login as: ubuntu

Authenticating with public key "imported-openssh-key"

Welcome to Ubuntu 18.04.1 LTS (GNU/Linux 4.15.0-34-generic x86\_64)

\* Documentation: https://help.ubuntu.com

\* Management: https://landscape.canonical.com

\* Support: https://ubuntu.com/advantage

System information as of Tue Dec 18 17:31:53 UTC 2018

System load: 0.11 Processes: 105

Usage of /: 21.6% of 38.60GB Users logged in: 1

Memory usage: 43% IP address for ens3: 192.168.100.193

Swap usage: 0%

\* Security certifications for Ubuntu!

We now have FIPS, STIG, CC and a CIS Benchmark.

- http://bit.ly/Security\_Certification

\* Want to make a highly secure kiosk, smart display or touchscreen?

Here's a step-by-step tutorial for a rainy weekend, or a startup.

- https://bit.ly/secure-kiosk

Get cloud support with Ubuntu Advantage Cloud Guest:

http://www.ubuntu.com/business/services/cloud

\* Canonical Livepatch is available for installation.

- Reduce system reboots and improve kernel security. Activate at:

https://ubuntu.com/livepatch

93 packages can be updated.

2 updates are security updates.

\*\*\* System restart required \*\*\*

Last login: Fri Dec 14 16:25:00 2018 from 192.168.222.173

ubuntu@x18104053-dsmprojb:~$ su - hduser

Password:

hduser@x18104053-dsmprojb:~$ cd /home/

hduser@x18104053-dsmprojb:/home$ ls

hduser lecuser ubuntu

hduser@x18104053-dsmprojb:/home$ cd /home/hduser/

hduser@x18104053-dsmprojb:~$ ls

hbase hdfs testharness testharness.tgz tmp ycsb-0.11.0 ycsb-0.11.0.tar.gz ycsb-0.15.0 ycsb-0.15.0.tar.gz

hduser@x18104053-dsmprojb:~$ cd /home/hduser/ycsb-0.15.0/

hduser@x18104053-dsmprojb:~/ycsb-0.15.0$ ls

LICENSE.txt asynchbase-binding couchbase2-binding googledatastore-binding ignite-binding memcached-binding rest-binding workloads

NOTICE.txt azuredocumentdb-binding dynamodb-binding hbase098-binding infinispan-binding mongodb-binding riak-binding

accumulo1.6-binding azuretablestorage-binding elasticsearch-binding hbase10-binding jdbc-binding nosqldb-binding rocksdb-binding

accumulo1.7-binding bin elasticsearch5-binding hbase12-binding kudu-binding orientdb-binding s3-binding

accumulo1.8-binding cassandra-binding foundationdb-binding hbase14-binding lib output solr-binding

aerospike-binding cloudspanner-binding geode-binding hbase20-binding maprdb-binding rados-binding solr6-binding

arangodb-binding couchbase-binding googlebigtable-binding hypertable-binding maprjsondb-binding redis-binding tarantool-binding

hduser@x18104053-dsmprojb:~/ycsb-0.15.0$ cd /home/hduser/ycsb-0.15.0/

hduser@x18104053-dsmprojb:~/ycsb-0.15.0$ cd ..

hduser@x18104053-dsmprojb:~$ cd /home/hduser/

hduser@x18104053-dsmprojb:~$ ls

hbase hdfs testharness testharness.tgz tmp ycsb-0.11.0 ycsb-0.11.0.tar.gz ycsb-0.15.0 ycsb-0.15.0.tar.gz

hduser@x18104053-dsmprojb:~$ cd /home/hduser/testharness/

hduser@x18104053-dsmprojb:~/testharness$ ls

opcounts.txt runtest.sh testdbs.txt.save usertableClear.hbase usertableClear.sql

opcounts.txt.save testdbs.txt usertableClear.cql usertableClear.js workloadlist.txt

hduser@x18104053-dsmprojb:~/testharness$ sudo nano workloadlist.txt

[sudo] password for hduser:

hduser@x18104053-dsmprojb:~/testharness$ sudo nano opcounts.txt

hduser@x18104053-dsmprojb:~/testharness$ ./runtest.sh TEST

mkdir: cannot create directory ‘/home/hduser/ycsb-0.15.0/output/TEST’: File exists

DATABASE: hbase14

WORKLOAD: workloada

OPCOUNT: 200000

clear down

hbase14

HBase Shell

Use "help" to get list of supported commands.

Use "exit" to quit this interactive shell.

Version 1.4.8, r91118ce5f10fb4efa03cc8c5a47c7ce97175e85e, Tue Oct 2 11:48:24 PDT 2018

truncate 'usertable'

Truncating 'usertable' table (it may take a while):

- Disabling table...

- Truncating table...

0 row(s) in 8.8090 seconds

Running load phase

hbase14

java -cp /home/hduser/ycsb-0.15.0/hbase14-binding/conf:/home/hduser/ycsb-0.15.0/conf:/home/hduser/ycsb-0.15.0/lib/HdrHistogram-2.1.4.jar:/home/hduser/ycsb-0.15.0/lib/core-0.15.0.jar:/home/hduser/ycsb-0.15.0/lib/jackson-core-asl-1.9.4.jar:/home/hduser/ycsb-0.15.0/lib/jackson-mapper-asl-1.9.4.jar:/home/hduser/ycsb-0.15.0/lib/htrace-core4-4.1.0-incubating.jar:/home/hduser/ycsb-0.15.0/hbase14-binding/lib/findbugs-annotations-1.3.9-1.jar:/home/hduser/ycsb-0.15.0/hbase14-binding/lib/htrace-core-3.1.0-incubating.jar:/home/hduser/ycsb-0.15.0/hbase14-binding/lib/log4j-1.2.17.jar:/home/hduser/ycsb-0.15.0/hbase14-binding/lib/commons-logging-1.2.jar:/home/hduser/ycsb-0.15.0/hbase14-binding/lib/hbase-shaded-client-1.4.2.jar:/home/hduser/ycsb-0.15.0/hbase14-binding/lib/slf4j-api-1.7.25.jar:/home/hduser/ycsb-0.15.0/hbase14-binding/lib/hbase10-binding-0.15.0.jar:/home/hduser/ycsb-0.15.0/hbase14-binding/lib/slf4j-log4j12-1.7.7.jar:/home/hduser/ycsb-0.15.0/hbase14-binding/lib/hbase14-binding-0.15.0.jar com.yahoo.ycsb.Client -db com.yahoo.ycsb.db.hbase14.HBaseClient14 -P /home/hduser/ycsb-0.15.0/workloads/workloada -p table=usertable -p columnfamily=family -p recordcount=200000 -p operationcount=200000 -load

Command line: -db com.yahoo.ycsb.db.hbase14.HBaseClient14 -P /home/hduser/ycsb-0.15.0/workloads/workloada -p table=usertable -p columnfamily=family -p recordcount=200000 -p operationcount=200000 -load

YCSB Client 0.15.0

Loading workload...

log4j:WARN No appenders could be found for logger (org.apache.htrace.core.Tracer).

log4j:WARN Please initialize the log4j system properly.

log4j:WARN See http://logging.apache.org/log4j/1.2/faq.html#noconfig for more info.

Starting test.

WARNING: An illegal reflective access operation has occurred

WARNING: Illegal reflective access by org.apache.hadoop.security.authentication.util.KerberosUtil (file:/home/hduser/ycsb-0.15.0/hbase14-binding/lib/hbase-shaded-client-1.4.2.jar) to method sun.security.krb5.Config.getInstance()

WARNING: Please consider reporting this to the maintainers of org.apache.hadoop.security.authentication.util.KerberosUtil

WARNING: Use --illegal-access=warn to enable warnings of further illegal reflective access operations

WARNING: All illegal access operations will be denied in a future release

DBWrapper: report latency for each error is false and specific error codes to track for latency are: []

[OVERALL], RunTime(ms), 141495

[OVERALL], Throughput(ops/sec), 1413.4775080391532

[TOTAL\_GCS\_G1\_Young\_Generation], Count, 171

[TOTAL\_GC\_TIME\_G1\_Young\_Generation], Time(ms), 384

[TOTAL\_GC\_TIME\_%\_G1\_Young\_Generation], Time(%), 0.27138768154351744

[TOTAL\_GCS\_G1\_Old\_Generation], Count, 0

[TOTAL\_GC\_TIME\_G1\_Old\_Generation], Time(ms), 0

[TOTAL\_GC\_TIME\_%\_G1\_Old\_Generation], Time(%), 0.0

[TOTAL\_GCs], Count, 171

[TOTAL\_GC\_TIME], Time(ms), 384

[TOTAL\_GC\_TIME\_%], Time(%), 0.27138768154351744

[CLEANUP], Operations, 2

[CLEANUP], AverageLatency(us), 41909.0

[CLEANUP], MinLatency(us), 10

[CLEANUP], MaxLatency(us), 83839

[CLEANUP], 95thPercentileLatency(us), 83839

[CLEANUP], 99thPercentileLatency(us), 83839

[INSERT], Operations, 200000

[INSERT], AverageLatency(us), 687.439115

[INSERT], MinLatency(us), 335

[INSERT], MaxLatency(us), 9560063

[INSERT], 95thPercentileLatency(us), 804

[INSERT], 99thPercentileLatency(us), 2725

[INSERT], Return=OK, 200000

Running run phase

hbase14

java -cp /home/hduser/ycsb-0.15.0/hbase14-binding/conf:/home/hduser/ycsb-0.15.0/conf:/home/hduser/ycsb-0.15.0/lib/HdrHistogram-2.1.4.jar:/home/hduser/ycsb-0.15.0/lib/core-0.15.0.jar:/home/hduser/ycsb-0.15.0/lib/jackson-core-asl-1.9.4.jar:/home/hduser/ycsb-0.15.0/lib/jackson-mapper-asl-1.9.4.jar:/home/hduser/ycsb-0.15.0/lib/htrace-core4-4.1.0-incubating.jar:/home/hduser/ycsb-0.15.0/hbase14-binding/lib/findbugs-annotations-1.3.9-1.jar:/home/hduser/ycsb-0.15.0/hbase14-binding/lib/htrace-core-3.1.0-incubating.jar:/home/hduser/ycsb-0.15.0/hbase14-binding/lib/log4j-1.2.17.jar:/home/hduser/ycsb-0.15.0/hbase14-binding/lib/commons-logging-1.2.jar:/home/hduser/ycsb-0.15.0/hbase14-binding/lib/hbase-shaded-client-1.4.2.jar:/home/hduser/ycsb-0.15.0/hbase14-binding/lib/slf4j-api-1.7.25.jar:/home/hduser/ycsb-0.15.0/hbase14-binding/lib/hbase10-binding-0.15.0.jar:/home/hduser/ycsb-0.15.0/hbase14-binding/lib/slf4j-log4j12-1.7.7.jar:/home/hduser/ycsb-0.15.0/hbase14-binding/lib/hbase14-binding-0.15.0.jar com.yahoo.ycsb.Client -db com.yahoo.ycsb.db.hbase14.HBaseClient14 -P /home/hduser/ycsb-0.15.0/workloads/workloada -p table=usertable -p columnfamily=family -p recordcount=200000 -p operationcount=200000 -t

Command line: -db com.yahoo.ycsb.db.hbase14.HBaseClient14 -P /home/hduser/ycsb-0.15.0/workloads/workloada -p table=usertable -p columnfamily=family -p recordcount=200000 -p operationcount=200000 -t

YCSB Client 0.15.0

Loading workload...

log4j:WARN No appenders could be found for logger (org.apache.htrace.core.Tracer).

log4j:WARN Please initialize the log4j system properly.

log4j:WARN See http://logging.apache.org/log4j/1.2/faq.html#noconfig for more info.

Starting test.

WARNING: An illegal reflective access operation has occurred

WARNING: Illegal reflective access by org.apache.hadoop.security.authentication.util.KerberosUtil (file:/home/hduser/ycsb-0.15.0/hbase14-binding/lib/hbase-shaded-client-1.4.2.jar) to method sun.security.krb5.Config.getInstance()

WARNING: Please consider reporting this to the maintainers of org.apache.hadoop.security.authentication.util.KerberosUtil

WARNING: Use --illegal-access=warn to enable warnings of further illegal reflective access operations

WARNING: All illegal access operations will be denied in a future release

DBWrapper: report latency for each error is false and specific error codes to track for latency are: []

[OVERALL], RunTime(ms), 125308

[OVERALL], Throughput(ops/sec), 1596.0672901969547

[TOTAL\_GCS\_G1\_Young\_Generation], Count, 122

[TOTAL\_GC\_TIME\_G1\_Young\_Generation], Time(ms), 331

[TOTAL\_GC\_TIME\_%\_G1\_Young\_Generation], Time(%), 0.26414913652759603

[TOTAL\_GCS\_G1\_Old\_Generation], Count, 0

[TOTAL\_GC\_TIME\_G1\_Old\_Generation], Time(ms), 0

[TOTAL\_GC\_TIME\_%\_G1\_Old\_Generation], Time(%), 0.0

[TOTAL\_GCs], Count, 122

[TOTAL\_GC\_TIME], Time(ms), 331

[TOTAL\_GC\_TIME\_%], Time(%), 0.26414913652759603

[READ], Operations, 99890

[READ], AverageLatency(us), 581.0152667934728

[READ], MinLatency(us), 102

[READ], MaxLatency(us), 2056191

[READ], 95thPercentileLatency(us), 530

[READ], 99thPercentileLatency(us), 3499

[READ], Return=OK, 99890

[CLEANUP], Operations, 2

[CLEANUP], AverageLatency(us), 312197.0

[CLEANUP], MinLatency(us), 10

[CLEANUP], MaxLatency(us), 624639

[CLEANUP], 95thPercentileLatency(us), 624639

[CLEANUP], 99thPercentileLatency(us), 624639

[UPDATE], Operations, 100110

[UPDATE], AverageLatency(us), 632.0284686844471

[UPDATE], MinLatency(us), 313

[UPDATE], MaxLatency(us), 647167

[UPDATE], 95thPercentileLatency(us), 942

[UPDATE], 99thPercentileLatency(us), 2457

[UPDATE], Return=OK, 100110

WORKLOAD: workloadb

OPCOUNT: 200000

clear down

hbase14

HBase Shell

Use "help" to get list of supported commands.

Use "exit" to quit this interactive shell.

Version 1.4.8, r91118ce5f10fb4efa03cc8c5a47c7ce97175e85e, Tue Oct 2 11:48:24 PDT 2018

truncate 'usertable'

Truncating 'usertable' table (it may take a while):

- Disabling table...

- Truncating table...

0 row(s) in 15.3910 seconds

Running load phase

hbase14

java -cp /home/hduser/ycsb-0.15.0/hbase14-binding/conf:/home/hduser/ycsb-0.15.0/conf:/home/hduser/ycsb-0.15.0/lib/HdrHistogram-2.1.4.jar:/home/hduser/ycsb-0.15.0/lib/core-0.15.0.jar:/home/hduser/ycsb-0.15.0/lib/jackson-core-asl-1.9.4.jar:/home/hduser/ycsb-0.15.0/lib/jackson-mapper-asl-1.9.4.jar:/home/hduser/ycsb-0.15.0/lib/htrace-core4-4.1.0-incubating.jar:/home/hduser/ycsb-0.15.0/hbase14-binding/lib/findbugs-annotations-1.3.9-1.jar:/home/hduser/ycsb-0.15.0/hbase14-binding/lib/htrace-core-3.1.0-incubating.jar:/home/hduser/ycsb-0.15.0/hbase14-binding/lib/log4j-1.2.17.jar:/home/hduser/ycsb-0.15.0/hbase14-binding/lib/commons-logging-1.2.jar:/home/hduser/ycsb-0.15.0/hbase14-binding/lib/hbase-shaded-client-1.4.2.jar:/home/hduser/ycsb-0.15.0/hbase14-binding/lib/slf4j-api-1.7.25.jar:/home/hduser/ycsb-0.15.0/hbase14-binding/lib/hbase10-binding-0.15.0.jar:/home/hduser/ycsb-0.15.0/hbase14-binding/lib/slf4j-log4j12-1.7.7.jar:/home/hduser/ycsb-0.15.0/hbase14-binding/lib/hbase14-binding-0.15.0.jar com.yahoo.ycsb.Client -db com.yahoo.ycsb.db.hbase14.HBaseClient14 -P /home/hduser/ycsb-0.15.0/workloads/workloadb -p table=usertable -p columnfamily=family -p recordcount=200000 -p operationcount=200000 -load

Command line: -db com.yahoo.ycsb.db.hbase14.HBaseClient14 -P /home/hduser/ycsb-0.15.0/workloads/workloadb -p table=usertable -p columnfamily=family -p recordcount=200000 -p operationcount=200000 -load

YCSB Client 0.15.0

Loading workload...

log4j:WARN No appenders could be found for logger (org.apache.htrace.core.Tracer).

log4j:WARN Please initialize the log4j system properly.

log4j:WARN See http://logging.apache.org/log4j/1.2/faq.html#noconfig for more info.

Starting test.

WARNING: An illegal reflective access operation has occurred

WARNING: Illegal reflective access by org.apache.hadoop.security.authentication.util.KerberosUtil (file:/home/hduser/ycsb-0.15.0/hbase14-binding/lib/hbase-shaded-client-1.4.2.jar) to method sun.security.krb5.Config.getInstance()

WARNING: Please consider reporting this to the maintainers of org.apache.hadoop.security.authentication.util.KerberosUtil

WARNING: Use --illegal-access=warn to enable warnings of further illegal reflective access operations

WARNING: All illegal access operations will be denied in a future release

DBWrapper: report latency for each error is false and specific error codes to track for latency are: []

[OVERALL], RunTime(ms), 147272

[OVERALL], Throughput(ops/sec), 1358.0313976859145

[TOTAL\_GCS\_G1\_Young\_Generation], Count, 171

[TOTAL\_GC\_TIME\_G1\_Young\_Generation], Time(ms), 387

[TOTAL\_GC\_TIME\_%\_G1\_Young\_Generation], Time(%), 0.26277907545222445

[TOTAL\_GCS\_G1\_Old\_Generation], Count, 0

[TOTAL\_GC\_TIME\_G1\_Old\_Generation], Time(ms), 0

[TOTAL\_GC\_TIME\_%\_G1\_Old\_Generation], Time(%), 0.0

[TOTAL\_GCs], Count, 171

[TOTAL\_GC\_TIME], Time(ms), 387

[TOTAL\_GC\_TIME\_%], Time(%), 0.26277907545222445

[CLEANUP], Operations, 2

[CLEANUP], AverageLatency(us), 32012.5

[CLEANUP], MinLatency(us), 9

[CLEANUP], MaxLatency(us), 64031

[CLEANUP], 95thPercentileLatency(us), 64031

[CLEANUP], 99thPercentileLatency(us), 64031

[INSERT], Operations, 200000

[INSERT], AverageLatency(us), 717.355355

[INSERT], MinLatency(us), 328

[INSERT], MaxLatency(us), 18661375

[INSERT], 95thPercentileLatency(us), 874

[INSERT], 99thPercentileLatency(us), 1857

[INSERT], Return=OK, 200000

Running run phase

hbase14

java -cp /home/hduser/ycsb-0.15.0/hbase14-binding/conf:/home/hduser/ycsb-0.15.0/conf:/home/hduser/ycsb-0.15.0/lib/HdrHistogram-2.1.4.jar:/home/hduser/ycsb-0.15.0/lib/core-0.15.0.jar:/home/hduser/ycsb-0.15.0/lib/jackson-core-asl-1.9.4.jar:/home/hduser/ycsb-0.15.0/lib/jackson-mapper-asl-1.9.4.jar:/home/hduser/ycsb-0.15.0/lib/htrace-core4-4.1.0-incubating.jar:/home/hduser/ycsb-0.15.0/hbase14-binding/lib/findbugs-annotations-1.3.9-1.jar:/home/hduser/ycsb-0.15.0/hbase14-binding/lib/htrace-core-3.1.0-incubating.jar:/home/hduser/ycsb-0.15.0/hbase14-binding/lib/log4j-1.2.17.jar:/home/hduser/ycsb-0.15.0/hbase14-binding/lib/commons-logging-1.2.jar:/home/hduser/ycsb-0.15.0/hbase14-binding/lib/hbase-shaded-client-1.4.2.jar:/home/hduser/ycsb-0.15.0/hbase14-binding/lib/slf4j-api-1.7.25.jar:/home/hduser/ycsb-0.15.0/hbase14-binding/lib/hbase10-binding-0.15.0.jar:/home/hduser/ycsb-0.15.0/hbase14-binding/lib/slf4j-log4j12-1.7.7.jar:/home/hduser/ycsb-0.15.0/hbase14-binding/lib/hbase14-binding-0.15.0.jar com.yahoo.ycsb.Client -db com.yahoo.ycsb.db.hbase14.HBaseClient14 -P /home/hduser/ycsb-0.15.0/workloads/workloadb -p table=usertable -p columnfamily=family -p recordcount=200000 -p operationcount=200000 -t

Command line: -db com.yahoo.ycsb.db.hbase14.HBaseClient14 -P /home/hduser/ycsb-0.15.0/workloads/workloadb -p table=usertable -p columnfamily=family -p recordcount=200000 -p operationcount=200000 -t

YCSB Client 0.15.0

Loading workload...

log4j:WARN No appenders could be found for logger (org.apache.htrace.core.Tracer).

log4j:WARN Please initialize the log4j system properly.

log4j:WARN See http://logging.apache.org/log4j/1.2/faq.html#noconfig for more info.

Starting test.

WARNING: An illegal reflective access operation has occurred

WARNING: Illegal reflective access by org.apache.hadoop.security.authentication.util.KerberosUtil (file:/home/hduser/ycsb-0.15.0/hbase14-binding/lib/hbase-shaded-client-1.4.2.jar) to method sun.security.krb5.Config.getInstance()

WARNING: Please consider reporting this to the maintainers of org.apache.hadoop.security.authentication.util.KerberosUtil

WARNING: Use --illegal-access=warn to enable warnings of further illegal reflective access operations

WARNING: All illegal access operations will be denied in a future release

DBWrapper: report latency for each error is false and specific error codes to track for latency are: []

[OVERALL], RunTime(ms), 75220

[OVERALL], Throughput(ops/sec), 2658.867322520606

[TOTAL\_GCS\_G1\_Young\_Generation], Count, 92

[TOTAL\_GC\_TIME\_G1\_Young\_Generation], Time(ms), 277

[TOTAL\_GC\_TIME\_%\_G1\_Young\_Generation], Time(%), 0.368253124169104

[TOTAL\_GCS\_G1\_Old\_Generation], Count, 0

[TOTAL\_GC\_TIME\_G1\_Old\_Generation], Time(ms), 0

[TOTAL\_GC\_TIME\_%\_G1\_Old\_Generation], Time(%), 0.0

[TOTAL\_GCs], Count, 92

[TOTAL\_GC\_TIME], Time(ms), 277

[TOTAL\_GC\_TIME\_%], Time(%), 0.368253124169104

[READ], Operations, 189950

[READ], AverageLatency(us), 338.72549618320613

[READ], MinLatency(us), 100

[READ], MaxLatency(us), 1989631

[READ], 95thPercentileLatency(us), 396

[READ], 99thPercentileLatency(us), 2393

[READ], Return=OK, 189950

[CLEANUP], Operations, 2

[CLEANUP], AverageLatency(us), 36282.5

[CLEANUP], MinLatency(us), 21

[CLEANUP], MaxLatency(us), 72575

[CLEANUP], 95thPercentileLatency(us), 72575

[CLEANUP], 99thPercentileLatency(us), 72575

[UPDATE], Operations, 10050

[UPDATE], AverageLatency(us), 818.2053731343284

[UPDATE], MinLatency(us), 378

[UPDATE], MaxLatency(us), 159359

[UPDATE], 95thPercentileLatency(us), 1661

[UPDATE], 99thPercentileLatency(us), 5703

[UPDATE], Return=OK, 10050

hduser@x18104053-dsmprojb:~/testharness$