Last
update:
2021/07/21
07:45

mysql_connection_
_214   _   https://atl.kr/dokuwiki/doku.php/mysql_connection_%EC%88%98%EA%B0%80_214%EA%B0%9C%EB%A1%9C_%EA%B3%A0%EC%A0%95%EB%90%98%EB%8A%94_%EB%AC%B8%EC%A0%9C

MySQL Connection 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   .   my.cnf
                         .

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

                                   .

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

214   ! connection   .

        mysql   file descriptor   .
mysql   .   mysql
nofiles   .

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

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

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
                                        .
(max_connections   Too many connections
    file descriptor   Too many connections
                    . file open   Too many open files.
    ,   .)

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   .

                                , Mysql   systemd
    .

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

```
$ 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_mysqld_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