

MySQL Connection 가 214 3
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MySQL Connection 가 214

mysql

```
mysql> show variables like 'max_connections';
+-----+-----+
| Variable_name | Value |
+-----+-----+
| max_connections | 214 |
+-----+-----+
```

max_connections

, DB

online

```
mysql> set global max_connections=500;
```

online

가

my.cnf

```
[mysqld]
max_connections = 500
```

```
mysql> show variables like 'max_connections';
+-----+-----+
| Variable_name | Value |
+-----+-----+
| max_connections | 214 |
+-----+-----+
```

214

! connection 가

mysql

file descriptor

mysql

mysql

nofiles

```
mysql> show variables like 'open_files_limit';
+-----+-----+
| Variable_name | Value |
+-----+-----+
```

```
| open_files_limit | 1024 |
+-----+-----+
```

가 .

connection file descriptor wanted_files = 10 +
max_connections + table_cache_size * 2
https://dev.mysql.com/doc/refman/8.0/en/server-system-variables.html#sysvar_open_files_limit

```
mysql> show variables like 'table_open_cache';
+-----+-----+
| Variable_name | Value |
+-----+-----+
| table_open_cache | 400 |
+-----+-----+
```

$$1024 = 10 + 214 + 400 * 2$$

!

! online , variable max_connections max
가 . 가
(max_connections Too many connections 가
file descriptor 가 Too many connections
가 . file open Too many open files. 가
, 가 .)
open_files_limit . OS File descriptor .

```
$ ulimit -a
$ ulimit -aH

$ ulimit -Sn
$ ulimit -Hn
```

soft, hard .

/etc/security/limits.conf . mysql *()
nofile .

```
* soft nofile 65536
* hard nofile 65536
```

mysql .

가 , Mysql systemd 가

```

가      /lib/systemd/system/mysql.service      가      override
      /lib/systemd/system/mysql.service.d
가      .

```

```
$ vi /lib/systemd/system/mysql.service.d/limit_nofile.conf
```

```

descriptor      3000      connection      3810      .      4000
.

```

```

[Service]
LimitNOFILE=4000

```

```
reload
```

```

$ systemctl daemon-reload
$ systemctl mysql restart

```

- <https://5mango.com/mysql-max-connections-stuck-on-214/>
- https://codepoets.co.uk/2015/mysql-max_connections-stuck-on-214
- <http://woowabros.github.io/experience/2018/04/17/linux-maxuserprocess-openfiles.html>
- https://dev.mysql.com/doc/refman/5.5/en/server-options.html#option_mysql_open_files_limit
- https://dev.mysql.com/doc/refman/5.5/en/server-system-variables.html#sysvar_open_files_limit
- <https://support.plesk.com/hc/en-us/articles/213393029-MySQL-values-open-files-limit-and-max-connections-are-not-applied>

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