# Test MYSQL server perofrmance with sysbench

this is only to get you started, i am not an expert on sysbench but wanted to get a quick and dirty benchmark run in to compare basic performance between an old and a new server i had at hand.

## perpare the database

first lets create a user and database for our tests, just to make sure we don't accidently overwrite or delete anything important :)

start a mysql client as root or otherwise privileged user where you can create new users and db's. for example on the linux cli like this:

```
mysql -h <dbhost> -u root -p
```

now add a user and database and grant full control over the database to the user:

```
CREATE DATABASE sysbench;
# for versions 5.7 or newer:
#CREATE USER 'sysbench'@'localhost' IDENTIFIED WITH mysql_native_password BY
'MySYSBENCHsecret';
# for 5.6 or older versions
CREATE USER 'sysbench'@'%' IDENTIFIED BY 'MySYSBENCHsecret';
GRANT ALL PRIVILEGES ON sysbench.* TO 'sysbench'@'%';
FLUSH PRIVILEGES;
```

leave the mysql prompt and install sysbench:

```
apt-get install sysbench
```

preare everything for a read/write benchmark:

```
sysbench --mysql-host=localhost --mysql-user=sysbench --mysql-
password=MySYSBENCHsecret --mysql-db=sysbench oltp_read_write prepare
```

and finally run the benchmark:

```
sysbench --mysql-host=localhost --mysql-user=sysbench --mysql-
password=MySYSBENCHsecret --mysql-db=sysbench oltp_read_write run
```

when you're done, clean up! login again with your mysql root account, then delete our user and database:

```
DROP USER 'sysbench'@'%';
```

```
DROP DATABASE sysbench;
FLUSH PRIVILEGES;
```

```
DROP DATABASE sysbench;
FLUSH PRIVILEGES;
```