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MySQL error 28 and solution

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Q. I am getting an error that read as follows:

MySQL: got error 28 from server handler

How do I fix this problem?

A. This error means no space left on hard disk. According to official MySQL docs [2], "If you get his error, you need to check all filesystems where MySQL operates. It may be single filesystem or as we recommend you can have datadir, tmpdir and log files split into dedicated filesystems."

Solution

a) Stop mysql server

```
# /etc/init.d/mysql stop
```

OR

```
# /etc/init.d/mysqld stop
```

b) Check filesystem and /tmp directories:

```
$ df -h
$ cd /tmp
$ df -h /tmp
```

c) Remove files from /tmp to free up space:

```
# cd /tmp
# rm -rf *
```

d) Look into /var/log directory and remove or compress logs file.

e) Use myisamchk command to check and repair of ISAM table:

```
# cd /var/lib/mysql
# myisamchk
```

f) Increase disk space (add new hard disk or remove unwanted software(s) [3])

g) Start the mysql server:

```
# /etc/init.d/mysql start
```

OR

```
# /etc/init.d/mysqld start
```

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URLs in this post:

[1] Image: **http://www.cyberciti.biz/faq/faq/category/mysql/**
[2] official MySQL docs: **http://www.mysql.com/news-and-events/newsletter/2003-10/a0000000249.html**
[3] remove unwanted software(s): **http://www.cyberciti.biz/tips/debian-linux-remove-unwanted-packages-and-files-to-reclaim-disk-space.html**