

MySQL

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Linux auto-login on MySQL

Create file `~/.my.cnf` and add the following lines, replace mysqluser and mysqlpass values with the correct ones

```
[client]
user=mysqluser
password="mysqlpass"
```

For safety, make this file readable to you only by running `chmod 0600 ~/.my.cnf`

Next time you run mysql commands mysql, mysqlcheck, mysqldump, etc; they will pick username & password from this file if you do not provide them as argument (-u and -p). It can save your time.

Of-course, if you specify username and password explicitly as part of commands arguments, they will be used.

<https://easyengine.io/tutorials/mysql/mycnf-preference/>

Encoding and collation

Changing database encoding and collation

```
ALTER DATABASE `sua_base` CHARSET = Latin1 COLLATE = latin1_swedish_ci;
```

<https://pt.stackoverflow.com/questions/72139/qual-codificação-de-caracteres-collation-devo-usar-em-mysql>

Exporting data

To export structure only, use this option on mysqldump:

```
mysqldump [...] --no-data
```

To export command result to csv file format:

```
SELECT order_id,product_name,qty  
FROM orders  
WHERE foo = 'bar'  
INTO OUTFILE '/var/lib/mysql-files/orders.csv'  
FIELDS TERMINATED BY ','  
ENCLOSED BY ''''  
LINES TERMINATED BY '\n';
```

Useful commands

Show status

```
show table status;
```

Purging MySQL Binlog files

To show binary logs

```
mysql> SHOW BINARY LOGS;
```

To Purge binary logs manually until some point

```
mysql> PURGE BINARY LOGS TO 'binlog.000776';
```

To show binary logs

```
mysql> SET GLOBAL binlog_expire_logs_seconds = 259200;
```

```
Query OK, 0 rows affected (0.00 sec)
```

```
mysql> SET PERSIST binlog_expire_logs_seconds = 259200;
```

```
Query OK, 0 rows affected (0.01 sec)
```

<https://askubuntu.com/questions/1322041/how-to-solve-increasing-size-of-mysql-binlog-files-problem>

<https://dev.mysql.com/doc/refman/8.0/en/replication-options-binary-log.html>

Security

Iptables configuration to allow specific host connection to mysql:

```
iptables -A INPUT -i eth0 -p tcp -m tcp --dport 3306 -s IP.ADD.RE.SS -j ACCEPT
```