

mysql Test with sysbench

```
root@keket:~# apt-get install sysbench
Reading package lists... Done
Building dependency tree
Reading state information... Done
The following NEW packages will be installed:
  sysbench
0 upgraded, 1 newly installed, 0 to remove and 22 not upgraded.
Need to get 56.7 kB of archives.
After this operation, 170 kB of additional disk space will be used.
Get:1 http://kambing.ui.ac.id/ubuntu/ trusty/universe sysbench amd64
0.4.12-1.1 [56.7 kB]
Fetched 56.7 kB in 0s (131 kB/s)
Selecting previously unselected package sysbench.
(Reading database ... 159273 files and directories currently installed.)
Preparing to unpack .../sysbench_0.4.12-1.1_amd64.deb ...
Unpacking sysbench (0.4.12-1.1) ...
Processing triggers for man-db (2.6.7.1-1ubuntu1) ...
Setting up sysbench (0.4.12-1.1) ...
root@keket:~# mysql -u root -p
Enter password:
Welcome to the MySQL monitor.  Commands end with ; or \g.
Your MySQL connection id is 551
Server version: 5.5.49-0ubuntu0.14.04.1-log (Ubuntu)

Copyright (c) 2000, 2016, Oracle and/or its affiliates. All rights reserved.

Oracle is a registered trademark of Oracle Corporation and/or its
affiliates. Other names may be trademarks of their respective
owners.

Type 'help;' or '\h' for help. Type '\c' to clear the current input
statement.

mysql> show databases;
+-----+
| Database                |
+-----+
| information_schema      |
| keket                   |
| keket_web                |
| kucinglucu              |
| mysql                   |
| ora                     |
| paradisea               |
| performance_schema     |
| puskomedia_id           |
| tukangtamanjakarta     |
+-----+
```

```
+-----+
10 rows in set (0.01 sec)

mysql> create database test;
Query OK, 1 row affected (0.00 sec)

mysql> quit;
Bye
root@keket:~# sysbench --test=oltp --oltp-table-size=1000000 --mysql-
db=test --mysql-user=root --mysql-password=hahahaah prepare
sysbench 0.4.12: multi-threaded system evaluation benchmark

No DB drivers specified, using mysql
Creating table 'sbtest'...
Creating 1000000 records in table 'sbtest'...
root@keket:~# sysbench --test=oltp --oltp-table-size=1000000 --mysql-
db=test --mysql-user=root --mysql-password=hahahahaa --max-time=60 --oltp-
read-only=on --max-request=0 --num-threads=8 run
Unknown option: --max-request.
Usage:
  sysbench [general-options]... --test=<test-name> [test-options]... command

General options:
  --num-threads=N           number of threads to use [1]
  --max-requests=N         limit for total number of requests [10000]
  --max-time=N             limit for total execution time in seconds [0]
  --forced-shutdown=STRING amount of time to wait after --max-time before
forcing shutdown [off]
  --thread-stack-size=SIZE size of stack per thread [32K]
  --init-rng=[on|off]     initialize random number generator [off]
  --test=STRING           test to run
  --debug=[on|off]       print more debugging info [off]
  --validate=[on|off]    perform validation checks where possible [off]
  --help=[on|off]       print help and exit
  --version=[on|off]    print version and exit

Compiled-in tests:
fileio - File I/O test
cpu - CPU performance test
memory - Memory functions speed test
threads - Threads subsystem performance test
mutex - Mutex performance test
oltp - OLTP test

Commands: prepare run cleanup help version

See 'sysbench --test=<name> help' for a list of options for each test.

root@keket:~# sysbench --test=oltp --oltp-table-size=1000000 --mysql-
db=test --mysql-user=root --mysql-password=hahahahaha --max-time=60 --oltp-
read-only=on --max-requests=0 --num-threads=8 run
```

sysbench 0.4.12: multi-threaded system evaluation benchmark

No DB drivers specified, using mysql
Running the test with following options:
Number of threads: 8

Doing OLTP test.
Running mixed OLTP test
Doing read-only test
Using Special distribution (12 iterations, 1 pct of values are returned in 75 pct cases)
Using "LOCK TABLES READ" for starting transactions
Using auto_inc on the id column
Threads started!
Time limit exceeded, exiting...
(last message repeated 7 times)
Done.

OLTP test statistics:
queries performed:
 read: 399476
 write: 0
 other: 57068
 total: 456544
transactions: 28534 (475.51 per sec.)
deadlocks: 0 (0.00 per sec.)
read/write requests: 399476 (6657.19 per sec.)
other operations: 57068 (951.03 per sec.)

Test execution summary:
total time: 60.0067s
total number of events: 28534
total time taken by event execution: 479.8726
per-request statistics:
 min: 5.45ms
 avg: 16.82ms
 max: 54.32ms
 approx. 95 percentile: 23.95ms

Threads fairness:
events (avg/stddev): 3566.7500/37.25
execution time (avg/stddev): 59.9841/0.00

root@keket:~#

From:

<https://wiki.samsul.web.id/> - **Samsul Maarif**

Permanent link:

<https://wiki.samsul.web.id/linux/mysql.Test.with.sysbench>

Last update: **2020/12/14 20:13**

