lib/php5/maxlifetime) -delete
```

Don't forget to kill running *find* processes:

```
# ps ax | grep "find /var/lib/php" | grep fuser | awk '{print $1}' | xargs kill
```

Source: <https://blog.sleeplessbeastie.eu/2012/02/24/ubuntu-and-recent-problems-related-to-php/>