

# Loading Historical Transactions Data into NoSQL Database

## Commands to load the past transactions data into NoSQL database

### —HIVE—

#### - Creating database in hive

```
create database capstone_project; use capstone_project;
```

#### - Setting some parameters in hive

```
set hive.auto.convert.join=false;
set hive.stats.autogather=true;
set orc.compress=SNAPPY;
set hive.exec.compress.output=true;
set
mapred.output.compression.codec=org.apache.hadoop.io.com
press.SnappyCod ec; set
mapred.output.compression.type=BLOCK;

set mapreduce.map.java.opts=-Xmx5G;
set mapreduce.reduce.java.opts=-Xmx5G;
set mapred.child.java.opts=-Xmx5G -XX:
+UseConcMarkSweepGC -XX:- UseGCOverheadLimit;
```

```
[[root@ip-172-31-21-211 ~]# hive
Logging initialized using configuration in file:/etc/hive/conf.dist/hive-log4j2.properties Async: false
hive> create database capstone_project;
OK
Time taken: 1.513 seconds
hive> use capstone_project;
OK
Time taken: 0.09 seconds
hive> set hive.auto.convert.join=false;
hive> set hive.stats.autogather=true;
hive> set orc.compress=SNAPPY;
hive> set hive.exec.compress.output=true;
hive> set mapred.output.compression.codec=org.apache.hadoop.io.compress.SnappyCodec; set mapred.output.compression.type=BLOCK;
hive> set mapreduce.map.java.opts=-Xmx5G;
hive> set mapreduce.reduce.java.opts=-Xmx5G;
hive> set mapred.child.java.opts=-Xmx5G -XX:+UseConcMarkSweepGC -XX:-UseGCOverheadLimit;
hive> ]
```

#### - Creating directory in hdfs to store card transaction csv file

```
hadoop fs -mkdir /user/root/card_transaction
```

## - Uploading csv file from S3 to hdfs

```
hadoop distcp s3://capstone-aditya/input/  
card_transactions.csv hdfs:/user/root/ card_transaction/
```

```
xMaps=20, mapBandwidth=100, sslConfigurationFile='null', copyStrategy='uniformsize', preserveStatus=[], preserveRawXattrs=false, atomicWorkPath=null, logPath=null, sou  
s3://capstone-aditya/input/card_transactions.csv, targetPath=hdfs:/user/root/card_transaction, targetPathExists=true, filtersFile='null'  
INFO client.RMProxy: Connecting to ResourceManager at ip-172-31-21-211.ec2.internal/172.31.21.211:8032  
INFO tools.SimpleCopyListing: Paths (files+dirs) cnt = 1; dirCnt = 0  
INFO tools.SimpleCopyListing: Build file listing completed.  
INFO Configuration.deprecation: io.sort.mb is deprecated. Instead, use mapreduce.task.io.sort.mb  
INFO Configuration.deprecation: io.sort.factor is deprecated. Instead, use mapreduce.task.io.sort.factor  
INFO tools.DistCp: Number of paths in the copy list: 1  
INFO tools.DistCp: Number of paths in the copy list: 1  
INFO client.RMProxy: Connecting to ResourceManager at ip-172-31-21-211.ec2.internal/172.31.21.211:8032  
INFO mapreduce.JobSubmitter: number of splits:1  
INFO mapreduce.JobSubmitter: Submitting tokens for job: job_1652465715257_0001  
INFO impl.YarnClientImpl: Submitted application application_1652465715257_0001  
INFO mapreduce.Job: The url to track the job: http://ip-172-31-21-211.ec2.internal:20888/proxy/application_1652465715257_0001/  
INFO tools.DistCp: DistCp job-id: job_1652465715257_0001  
INFO mapreduce.Job: Running job: job_1652465715257_0001  
INFO mapreduce.Job: Job job_1652465715257_0001 running in uber mode : false  
INFO mapreduce.Job: map 0% reduce 0%  
INFO mapreduce.Job: map 100% reduce 0%  
INFO mapreduce.Job: Job job_1652465715257_0001 completed successfully  
INFO mapreduce.Job: Counters: 38  
m Counters
```

## - Checking uploaded csv file

```
hadoop fs -ls /user/root/card_transaction/
```

```
Bytes Copied=4829520  
Bytes Expected=4829520  
Files Copied=1  
[root@ip-172-31-21-211 ~]# hadoop fs -ls /user/root/card_transaction/  
Found 1 items  
-rw-r--r-- 1 root hadoop 4829520 2022-05-13 19:12 /user/root/card_transaction/card_transactions.csv  
[root@ip-172-31-21-211 ~]#
```

```
hadoop fs -cat /user/root/card_transaction/  
card_transactions.csv
```

```
[root@ip-172-31-21-211 ~]# hadoop fs -cat /user/root/card_transaction/card_transactions.csv
card_id,member_id,amount,postcode,pos_id,transaction_dt,status
348702330256514,000037495066290,9084849,33946,614677375609919,11-02-2018 00:00:00,GENUINE
348702330256514,000037495066290,330148,33946,614677375609919,11-02-2018 00:00:00,GENUINE
348702330256514,000037495066290,136052,33946,614677375609919,11-02-2018 00:00:00,GENUINE
348702330256514,000037495066290,4310362,33946,614677375609919,11-02-2018 00:00:00,GENUINE
348702330256514,000037495066290,9097094,33946,614677375609919,11-02-2018 00:00:00,GENUINE
348702330256514,000037495066290,2291118,33946,614677375609919,11-02-2018 00:00:00,GENUINE
348702330256514,000037495066290,4900011,33946,614677375609919,11-02-2018 00:00:00,GENUINE
348702330256514,000037495066290,633447,33946,614677375609919,11-02-2018 00:00:00,GENUINE
348702330256514,000037495066290,6259303,33946,614677375609919,11-02-2018 00:00:00,GENUINE
348702330256514,000037495066290,369067,33946,614677375609919,11-02-2018 00:00:00,GENUINE
348702330256514,000037495066290,1193207,33946,614677375609919,11-02-2018 00:00:00,GENUINE
348702330256514,000037495066290,9335696,33946,614677375609919,11-02-2018 00:00:00,GENUINE
348702330256514,000037495066290,2241736,33946,614677375609919,11-02-2018 00:00:00,GENUINE
348702330256514,000037495066290,457701,33946,614677375609919,11-02-2018 00:00:00,GENUINE
348702330256514,000037495066290,7176668,33946,614677375609919,11-02-2018 00:00:00,GENUINE
348702330256514,000037495066290,5585098,33946,614677375609919,11-02-2018 00:00:00,GENUINE
348702330256514,000037495066290,7918756,33946,614677375609919,11-02-2018 00:00:00,GENUINE
348702330256514,000037495066290,1611089,33946,614677375609919,11-02-2018 00:00:00,GENUINE
348702330256514,000037495066290,217221,33946,614677375609919,11-02-2018 00:00:00,GENUINE
348702330256514,000037495066290,2617991,33946,614677375609919,11-02-2018 00:00:00,GENUINE
348702330256514,000037495066290,6517705,33946,614677375609919,11-02-2018 00:00:00,GENUINE
348702330256514,000037495066290,5355357,33946,614677375609919,11-02-2018 00:00:00,GENUINE
348702330256514,000037495066290,3327978,33946,614677375609919,11-02-2018 00:00:00,GENUINE
348702330256514,000037495066290,5577105,33946,614677375609919,11-02-2018 00:00:00,GENUINE
348702330256514,000037495066290,1914315,33946,614677375609919,11-02-2018 00:00:00,GENUINE
348702330256514,000037495066290,4134866,33946,614677375609919,11-02-2018 00:00:00,GENUINE
348702330256514,000037495066290,4222084,33946,614677375609919,11-02-2018 00:00:00,GENUINE
348702330256514,000037495066290,1799290,33946,614677375609919,11-02-2018 00:00:00,GENUINE
348702330256514,000037495066290,2741517,33946,614677375609919,11-02-2018 00:00:00,GENUINE
348702330256514,000037495066290,8669914,33946,614677375609919,11-02-2018 00:00:00,GENUINE
348702330256514,000037495066290,6858932,33946,614677375609919,11-02-2018 00:00:00,GENUINE
348702330256514,000037495066290,290230,33946,614677375609919,11-02-2018 00:00:00,GENUINE
348702330256514,000037495066290,2148850,33946,614677375609919,11-02-2018 00:00:00,GENUINE
348702330256514,000037495066290,8644519,33946,614677375609919,11-02-2018 00:00:00,GENUINE
348702330256514,000037495066290,6118972,33946,614677375609919,11-02-2018 00:00:00,GENUINE
348702330256514,000037495066290,4748493,33946,614677375609919,11-02-2018 00:00:00,GENUINE
348702330256514,000037495066290,7595051,33946,614677375609919,11-02-2018 00:00:00,GENUINE
348702330256514,000037495066290,7574072,33946,614677375609919,11-02-2018 00:00:00,GENUINE
348702330256514,000037495066290,6949725,33946,614677375609919,11-02-2018 00:00:00,GENUINE
348702330256514,000037495066290,3290936,33946,614677375609919,11-02-2018 00:00:00,GENUINE
```

`hadoop fs -cat /user/root/card_transaction/card_transactions.csv | wc -l`

```
[root@ip-172-31-21-211 ~]# hadoop fs -cat /user/root/card_transaction/card_transactions.csv | wc -l
53293
[root@ip-172-31-21-211 ~]#
```

## - Creating external table to store data from csv file

`CREATE EXTERNAL TABLE IF NOT EXISTS  
CARD_TRANSACTION_EXT(`CARD_ID` STRING,  
`MEMBER_ID` STRING,  
`AMOUNT` DOUBLE,  
`POSTCODE` STRING, `POS_ID` STRING,  
`TRANSACTION_DT` STRING, `STATUS` STRING)`

```
ROW FORMAT DELIMITED FIELDS TERMINATED BY ','  
LOCATION '/user/root/card_transaction' TBLPROPERTIES  
("skip.header.line.count"="1");
```

```
hive> CREATE EXTERNAL TABLE IF NOT EXISTS CARD_TRANSACTION_EXT(  
> `CARD_ID` STRING,  
> `MEMBER_ID` STRING,  
> `AMOUNT` DOUBLE,  
> `POSTCODE` STRING,  
> `POS_ID` STRING,  
> `TRANSACTION_DT` STRING,  
> `STATUS` STRING)  
> ROW FORMAT DELIMITED FIELDS TERMINATED BY ','  
> LOCATION '/user/root/card_transaction'  
> TBLPROPERTIES ("skip.header.line.count"="1");  
OK  
Time taken: 0.052 seconds
```

### - Creating ORC format table for better performance

```
CREATE TABLE IF NOT EXISTS  
CARD_TRANSACTION_ORC(`CARD_ID` STRING,  
 `MEMBER_ID` STRING,  
 `AMOUNT` DOUBLE,  
 `POSTCODE` STRING,  
 `POS_ID` STRING,  
 `TRANSACTION_DT` TIMESTAMP,  
 `STATUS` STRING)  
STORED AS ORC  
TBLPROPERTIES ("orc.compress"="SNAPPY");
```

```
hive> CREATE TABLE IF NOT EXISTS CARD_TRANSACTION_ORC(  
> `CARD_ID` STRING,  
> `MEMBER_ID` STRING,  
> `AMOUNT` DOUBLE,  
> `POSTCODE` STRING,  
> `POS_ID` STRING,  
> `TRANSACTION_DT` TIMESTAMP,  
> `STATUS` STRING)  
> STORED AS ORC  
> TBLPROPERTIES ("orc.compress"="SNAPPY");  
OK  
Time taken: 0.102 seconds
```

## - Inserting data into ORC table

```
INSERT OVERWRITE TABLE CARD_TRANSACTION_ORC
SELECT CARD_ID, MEMBER_ID, AMOUNT, POSTCODE,
POS_ID,
CAST(FROM_UNIXTIME(UNIX_TIMESTAMP(TRANSACTION_DT,'dd-MM-yyyy HH:mm:ss')) AS TIMESTAMP), STATUS
FROM CARD_TRANSACTION_EXT;
```

```
hive> INSERT OVERWRITE TABLE CARD_TRANSACTION_ORC
> SELECT CARD_ID, MEMBER_ID, AMOUNT, POSTCODE, POS_ID, CAST(FROM_UNIXTIME(UNIX_TIMESTAMP(TRANSACTION_DT,'dd-MM-yyyy HH:mm:ss')) AS TIMESTAMP), STATUS
> FROM CARD_TRANSACTION_EXT;
Query ID = root_20220513192449_bb7138e7-4a3a-4377-9bc6-b7e8f605c21c
Total jobs = 1
Launching Job 1 out of 1
Status: Running (Executing on YARN cluster with App id application_1652465715257_0004)

-----  
 VERTICES      MODE      STATUS TOTAL COMPLETED RUNNING PENDING FAILED KILLED  
Map 1 ..... container SUCCEEDED    1      1      0      0      0      0  
-----  
VERTICES: 01/01 [=====>>>] 100% ELAPSED TIME: 7.52 s  
-----  
Loading data to table capstone_project.card_transaction_orc  
OK  
Time taken: 8.602 seconds
```

## - Creating Hive-HBase integrated table which is available in base as well CREATE TABLE

```
CARD_TRANSACTION_HBASE(
```

```
`TRANSACTION_ID` STRING,  
 `CARD_ID` STRING,
```

```
 `MEMBER_ID` STRING, `AMOUNT` DOUBLE, `POSTCODE`  
 STRING,
```

```
 `POS_ID` STRING, `TRANSACTION_DT` TIMESTAMP,  
 `STATUS` STRING)
```

```
ROW FORMAT DELIMITED
```

```
STORED BY
```

```
'org.apache.hadoop.hive.hbase.HBaseStorageHandler' WITH  
SERDEPROPERTIES
```

```
("hbase.columns.mapping"=":key,  
card_transactions_family:card_id,  
card_transactions_family:member_id,  
card_transactions_family:amount,
```

```

card_transactions_family:postcode,
card_transactions_family:pos_id,
card_transactions_family:transaction_dt,
card_transactions_family:status") TBLPROPERTIES
("hbase.table.name"="card_transaction_hive");

```

```

hive> CREATE TABLE CARD_TRANSACTION_HBASE(
    > "TRANSACTION_ID" STRING,
    > "CARD_ID" STRING,
    > "MEMBER_ID" STRING,
    > "AMOUNT" DOUBLE,
    > "POSTCODE" STRING,
    > "POS_ID" STRING,
    > "TRANSACTION_DT" TIMESTAMP,
    > "STATUS" STRING)
    > ROW FORMAT DELIMITED
    > STORED BY 'org.apache.hadoop.hbase.HBaseStorageHandler'
    > WITH SERDEPROPERTIES
os_id, card_transactions_family:transaction_dt, card_transactions_family:member_id, card_transactions_family:amount, card_transactions_family:postcode, card_transactions_family:pos_id, card_transactions_family:status")
    > TBLPROPERTIES ("hbase.table.name"="card_transaction_hive");
OK
Time taken: 3.036 seconds

```

- Inserting data in table which is visible in base and using random UUID for rowkey

```

INSERT OVERWRITE TABLE
CARD_TRANSACTION_HBASE
SELECT
reflect('java.util.UUID', 'randomUUID') as TRANSACTION_ID,
CARD_ID, MEMBER_ID, AMOUNT, POSTCODE, POS_ID,
TRANSACTION_DT, STATUS FROM
CARD_TRANSACTION_ORC;

```

```

hive> INSERT OVERWRITE TABLE CARD_TRANSACTION_HBASE
    > SELECT
    > reflect('java.util.UUID', 'randomUUID') as TRANSACTION_ID, CARD_ID, MEMBER_ID, AMOUNT, POSTCODE, POS_ID, TRANSACTION_DT, STATUS
    > FROM CARD_TRANSACTION_ORC;
Query ID = root_20220513192642_04f0d74a-214d-4f9d-aa42-a4bd3ff48876
Total jobs = 1
Launching Job 1 out of 1
Status: Running (Executing on YARN cluster with App id application_1652465715257_0004)

-----
VERTICES      MODE      STATUS TOTAL COMPLETED RUNNING PENDING FAILED KILLED
Map 1 ..... container SUCCEEDED   1     1     0     0     0     0
-----
VERTICES: 01/01 [=====>>>] 100% ELAPSED TIME: 11.37 s
-----
OK
Time taken: 15.047 seconds

```

**Command to list the table in which the data is loaded and the command to get the count of the rows of the table**

- Listing the tables show tables;

- Printing the count of rows in table select count(\*) from card\_transaction\_orc;

- Printing top 10 transaction date from card transaction table

```
select year(transaction_dt), transaction_dt from card_transaction_orc limit 10; show tables;
```

```
hive> select year(transaction_dt), transaction_dt from card_transaction_orc limit 10;
OK
2018    2018-02-11 00:00:00
2018    2018-02-11 00:00:00
2018    2018-02-11 00:00:00
2018    2018-02-11 00:00:00
2018    2018-02-11 00:00:00
2018    2018-02-11 00:00:00
2018    2018-02-11 00:00:00
2018    2018-02-11 00:00:00
2018    2018-02-11 00:00:00
2018    2018-02-11 00:00:00
Time taken: 0.125 seconds, Fetched: 10 row(s)
```

- Printing top 10 rows from orc table select \* from card\_transaction\_orc limit 10;

```
hive> select * from card_transaction_orc limit 10;
OK
348702330256514 000037495066290 9084849.0      33946   614677375609919 2018-02-11 00:00:00  GENUINE
348702330256514 000037495066290 330148.0      33946   614677375609919 2018-02-11 00:00:00  GENUINE
348702330256514 000037495066290 136052.0      33946   614677375609919 2018-02-11 00:00:00  GENUINE
348702330256514 000037495066290 4310362.0     33946   614677375609919 2018-02-11 00:00:00  GENUINE
348702330256514 000037495066290 9097094.0     33946   614677375609919 2018-02-11 00:00:00  GENUINE
348702330256514 000037495066290 2291118.0     33946   614677375609919 2018-02-11 00:00:00  GENUINE
348702330256514 000037495066290 4900011.0     33946   614677375609919 2018-02-11 00:00:00  GENUINE
348702330256514 000037495066290 633447.0      33946   614677375609919 2018-02-11 00:00:00  GENUINE
348702330256514 000037495066290 6259303.0     33946   614677375609919 2018-02-11 00:00:00  GENUINE
348702330256514 000037495066290 369067.0       33946   614677375609919 2018-02-11 00:00:00  GENUINE
Time taken: 0.112 seconds, Fetched: 10 row(s)
```

- Printing top 10 rows from card transaction table select \* from card\_transaction\_hbase limit 10;

```
hive> select * from card_transaction_hbase limit 10;
OK
000334c4-1c82-440a-afa4-9f328527772f 6489878454988664 297268311002579 19993.0 81152 071289879033526 2017-12-21 12:17:10  GENUINE
00045bcf-91f6-46c0-835a-414986e05035 372336918813721 064090191685558 1321570.0 17040 332660973887989 2016-03-31 06:03:05  GENUINE
00048586-8289-4dd1-90d0-85920aedc001 5594912773065625 554119943804330 2099685.0 30442 206609815762524 2017-06-07 00:10:15  GENUINE
000611c8-1baf-46e5-9d75-98d527c9bd19 4256656637307408 987837606639725 5432565.0 88046 633001087829456 2018-01-12 23:15:18  GENUINE
000657d8-c448-4954-880e-41f10b732a6a 6463116552169683 366051887072370 1860859.0 71423 770390341796564 2017-01-10 00:35:44  GENUINE
00066737-511e-4449-adfa-5f6e41887e2e 372367382019172 483278526851211 78395.0 15833 574843866100658 2017-02-11 06:48:52  GENUINE
00069629-4bed-410a-9833-c21d26e90b85 5299801391216322 153755706358463 9017283.0 82520 54292955926250 2017-09-02 18:53:19  GENUINE
0006fb2a-5756-4c9a-93a8-bcc766497e34 4403885735771756 692507849787540 4211434.0 87539 197948297299071 2017-10-18 15:38:56  GENUINE
00076185-d4cd-48dc-8280-119de812f146 4373464339970856 353188612655228 1136988.0 50457 657196939516344 2018-01-11 00:00:00  GENUINE
000802f5-ca66-4e81-9dc6-fcf574566d39 4033232792979330 350825724718484 6221694.0 74745 36924728462271 2017-12-11 00:00:00  GENUINE
Time taken: 0.246 seconds, Fetched: 10 row(s)
```

## -----HBASE-----

- Setting up the HBase environment

```
yum install gcc  
sudo yum install python3-devel pip install happybase  
hbase thrift start  
jps
```

## - Describing card transaction table in HBase

```
describe 'card_transaction_hive'
```

```
hbase(main):001:0> describe 'card_transaction_hive'  
Table card_transaction_hive is ENABLED  
card.transaction_hive  
COLUMN FAMILIES DESCRIPTION  
{NAME => 'card_transactions_family', BLOOMFILTER => 'ROW', VERSIONS => '1', IN_MEMORY => 'false', KEEP_DELETED_CELLS => 'FALSE', DATA_BLOCK_ENCODING => 'NONE', TTL => 'FOREVER', COMPRESSION => 'NONE', M  
IN VERSIONS => '0', BLOCKCACHE => 'true', BLOCKSIZE => '65536', REPLICATION_SCOPE => '0'}  
1 row(s) in 0.3600 seconds
```

## - Counting the rows in the table

```
count 'card_transaction_hive'
```

```
hbase(main):002:0> count 'card_transaction_hive'
Current count: 1000, row: 04e6bc22-1dba-4a13-beb8-fb3ccd515b43
Current count: 2000, row: 09c5d844-94a3-44ea-8538-5ec7d4df62f5
Current count: 3000, row: 0e5830aa-9381-4466-8c8b-a4ac2fb1b3cf
Current count: 4000, row: 12efb0ee-7c20-450d-abc7-481d772de159
Current count: 5000, row: 17de7c2d-c317-420d-afba-69248d204bb9
Current count: 6000, row: 1cca0c53-db27-4f28-a7e8-9c32bc177be0
Current count: 7000, row: 21d68c38-5c1c-44be-818d-8c67c06b1ee7
Current count: 8000, row: 268b387e-55ee-4fba-88d3-9c1dd8081aa9
Current count: 9000, row: 2b49d905-3bc3-40b4-bedb-4aa4799e8ce4
Current count: 10000, row: 2fee5cee-a40f-435f-bea4-f307af640028
Current count: 11000, row: 34a83398-15d5-4fa4-a1b6-a95210c8aef8
Current count: 12000, row: 399f3089-1e46-4775-aaf9-9ca2d1b29a6f
Current count: 13000, row: 3e93ebbc-8b16-4533-89e4-0fecb0f4b125
Current count: 14000, row: 43633963-82d3-41cc-b596-fa28a0731af6
Current count: 15000, row: 47eae52e-873b-4ecf-93f5-252a18982fdb
Current count: 16000, row: 4cf3fcac-f938-4345-8338-f7a9e801ec44
Current count: 17000, row: 51bd98ea-873e-43ce-9fa7-7632a0dc34ab
Current count: 18000, row: 569c89a1-1794-450b-8420-6f715d20bc6b
Current count: 19000, row: 5b6f58f1-6f37-458b-b3dc-a6c7d764f37f
Current count: 20000, row: 6031295a-5c92-43f9-bf87-e6806a363656
Current count: 21000, row: 64d75e08-aa30-4a76-a5fa-b35fe6d8a80c
Current count: 22000, row: 69b56667-bd6e-4218-83ef-2a3ac2d6e213
Current count: 23000, row: 6e36d1d7-df1d-433d-b047-1e6e5d9e516d
Current count: 24000, row: 7309bfb8-efed-4c47-a29e-e0c9af24c9d7
Current count: 25000, row: 77fa73a0-eee0-477c-b27c-7ddca90199b0
Current count: 26000, row: 7cd34e4c-4c44-4291-a5cd-e5bf0e9e89ff
Current count: 27000, row: 81a38878-73d4-462e-aa95-82afa44663cc
Current count: 28000, row: 8653c0b2-b93d-4d21-8bfc-230e9697249b
Current count: 29000, row: 8af896ac-24dc-4124-8898-aaa81b0182ca
Current count: 30000, row: 8fbbbdd4-760f-4dcb-82ef-d43c6aebec9
Current count: 31000, row: 943ed5ba-4244-4f71-aeel-a83d9450ad90
Current count: 32000, row: 990723c2-113e-44a4-a3ba-cac96b3fb02c
Current count: 33000, row: 9e194f05-e326-417d-8256-a1f4e14f43bf
Current count: 34000, row: a30fbcd-17c6-4c01-ba00-4d464e96c51f
Current count: 35000, row: a7b9530a-f709-49e1-a97f-5da6adfe6c9d
Current count: 36000, row: acc51081-96bd-48f8-9eac-7f5d272c1ec3
Current count: 37000, row: b1916c00-eb1a-4f61-ba6c-92f2e1170fe5
Current count: 38000, row: b654e506-a198-4782-bac1-4caa41b38aed
Current count: 39000, row: bb0754af-edf5-4ef9-8c63-ae6632254a1d
Current count: 40000, row: bf9aaf4a-ed2f-4ae5-8372-d46e4d714f41
Current count: 41000, row: c47446d5-cae6-4a83-879f-422fa1cd71fb
Current count: 42000, row: c9049654-1158-4b99-9c28-686792885873
Current count: 43000, row: ce07a5a3-c1af-4ce3-851e-89aeba605ef3
Current count: 44000, row: d2baff0b-d922-4295-976f-a68017d3151c
Current count: 45000, row: d7bf938c-f4f8-4dc7-86c5-74483c6fd0b1
Current count: 46000, row: dcac0768-50e4-481c-9d4c-bca90c2a88c0
Current count: 47000, row: e15c6d4c-46ca-4d35-88a8-349eaf36271f
Current count: 48000, row: e6a83154-7e0d-4622-84e4-ef0b2e3ff93e
Current count: 49000, row: eb57a5e0-4cab-4db6-9848-a718e371eb8f
Current count: 50000, row: f03d1512-cfeb-4325-a889-2ccb7e742edd
Current count: 51000, row: f50dd392-75e7-47e4-852d-dd6308eece7d
Current count: 52000, row: fa05c95c-1d95-420a-9946-f6300fb7a9ea
Current count: 53000, row: febb31c5-515f-489b-8284-026ea275854a
53292 row(s) in 4.1750 seconds
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