

Too Many Connections

When your Moodle database is overloaded you might see errors like this (MySQL/MariaDB) in your PHP error log and a similar message in your MySQL/MariaDB log.

```
mysqli::mysqli(): (HY000/1040): Too many connections in
/lib/dml/mysqli_native_moodle_database.php on line 376mysqli::mysqli(): (08004/1040): Too many
connections in /lib/dml/mysqli_native_moodle_database.php on line 376
```

This indicates you have reached your `max_connections` settings.

Check in MySQL with an appropriately privileged account e.g. `root`.

```
mysql> SELECT @@max_connections;
+-----+
| @@max_connections |
+-----+
|                200 |
+-----+
```

Also check how many are in use using:

```
mysql> SHOW STATUS LIKE 'max_used_connections';
+-----+-----+
| Variable_name      | Value |
+-----+-----+
| Max_used_connections | 16    |
+-----+-----+
```

This defined in your `my.cnf` configuration e.g. under `/etc/my.cnf` though it may not be set and you may need to add it as a setting.

```
[mysqld]
max_connections          = 200
```

NOTE: you can set this in the mysql client while it is online if you don't want to do a DB restart e.g.
`SET GLOBAL max_connections = 200;` but but aware this will be cleared next restart so make sure you also
update `my.cnf` .

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