

Test MYSQL server performance 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.

prepare the database

first lets create a user and database for our tests, just to make sure we don't accidentally 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. either from the package manager:

```
apt-get install sysbench
```

or from source:

```
apt-get install make automake libtool pkg-config libaio-dev libmysqlclient-  
dev libssl-dev  
mkdir -p ~/tmp/sysbench  
cd ~/tmp/sysbench  
wget https://github.com/akopytov/sysbench/archive/refs/tags/1.0.20.tar.gz  
tar xvf 1.0.20.tar.gz sysbench-1.0.20/  
cd sysbench-1.0.20/  
./autogen.sh  
./configure  
make -j
```

optionally install it on the system with `make install` if you want to.. or just run it from

~/tmp/sysbench/sysbench-1.0.20/src/sysbench

prepare 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;
```

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