Fix MySQL connection error - Host '' is blocked because of many connection errors; unblock with 'mysqladmin flush-hosts'

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If you get a MySQL error like:

> **Host '' is blocked because of many connection errors; unblock with 'mysqladmin flush-hosts'**

This most likely means your **PHP / Java** whatever programming language application connecting to MySQL is **failing to authenticate with the application created (existing)** or that the **application is trying too many connections to MySQL in a rate where MySQL server can't serve all the requests.**

Some *common errors for Too many Connection errors* are:

- **Networking Problem**
- **Server itself could be down**
- **Authentication Problems**
- **Maximum Connection Errors allowed.**

The value of the **max_connection_errors** *system variable* determines **how many successive interrupted connection requests are permitted to myqsl server.**

Well anyways if you get the:

> **Host '' is blocked because of many connection errors; unblock with 'mysqladmin flush-hosts'**

You can consider this a sure sign *application connections to MySQLis logging a lot of error connections*, for some reason.
This error could also appear on very busy websites where high amount of separete connections are used - I've seen the error occur on **PHP websites** whether **mysql_pconnect();** is selected in favour of the prooved working **mysql_connect();**

The first thing to do before changing / **increasing default set of max connection errors** is to **check how many max connection errors are set within MySQL?**

For that connect with MySQL CLI and issue:

mysql> **SHOW VARIABLES LIKE '%error%';**

```
+-------------------+-----------------------------------------------------------+
| Variable_name     | Value                                                     |
+-------------------+-----------------------------------------------------------+
| error_count       | 0                                                         |
| log_error         | /var/log/mysql//mysqld.log                                |
| max_connect_errors | 10000                                                    |
| max_error_count   | 64                                                        |
| slave_skip_errors | OFF                                                       |
+-------------------+-----------------------------------------------------------+
```

A very *useful mysql cli command in debugging max connection errors reached problem* is

mysql> SHOW PROCESSLIST;

To solve the error, try to tune in **/etc/my.cnf**, **/etc/mysql/my.cnf** or wherever **my.cnf** is located:

[mysqld]
max_connect_errors variable

and

wait_timeout var. Some reasonable variable size would be:

max_connect_errors = 100000
wait_timeout = 60

If such (anyways) high values is still not high enough you can raise mysql config connection timeout

to

max_connect_errors = 100000000

Also if you want to try raise max_connect_errors var without making it permanenty (i.e. remember var setting after MySQL service restart), set it from MySQL cli with:

SET GLOBAL max_connect_errors

If you want to keep the set default max_connection_errors and fix it temporary, you can try to follow the error

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suggestion and issue in root console:

mysqladmin flush-hosts

Same could also be done from MySQL Cli with cmd:

FLUSH HOSTS;

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FLUSH HOSTS;