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 Wed Dec 19 00:59:38 UTC 2018

System load: 0.13 Processes: 105

Usage of /: 22.4% of 38.60GB Users logged in: 1

Memory usage: 66% 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: Tue Dec 18 18:14:55 2018 from 188.141.76.225

ubuntu@x18104053-dsmprojb:~$ su -hduser

Usage: su [options] [LOGIN]

Options:

-c, --command COMMAND pass COMMAND to the invoked shell

-h, --help display this help message and exit

-, -l, --login make the shell a login shell

-m, -p,

--preserve-environment do not reset environment variables, and

keep the same shell

-s, --shell SHELL use SHELL instead of the default in passwd

ubuntu@x18104053-dsmprojb:~$ su - hduser

Password:

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

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

[sudo] password for hduser:

hduser@x18104053-dsmprojb:~/testharness$ ./runtest.sh 200000C

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 14.3440 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), 122266

[OVERALL], Throughput(ops/sec), 1635.7777305219768

[TOTAL\_GCS\_G1\_Young\_Generation], Count, 172

[TOTAL\_GC\_TIME\_G1\_Young\_Generation], Time(ms), 413

[TOTAL\_GC\_TIME\_%\_G1\_Young\_Generation], Time(%), 0.33778810135278814

[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, 172

[TOTAL\_GC\_TIME], Time(ms), 413

[TOTAL\_GC\_TIME\_%], Time(%), 0.33778810135278814

[CLEANUP], Operations, 2

[CLEANUP], AverageLatency(us), 856843.5

[CLEANUP], MinLatency(us), 23

[CLEANUP], MaxLatency(us), 1714175

[CLEANUP], 95thPercentileLatency(us), 1714175

[CLEANUP], 99thPercentileLatency(us), 1714175

[INSERT], Operations, 200000

[INSERT], AverageLatency(us), 589.96939

[INSERT], MinLatency(us), 340

[INSERT], MaxLatency(us), 648703

[INSERT], 95thPercentileLatency(us), 750

[INSERT], 99thPercentileLatency(us), 1102

[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), 101994

[OVERALL], Throughput(ops/sec), 1960.8996607643587

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

[TOTAL\_GC\_TIME\_G1\_Young\_Generation], Time(ms), 334

[TOTAL\_GC\_TIME\_%\_G1\_Young\_Generation], Time(%), 0.3274702433476479

[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), 334

[TOTAL\_GC\_TIME\_%], Time(%), 0.3274702433476479

[READ], Operations, 99984

[READ], AverageLatency(us), 410.5821931509041

[READ], MinLatency(us), 106

[READ], MaxLatency(us), 1854463

[READ], 95thPercentileLatency(us), 498

[READ], 99thPercentileLatency(us), 3247

[READ], Return=OK, 99984

[CLEANUP], Operations, 2

[CLEANUP], AverageLatency(us), 45150.0

[CLEANUP], MinLatency(us), 28

[CLEANUP], MaxLatency(us), 90303

[CLEANUP], 95thPercentileLatency(us), 90303

[CLEANUP], 99thPercentileLatency(us), 90303

[UPDATE], Operations, 100016

[UPDATE], AverageLatency(us), 580.9674252119661

[UPDATE], MinLatency(us), 322

[UPDATE], MaxLatency(us), 128895

[UPDATE], 95thPercentileLatency(us), 901

[UPDATE], 99thPercentileLatency(us), 1529

[UPDATE], Return=OK, 100016

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 21.6480 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), 122037

[OVERALL], Throughput(ops/sec), 1638.847234855003

[TOTAL\_GCS\_G1\_Young\_Generation], Count, 172

[TOTAL\_GC\_TIME\_G1\_Young\_Generation], Time(ms), 423

[TOTAL\_GC\_TIME\_%\_G1\_Young\_Generation], Time(%), 0.34661619017183315

[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, 172

[TOTAL\_GC\_TIME], Time(ms), 423

[TOTAL\_GC\_TIME\_%], Time(%), 0.34661619017183315

[CLEANUP], Operations, 2

[CLEANUP], AverageLatency(us), 33109.0

[CLEANUP], MinLatency(us), 10

[CLEANUP], MaxLatency(us), 66239

[CLEANUP], 95thPercentileLatency(us), 66239

[CLEANUP], 99thPercentileLatency(us), 66239

[INSERT], Operations, 200000

[INSERT], AverageLatency(us), 597.085795

[INSERT], MinLatency(us), 351

[INSERT], MaxLatency(us), 2160639

[INSERT], 95thPercentileLatency(us), 749

[INSERT], 99thPercentileLatency(us), 1084

[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), 66958

[OVERALL], Throughput(ops/sec), 2986.9470414289553

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

[TOTAL\_GC\_TIME\_G1\_Young\_Generation], Time(ms), 256

[TOTAL\_GC\_TIME\_%\_G1\_Young\_Generation], Time(%), 0.3823292213029063

[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), 256

[TOTAL\_GC\_TIME\_%], Time(%), 0.3823292213029063

[READ], Operations, 189873

[READ], AverageLatency(us), 291.36708220758084

[READ], MinLatency(us), 103

[READ], MaxLatency(us), 1497087

[READ], 95thPercentileLatency(us), 396

[READ], 99thPercentileLatency(us), 1764

[READ], Return=OK, 189873

[CLEANUP], Operations, 2

[CLEANUP], AverageLatency(us), 155973.0

[CLEANUP], MinLatency(us), 10

[CLEANUP], MaxLatency(us), 312063

[CLEANUP], 95thPercentileLatency(us), 312063

[CLEANUP], 99thPercentileLatency(us), 312063

[UPDATE], Operations, 10127

[UPDATE], AverageLatency(us), 785.1995655179223

[UPDATE], MinLatency(us), 367

[UPDATE], MaxLatency(us), 60095

[UPDATE], 95thPercentileLatency(us), 1517

[UPDATE], 99thPercentileLatency(us), 4567

[UPDATE], Return=OK, 10127

hduser@x18104053-dsmprojb:~/testharness$