**BD-05**

hdoop@admin1-HP-280-G4-MT-Business-PC:~$ cd $HIVE\_HOME/bin

hdoop@admin1-HP-280-G4-MT-Business-PC:~/apache-hive-3.1.2-bin/bin$ hive

SLF4J: Class path contains multiple SLF4J bindings.

SLF4J: Found binding in [jar:file:/home/hdoop/apache-hive-3.1.2-bin/lib/log4j-slf4j-impl-2.10.0.jar!/org/slf4j/impl/StaticLoggerBinder.class]

SLF4J: Found binding in [jar:file:/home/hdoop/hadoop-3.2.1/share/hadoop/common/lib/slf4j-log4j12-1.7.25.jar!/org/slf4j/impl/StaticLoggerBinder.class]

SLF4J: See http://www.slf4j.org/codes.html#multiple\_bindings for an explanation.

SLF4J: Actual binding is of type [org.apache.logging.slf4j.Log4jLoggerFactory]

Hive Session ID = 747243c5-cb66-4ecd-b1c8-48a448c65820

Logging initialized using configuration in jar:file:/home/hdoop/apache-hive-3.1.2-bin/lib/hive-common-3.1.2.jar!/hive-log4j2.properties Async: true

Hive-on-MR is deprecated in Hive 2 and may not be available in the future versions. Consider using a different execution engine (i.e. spark, tez) or using Hive 1.X releases.

hive> start-all.sh

> jps

> hdoop@admin1-HP-280-G4-MT-Business-PC:~/apache-hive-3.1.2-bin/bin$ ./start-all.sh

bash: ./start-all.sh: No such file or directory

hdoop@admin1-HP-280-G4-MT-Business-PC:~/apache-hive-3.1.2-bin/bin$ hive

SLF4J: Class path contains multiple SLF4J bindings.

SLF4J: Found binding in [jar:file:/home/hdoop/apache-hive-3.1.2-bin/lib/log4j-slf4j-impl-2.10.0.jar!/org/slf4j/impl/StaticLoggerBinder.class]

SLF4J: Found binding in [jar:file:/home/hdoop/hadoop-3.2.1/share/hadoop/common/lib/slf4j-log4j12-1.7.25.jar!/org/slf4j/impl/StaticLoggerBinder.class]

SLF4J: See http://www.slf4j.org/codes.html#multiple\_bindings for an explanation.

SLF4J: Actual binding is of type [org.apache.logging.slf4j.Log4jLoggerFactory]

Hive Session ID = dfff95af-9fa5-4af9-9793-c9195ff12202

Logging initialized using configuration in jar:file:/home/hdoop/apache-hive-3.1.2-bin/lib/hive-common-3.1.2.jar!/hive-log4j2.properties Async: true

Hive-on-MR is deprecated in Hive 2 and may not be available in the future versions. Consider using a different execution engine (i.e. spark, tez) or using Hive 1.X releases.

hive> show databases;

FAILED: HiveException java.lang.RuntimeException: Unable to instantiate org.apache.hadoop.hive.ql.metadata.SessionHiveMetaStoreClient

hive> exit

> exit

> hdoop@admin1-HP-280-G4-MT-Business-PC:~/apache-hive-3.1.2-bin/bin$ hive

SLF4J: Class path contains multiple SLF4J bindings.

SLF4J: Found binding in [jar:file:/home/hdoop/apache-hive-3.1.2-bin/lib/log4j-slf4j-impl-2.10.0.jar!/org/slf4j/impl/StaticLoggerBinder.class]

SLF4J: Found binding in [jar:file:/home/hdoop/hadoop-3.2.1/share/hadoop/common/lib/slf4j-log4j12-1.7.25.jar!/org/slf4j/impl/StaticLoggerBinder.class]

SLF4J: See http://www.slf4j.org/codes.html#multiple\_bindings for an explanation.

SLF4J: Actual binding is of type [org.apache.logging.slf4j.Log4jLoggerFactory]

Hive Session ID = a358f019-fa04-4817-99ae-a53e05649c6a

Logging initialized using configuration in jar:file:/home/hdoop/apache-hive-3.1.2-bin/lib/hive-common-3.1.2.jar!/hive-log4j2.properties Async: true

Hive-on-MR is deprecated in Hive 2 and may not be available in the future versions. Consider using a different execution engine (i.e. spark, tez) or using Hive 1.X releases.

hive> hdoop@admin1-HP-280-G4-MT-Business-PC:~/apache-hive-3.1.2-bin/bin$ cd $HIVE\_HOME

hdoop@admin1-HP-280-G4-MT-Business-PC:~/apache-hive-3.1.2-bin$ conf

Command 'conf' not found, did you mean:

command 'konf' from snap konf (0+git.1f16419)

command 'dconf' from deb dconf-cli (0.36.0-1)

command 'cons' from deb cons (2.3.0.1+2.2.0-2)

command 'qconf' from deb gridengine-client (8.1.9+dfsg-9build2)

See 'snap info <snapname>' for additional versions.

hdoop@admin1-HP-280-G4-MT-Business-PC:~/apache-hive-3.1.2-bin$ ./conf

bash: ./conf: Is a directory

hdoop@admin1-HP-280-G4-MT-Business-PC:~/apache-hive-3.1.2-bin$ cd conf

hdoop@admin1-HP-280-G4-MT-Business-PC:~/apache-hive-3.1.2-bin/conf$ ls

beeline-log4j2.properties.template hive-exec-log4j2.properties.template llap-daemon-log4j2.properties.template

derby.log hive-log4j2.properties.template metastore\_db

hive-default.xml.template ivysettings.xml parquet-logging.properties

hive-env.sh.template llap-cli-log4j2.properties.template

hdoop@admin1-HP-280-G4-MT-Business-PC:~/apache-hive-3.1.2-bin/conf$ rm -rf metastore\_db

hdoop@admin1-HP-280-G4-MT-Business-PC:~/apache-hive-3.1.2-bin/conf$ ls

beeline-log4j2.properties.template hive-exec-log4j2.properties.template llap-daemon-log4j2.properties.template

derby.log hive-log4j2.properties.template parquet-logging.properties

hive-default.xml.template ivysettings.xml

hive-env.sh.template llap-cli-log4j2.properties.template

hdoop@admin1-HP-280-G4-MT-Business-PC:~/apache-hive-3.1.2-bin/conf$ schematool -initSchema -dbType derby

SLF4J: Class path contains multiple SLF4J bindings.

SLF4J: Found binding in [jar:file:/home/hdoop/apache-hive-3.1.2-bin/lib/log4j-slf4j-impl-2.10.0.jar!/org/slf4j/impl/StaticLoggerBinder.class]

SLF4J: Found binding in [jar:file:/home/hdoop/hadoop-3.2.1/share/hadoop/common/lib/slf4j-log4j12-1.7.25.jar!/org/slf4j/impl/StaticLoggerBinder.class]

SLF4J: See http://www.slf4j.org/codes.html#multiple\_bindings for an explanation.

SLF4J: Actual binding is of type [org.apache.logging.slf4j.Log4jLoggerFactory]

Metastore connection URL: jdbc:derby:;databaseName=metastore\_db;create=true

Metastore Connection Driver : org.apache.derby.jdbc.EmbeddedDriver

Metastore connection User: APP

Starting metastore schema initialization to 3.1.0

Initialization script hive-schema-3.1.0.derby.sql

Initialization script completed

schemaTool completed

hdoop@admin1-HP-280-G4-MT-Business-PC:~/apache-hive-3.1.2-bin/conf$ hive

SLF4J: Class path contains multiple SLF4J bindings.

SLF4J: Found binding in [jar:file:/home/hdoop/apache-hive-3.1.2-bin/lib/log4j-slf4j-impl-2.10.0.jar!/org/slf4j/impl/StaticLoggerBinder.class]

SLF4J: Found binding in [jar:file:/home/hdoop/hadoop-3.2.1/share/hadoop/common/lib/slf4j-log4j12-1.7.25.jar!/org/slf4j/impl/StaticLoggerBinder.class]

SLF4J: See http://www.slf4j.org/codes.html#multiple\_bindings for an explanation.

SLF4J: Actual binding is of type [org.apache.logging.slf4j.Log4jLoggerFactory]

Hive Session ID = 107a82a3-1ff7-47df-bcd1-169a34946722

Logging initialized using configuration in jar:file:/home/hdoop/apache-hive-3.1.2-bin/lib/hive-common-3.1.2.jar!/hive-log4j2.properties Async: true

Hive Session ID = 34ef232e-2a50-4c8c-bcbf-ec0eb4159198

Hive-on-MR is deprecated in Hive 2 and may not be available in the future versions. Consider using a different execution engine (i.e. spark, tez) or using Hive 1.X releases.

hive> show databases;

OK

default

Time taken: 0.45 seconds, Fetched: 1 row(s)

hive> create database if not exists sahanaSales\_db

> hdoop@admin1-HP-280-G4-MT-Business-PC:~/apache-hive-3.1.2-bin/conf$ hive

SLF4J: Class path contains multiple SLF4J bindings.

SLF4J: Found binding in [jar:file:/home/hdoop/apache-hive-3.1.2-bin/lib/log4j-slf4j-impl-2.10.0.jar!/org/slf4j/impl/StaticLoggerBinder.class]

SLF4J: Found binding in [jar:file:/home/hdoop/hadoop-3.2.1/share/hadoop/common/lib/slf4j-log4j12-1.7.25.jar!/org/slf4j/impl/StaticLoggerBinder.class]

SLF4J: See http://www.slf4j.org/codes.html#multiple\_bindings for an explanation.

SLF4J: Actual binding is of type [org.apache.logging.slf4j.Log4jLoggerFactory]

Hive Session ID = 518da579-1b8d-4327-aea1-bcfb0381cadb

Logging initialized using configuration in jar:file:/home/hdoop/apache-hive-3.1.2-bin/lib/hive-common-3.1.2.jar!/hive-log4j2.properties Async: true

Hive Session ID = 2bf179f3-46ab-42f6-b63e-b4ebf03b50c1

Hive-on-MR is deprecated in Hive 2 and may not be available in the future versions. Consider using a different execution engine (i.e. spark, tez) or using Hive 1.X releases.

hive> create database if not exists sahanaSales\_db;

OK

Time taken: 0.512 seconds

hive> use sahanaSales;

FAILED: SemanticException [Error 10072]: Database does not exist: sahanaSales

hive> use sahanaSales\_db;

OK

Time taken: 0.014 seconds

hive> create table sales(product string,price int,payment\_type string,name string,city string,state string,country string);

OK

Time taken: 0.537 seconds

hive> desc sales;

OK

product string

price int

payment\_type string

name string

city string

state string

country string

Time taken: 0.171 seconds, Fetched: 7 row(s)

hive> insert into sales values('product200',1000,'Visa','Kumar',Astoria','California','USA');

NoViableAltException(379@[423:1: atomExpression : ( constant | ( intervalExpression )=> intervalExpression | castExpression | extractExpression | floorExpression | caseExpression | whenExpression | ( subQueryExpression )=> ( subQueryExpression ) -> ^( TOK\_SUBQUERY\_EXPR TOK\_SUBQUERY\_OP subQueryExpression ) | ( functionName LPAREN )=> function | tableOrColumn | expressionsInParenthesis[true, false] );])

at org.apache.hadoop.hive.ql.parse.HiveParser\_IdentifiersParser$DFA36.specialStateTransition(HiveParser\_IdentifiersParser.java:34559)

at org.antlr.runtime.DFA.predict(DFA.java:80)

at org.apache.hadoop.hive.ql.parse.HiveParser\_IdentifiersParser.atomExpression(HiveParser\_IdentifiersParser.java:6930)

at org.apache.hadoop.hive.ql.parse.HiveParser\_IdentifiersParser.precedenceFieldExpression(HiveParser\_IdentifiersParser.java:7172)

at org.apache.hadoop.hive.ql.parse.HiveParser\_IdentifiersParser.precedenceUnaryPrefixExpression(HiveParser\_IdentifiersParser.java:7671)

at org.apache.hadoop.hive.ql.parse.HiveParser\_IdentifiersParser.precedenceUnarySuffixExpression(HiveParser\_IdentifiersParser.java:7727)

at org.apache.hadoop.hive.ql.parse.HiveParser\_IdentifiersParser.precedenceBitwiseXorExpression(HiveParser\_IdentifiersParser.java:7889)

at org.apache.hadoop.hive.ql.parse.HiveParser\_IdentifiersParser.precedenceStarExpression(HiveParser\_IdentifiersParser.java:8032)

at org.apache.hadoop.hive.ql.parse.HiveParser\_IdentifiersParser.precedencePlusExpression(HiveParser\_IdentifiersParser.java:8175)

at org.apache.hadoop.hive.ql.parse.HiveParser\_IdentifiersParser.precedenceConcatenateExpression(HiveParser\_IdentifiersParser.java:8314)

at org.apache.hadoop.hive.ql.parse.HiveParser\_IdentifiersParser.precedenceAmpersandExpression(HiveParser\_IdentifiersParser.java:8524)

at org.apache.hadoop.hive.ql.parse.HiveParser\_IdentifiersParser.precedenceBitwiseOrExpression(HiveParser\_IdentifiersParser.java:8661)

at org.apache.hadoop.hive.ql.parse.HiveParser\_IdentifiersParser.precedenceSimilarExpressionMain(HiveParser\_IdentifiersParser.java:9144)

at org.apache.hadoop.hive.ql.parse.HiveParser\_IdentifiersParser.precedenceSimilarExpression(HiveParser\_IdentifiersParser.java:9040)

at org.apache.hadoop.hive.ql.parse.HiveParser\_IdentifiersParser.precedenceEqualExpression(HiveParser\_IdentifiersParser.java:10254)

at org.apache.hadoop.hive.ql.parse.HiveParser\_IdentifiersParser.precedenceNotExpression(HiveParser\_IdentifiersParser.java:10541)

at org.apache.hadoop.hive.ql.parse.HiveParser\_IdentifiersParser.precedenceAndExpression(HiveParser\_IdentifiersParser.java:10650)

at org.apache.hadoop.hive.ql.parse.HiveParser\_IdentifiersParser.precedenceOrExpression(HiveParser\_IdentifiersParser.java:10791)

at org.apache.hadoop.hive.ql.parse.HiveParser\_IdentifiersParser.expression(HiveParser\_IdentifiersParser.java:6870)

at org.apache.hadoop.hive.ql.parse.HiveParser\_IdentifiersParser.expressionPart(HiveParser\_IdentifiersParser.java:2494)

at org.apache.hadoop.hive.ql.parse.HiveParser\_IdentifiersParser.expressionsNotInParenthesis(HiveParser\_IdentifiersParser.java:2380)

at org.apache.hadoop.hive.ql.parse.HiveParser\_IdentifiersParser.expressionsInParenthesis(HiveParser\_IdentifiersParser.java:2311)

at org.apache.hadoop.hive.ql.parse.HiveParser.expressionsInParenthesis(HiveParser.java:45260)

at org.apache.hadoop.hive.ql.parse.HiveParser\_FromClauseParser.valueRowConstructor(HiveParser\_FromClauseParser.java:6214)

at org.apache.hadoop.hive.ql.parse.HiveParser\_FromClauseParser.valuesTableConstructor(HiveParser\_FromClauseParser.java:6131)

at org.apache.hadoop.hive.ql.parse.HiveParser\_FromClauseParser.valuesClause(HiveParser\_FromClauseParser.java:6045)

at org.apache.hadoop.hive.ql.parse.HiveParser.valuesClause(HiveParser.java:45342)

at org.apache.hadoop.hive.ql.parse.HiveParser.regularBody(HiveParser.java:39614)

at org.apache.hadoop.hive.ql.parse.HiveParser.queryStatementExpressionBody(HiveParser.java:38900)

at org.apache.hadoop.hive.ql.parse.HiveParser.queryStatementExpression(HiveParser.java:38788)

at org.apache.hadoop.hive.ql.parse.HiveParser.execStatement(HiveParser.java:2396)

at org.apache.hadoop.hive.ql.parse.HiveParser.statement(HiveParser.java:1420)

at org.apache.hadoop.hive.ql.parse.ParseDriver.parse(ParseDriver.java:220)

at org.apache.hadoop.hive.ql.parse.ParseUtils.parse(ParseUtils.java:74)

at org.apache.hadoop.hive.ql.parse.ParseUtils.parse(ParseUtils.java:67)

at org.apache.hadoop.hive.ql.Driver.compile(Driver.java:616)

at org.apache.hadoop.hive.ql.Driver.compileInternal(Driver.java:1826)

at org.apache.hadoop.hive.ql.Driver.compileAndRespond(Driver.java:1773)

at org.apache.hadoop.hive.ql.Driver.compileAndRespond(Driver.java:1768)

at org.apache.hadoop.hive.ql.reexec.ReExecDriver.compileAndRespond(ReExecDriver.java:126)

at org.apache.hadoop.hive.ql.reexec.ReExecDriver.run(ReExecDriver.java:214)

at org.apache.hadoop.hive.cli.CliDriver.processLocalCmd(CliDriver.java:239)

at org.apache.hadoop.hive.cli.CliDriver.processCmd(CliDriver.java:188)

at org.apache.hadoop.hive.cli.CliDriver.processLine(CliDriver.java:402)

at org.apache.hadoop.hive.cli.CliDriver.executeDriver(CliDriver.java:821)

at org.apache.hadoop.hive.cli.CliDriver.run(CliDriver.java:759)

at org.apache.hadoop.hive.cli.CliDriver.main(CliDriver.java:683)

at sun.reflect.NativeMethodAccessorImpl.invoke0(Native Method)

at sun.reflect.NativeMethodAccessorImpl.invoke(NativeMethodAccessorImpl.java:62)

at sun.reflect.DelegatingMethodAccessorImpl.invoke(DelegatingMethodAccessorImpl.java:43)

at java.lang.reflect.Method.invoke(Method.java:498)

at org.apache.hadoop.util.RunJar.run(RunJar.java:323)

at org.apache.hadoop.util.RunJar.main(RunJar.java:236)

FAILED: ParseException line 1:65 cannot recognize input near 'Astoria' '','' 'California' in expression specification

hive> insert into sales values('product200',1000,'Visa','Kumar','Astoria','California','USA');

Query ID = hdoop\_20220628100043\_d66a8e09-65e1-432e-975c-cbc892c580c2

Total jobs = 3

Launching Job 1 out of 3

Number of reduce tasks determined at compile time: 1

In order to change the average load for a reducer (in bytes):

set hive.exec.reducers.bytes.per.reducer=<number>

In order to limit the maximum number of reducers:

set hive.exec.reducers.max=<number>

In order to set a constant number of reducers:

set mapreduce.job.reduces=<number>

Starting Job = job\_1656388177213\_0001, Tracking URL = http://admin1-HP-280-G4-MT-Business-PC:8088/proxy/application\_1656388177213\_0001/

Kill Command = /home/hdoop/hadoop-3.2.1/bin/mapred job -kill job\_1656388177213\_0001

Hadoop job information for Stage-1: number of mappers: 1; number of reducers: 1

2022-06-28 10:00:52,984 Stage-1 map = 0%, reduce = 0%

2022-06-28 10:00:58,144 Stage-1 map = 100%, reduce = 0%, Cumulative CPU 2.3 sec

2022-06-28 10:01:02,278 Stage-1 map = 100%, reduce = 100%, Cumulative CPU 3.6 sec

MapReduce Total cumulative CPU time: 3 seconds 600 msec

Ended Job = job\_1656388177213\_0001

Stage-4 is selected by condition resolver.

Stage-3 is filtered out by condition resolver.

Stage-5 is filtered out by condition resolver.

Moving data to directory hdfs://127.0.0.1:9000/user/hive/warehouse/sahanasales\_db.db/sales/.hive-staging\_hive\_2022-06-28\_10-00-43\_624\_9123024967332854197-1/-ext-10000

Loading data to table sahanasales\_db.sales

MapReduce Jobs Launched:

Stage-Stage-1: Map: 1 Reduce: 1 Cumulative CPU: 3.6 sec HDFS Read: 21675 HDFS Write: 470 SUCCESS

Total MapReduce CPU Time Spent: 3 seconds 600 msec

OK

Time taken: 20.273 seconds

hive> insert into sales values('product201',5000,'Mastercard','Satya','Banglore','Karnataka','India');

Query ID = hdoop\_20220628100335\_6038a660-3326-492a-a405-11c869f7a0c7

Total jobs = 3

Launching Job 1 out of 3

Number of reduce tasks determined at compile time: 1

In order to change the average load for a reducer (in bytes):

set hive.exec.reducers.bytes.per.reducer=<number>

In order to limit the maximum number of reducers:

set hive.exec.reducers.max=<number>

In order to set a constant number of reducers:

set mapreduce.job.reduces=<number>

Starting Job = job\_1656388177213\_0002, Tracking URL = http://admin1-HP-280-G4-MT-Business-PC:8088/proxy/application\_1656388177213\_0002/

Kill Command = /home/hdoop/hadoop-3.2.1/bin/mapred job -kill job\_1656388177213\_0002

Hadoop job information for Stage-1: number of mappers: 1; number of reducers: 1

2022-06-28 10:03:42,294 Stage-1 map = 0%, reduce = 0%

2022-06-28 10:03:46,403 Stage-1 map = 100%, reduce = 0%, Cumulative CPU 2.31 sec

2022-06-28 10:03:50,494 Stage-1 map = 100%, reduce = 100%, Cumulative CPU 3.57 sec

MapReduce Total cumulative CPU time: 3 seconds 570 msec

Ended Job = job\_1656388177213\_0002

Stage-4 is selected by condition resolver.

Stage-3 is filtered out by condition resolver.

Stage-5 is filtered out by condition resolver.

Moving data to directory hdfs://127.0.0.1:9000/user/hive/warehouse/sahanasales\_db.db/sales/.hive-staging\_hive\_2022-06-28\_10-03-35\_254\_3348967072596086640-1/-ext-10000

Loading data to table sahanasales\_db.sales

MapReduce Jobs Launched:

Stage-Stage-1: Map: 1 Reduce: 1 Cumulative CPU: 3.57 sec HDFS Read: 21733 HDFS Write: 478 SUCCESS

Total MapReduce CPU Time Spent: 3 seconds 570 msec

OK

Time taken: 18.67 seconds

hive> insert into sales values('product202',4000,'Mastercard','Krishna','Banglore','Karnataka','India');

Query ID = hdoop\_20220628100454\_caf29325-caec-4bb0-b113-593dc78a1ae3

Total jobs = 3

Launching Job 1 out of 3

Number of reduce tasks determined at compile time: 1

In order to change the average load for a reducer (in bytes):

set hive.exec.reducers.bytes.per.reducer=<number>

In order to limit the maximum number of reducers:

set hive.exec.reducers.max=<number>

In order to set a constant number of reducers:

set mapreduce.job.reduces=<number>

Starting Job = job\_1656388177213\_0003, Tracking URL = http://admin1-HP-280-G4-MT-Business-PC:8088/proxy/application\_1656388177213\_0003/

Kill Command = /home/hdoop/hadoop-3.2.1/bin/mapred job -kill job\_1656388177213\_0003

Hadoop job information for Stage-1: number of mappers: 1; number of reducers: 1

2022-06-28 10:05:00,326 Stage-1 map = 0%, reduce = 0%

2022-06-28 10:05:04,429 Stage-1 map = 100%, reduce = 0%, Cumulative CPU 2.23 sec

2022-06-28 10:05:09,554 Stage-1 map = 100%, reduce = 100%, Cumulative CPU 3.5 sec

MapReduce Total cumulative CPU time: 3 seconds 500 msec

Ended Job = job\_1656388177213\_0003

Stage-4 is selected by condition resolver.

Stage-3 is filtered out by condition resolver.

Stage-5 is filtered out by condition resolver.

Moving data to directory hdfs://127.0.0.1:9000/user/hive/warehouse/sahanasales\_db.db/sales/.hive-staging\_hive\_2022-06-28\_10-04-54\_070\_8631434237391656458-1/-ext-10000

Loading data to table sahanasales\_db.sales

MapReduce Jobs Launched:

Stage-Stage-1: Map: 1 Reduce: 1 Cumulative CPU: 3.5 sec HDFS Read: 21747 HDFS Write: 480 SUCCESS

Total MapReduce CPU Time Spent: 3 seconds 500 msec

OK

Time taken: 16.767 seconds

hive> insert into sales values('product203',1500,'Mastercard','Mary','Seattle','Washington','USA');

Query ID = hdoop\_20220628100855\_d3df2fb7-1912-4d51-abec-d2164a88e59c

Total jobs = 3

Launching Job 1 out of 3

Number of reduce tasks determined at compile time: 1

In order to change the average load for a reducer (in bytes):

set hive.exec.reducers.bytes.per.reducer=<number>

In order to limit the maximum number of reducers:

set hive.exec.reducers.max=<number>

In order to set a constant number of reducers:

set mapreduce.job.reduces=<number>

Starting Job = job\_1656388177213\_0004, Tracking URL = http://admin1-HP-280-G4-MT-Business-PC:8088/proxy/application\_1656388177213\_0004/

Kill Command = /home/hdoop/hadoop-3.2.1/bin/mapred job -kill job\_1656388177213\_0004

Hadoop job information for Stage-1: number of mappers: 1; number of reducers: 1

2022-06-28 10:09:02,146 Stage-1 map = 0%, reduce = 0%

2022-06-28 10:09:06,285 Stage-1 map = 100%, reduce = 0%, Cumulative CPU 2.43 sec

2022-06-28 10:09:11,393 Stage-1 map = 100%, reduce = 100%, Cumulative CPU 3.47 sec

MapReduce Total cumulative CPU time: 3 seconds 470 msec

Ended Job = job\_1656388177213\_0004

Stage-4 is selected by condition resolver.

Stage-3 is filtered out by condition resolver.

Stage-5 is filtered out by condition resolver.

Moving data to directory hdfs://127.0.0.1:9000/user/hive/warehouse/sahanasales\_db.db/sales/.hive-staging\_hive\_2022-06-28\_10-08-55\_067\_4862528973053550478-1/-ext-10000

Loading data to table sahanasales\_db.sales

MapReduce Jobs Launched:

Stage-Stage-1: Map: 1 Reduce: 1 Cumulative CPU: 3.47 sec HDFS Read: 21732 HDFS Write: 477 SUCCESS

Total MapReduce CPU Time Spent: 3 seconds 470 msec

OK

Time taken: 17.651 seconds

hive> insert into sales values('product204',3600,'Mastercard','Suzy','Toranto','Ontario','Canada');

Query ID = hdoop\_20220628101044\_522a73cf-3078-453a-bf08-1003a43b2492

Total jobs = 3

Launching Job 1 out of 3

Number of reduce tasks determined at compile time: 1

In order to change the average load for a reducer (in bytes):

set hive.exec.reducers.bytes.per.reducer=<number>

In order to limit the maximum number of reducers:

set hive.exec.reducers.max=<number>

In order to set a constant number of reducers:

set mapreduce.job.reduces=<number>

Starting Job = job\_1656388177213\_0005, Tracking URL = http://admin1-HP-280-G4-MT-Business-PC:8088/proxy/application\_1656388177213\_0005/

Kill Command = /home/hdoop/hadoop-3.2.1/bin/mapred job -kill job\_1656388177213\_0005

Hadoop job information for Stage-1: number of mappers: 1; number of reducers: 1

2022-06-28 10:10:50,650 Stage-1 map = 0%, reduce = 0%

2022-06-28 10:10:54,754 Stage-1 map = 100%, reduce = 0%, Cumulative CPU 2.37 sec

2022-06-28 10:10:58,828 Stage-1 map = 100%, reduce = 100%, Cumulative CPU 3.43 sec

MapReduce Total cumulative CPU time: 3 seconds 430 msec

Ended Job = job\_1656388177213\_0005

Stage-4 is selected by condition resolver.

Stage-3 is filtered out by condition resolver.

Stage-5 is filtered out by condition resolver.

Moving data to directory hdfs://127.0.0.1:9000/user/hive/warehouse/sahanasales\_db.db/sales/.hive-staging\_hive\_2022-06-28\_10-10-44\_815\_2304909476651634775-1/-ext-10000

Loading data to table sahanasales\_db.sales

MapReduce Jobs Launched:

Stage-Stage-1: Map: 1 Reduce: 1 Cumulative CPU: 3.43 sec HDFS Read: 21730 HDFS Write: 475 SUCCESS

Total MapReduce CPU Time Spent: 3 seconds 430 msec

OK

Time taken: 16.32 seconds

hive> insert into sales values('product205',3000,'Visa','Limka','Astoria','California','USA');

Query ID = hdoop\_20220628101145\_ec94cfe6-0877-43da-99b1-deb9c99187c9

Total jobs = 3

Launching Job 1 out of 3

Number of reduce tasks determined at compile time: 1

In order to change the average load for a reducer (in bytes):

set hive.exec.reducers.bytes.per.reducer=<number>

In order to limit the maximum number of reducers:

set hive.exec.reducers.max=<number>

In order to set a constant number of reducers:

set mapreduce.job.reduces=<number>

Starting Job = job\_1656388177213\_0006, Tracking URL = http://admin1-HP-280-G4-MT-Business-PC:8088/proxy/application\_1656388177213\_0006/

Kill Command = /home/hdoop/hadoop-3.2.1/bin/mapred job -kill job\_1656388177213\_0006

Hadoop job information for Stage-1: number of mappers: 1; number of reducers: 1

2022-06-28 10:11:51,601 Stage-1 map = 0%, reduce = 0%

2022-06-28 10:11:55,719 Stage-1 map = 100%, reduce = 0%, Cumulative CPU 2.31 sec

2022-06-28 10:12:00,836 Stage-1 map = 100%, reduce = 100%, Cumulative CPU 3.36 sec

MapReduce Total cumulative CPU time: 3 seconds 360 msec

Ended Job = job\_1656388177213\_0006

Stage-4 is selected by condition resolver.

Stage-3 is filtered out by condition resolver.

Stage-5 is filtered out by condition resolver.

Moving data to directory hdfs://127.0.0.1:9000/user/hive/warehouse/sahanasales\_db.db/sales/.hive-staging\_hive\_2022-06-28\_10-11-46\_007\_8350398968838208742-1/-ext-10000

Loading data to table sahanasales\_db.sales

MapReduce Jobs Launched:

Stage-Stage-1: Map: 1 Reduce: 1 Cumulative CPU: 3.36 sec HDFS Read: 21710 HDFS Write: 470 SUCCESS

Total MapReduce CPU Time Spent: 3 seconds 360 msec

OK

Time taken: 17.176 seconds

hive> select \* from sales;

OK

product200 1000 Visa Kumar Astoria California USA

product201 5000 Mastercard Satya Banglore Karnataka India

product202 4000 Mastercard Krishna Banglore Karnataka India

product203 1500 Mastercard Mary Seattle Washington USA

product204 3600 Mastercard Suzy Toranto Ontario Canada

product205 3000 Visa Limka Astoria California USA

Time taken: 0.153 seconds, Fetched: 6 row(s)

hive> create table salest(Product string,Price int,Payment\_Type string,Name string,City string,State string,Country string);

OK

Time taken: 0.058 seconds

hive> load data local impath '/home/hdoop/Desktop/sales.csv

> hdoop@admin1-HP-280-G4-MT-Business-PC:~/apache-hive-3.1.2-bin/conf$ hive

SLF4J: Class path contains multiple SLF4J bindings.

SLF4J: Found binding in [jar:file:/home/hdoop/apache-hive-3.1.2-bin/lib/log4j-slf4j-impl-2.10.0.jar!/org/slf4j/impl/StaticLoggerBinder.class]

SLF4J: Found binding in [jar:file:/home/hdoop/hadoop-3.2.1/share/hadoop/common/lib/slf4j-log4j12-1.7.25.jar!/org/slf4j/impl/StaticLoggerBinder.class]

SLF4J: See http://www.slf4j.org/codes.html#multiple\_bindings for an explanation.

SLF4J: Actual binding is of type [org.apache.logging.slf4j.Log4jLoggerFactory]

^[[AHive Session ID = 7102b1e9-e279-4b8c-94b9-06986e2e97b9

Logging initialized using configuration in jar:file:/home/hdoop/apache-hive-3.1.2-bin/lib/hive-common-3.1.2.jar!/hive-log4j2.properties Async: true

Hive Session ID = 0d5bef56-f1f2-4ce7-a94e-001b179cc5fe

Hive-on-MR is deprecated in Hive 2 and may not be available in the future versions. Consider using a different execution engine (i.e. spark, tez) or using Hive 1.X releases.

hive> show databases;

OK

default

sahanasales\_db

Time taken: 0.46 seconds, Fetched: 2 row(s)

hive> use sahanaSales\_db;

OK

Time taken: 0.018 seconds

hive> select \* from sales;

OK

product200 1000 Visa Kumar Astoria California USA

product201 5000 Mastercard Satya Banglore Karnataka India

product202 4000 Mastercard Krishna Banglore Karnataka India

product203 1500 Mastercard Mary Seattle Washington USA

product204 3600 Mastercard Suzy Toranto Ontario Canada

product205 3000 Visa Limka Astoria California USA

hive> select \* from sales;

OK

product200 1000 Visa Kumar Astoria California USA

product201 5000 Mastercard Satya Banglore Karnataka India

product202 4000 Mastercard Krishna Banglore Karnataka India

product203 1500 Mastercard Mary Seattle Washington USA

product204 3600 Mastercard Suzy Toranto Ontario Canada

product205 3000 Visa Limka Astoria California USA

Time taken: 0.122 seconds, Fetched: 6 row(s)

hive> select max(price) from sales;

OK

5000

Time taken: 0.409 seconds, Fetched: 1 row(s)

2.hive> select count(\*) as count,country from sales group by country;

Query ID = hdoop\_20220628104214\_3856ab99-fc32-4c22-9f9e-be9d17ffe6e7

Total jobs = 1

Launching Job 1 out of 1

Number of reduce tasks not specified. Estimated from input data size: 1

In order to change the average load for a reducer (in bytes):

set hive.exec.reducers.bytes.per.reducer=<number>

In order to limit the maximum number of reducers:

set hive.exec.reducers.max=<number>

In order to set a constant number of reducers:

set mapreduce.job.reduces=<number>

Starting Job = job\_1656388177213\_0009, Tracking URL = http://admin1-HP-280-G4-MT-Business-PC:8088/proxy/application\_1656388177213\_0009/

Kill Command = /home/hdoop/hadoop-3.2.1/bin/mapred job -kill job\_1656388177213\_0009

Hadoop job information for Stage-1: number of mappers: 1; number of reducers: 1

2022-06-28 10:42:22,097 Stage-1 map = 0%, reduce = 0%

2022-06-28 10:42:26,221 Stage-1 map = 100%, reduce = 0%, Cumulative CPU 1.35 sec

2022-06-28 10:42:30,301 Stage-1 map = 100%, reduce = 100%, Cumulative CPU 2.57 sec

MapReduce Total cumulative CPU time: 2 seconds 570 msec

Ended Job = job\_1656388177213\_0009

MapReduce Jobs Launched:

Stage-Stage-1: Map: 1 Reduce: 1 Cumulative CPU: 2.57 sec HDFS Read: 14778 HDFS Write: 146 SUCCESS

Total MapReduce CPU Time Spent: 2 seconds 570 msec

OK

1 Canada

2 India

3 USA

Time taken: 17.44 seconds, Fetched: 3 row(s)

3.hive> select count(\*) as count,state from sales group by state;

Query ID = hdoop\_20220628104436\_76eec67c-fb2a-41c3-8947-94f84a2ed972

Total jobs = 1

Launching Job 1 out of 1

Number of reduce tasks not specified. Estimated from input data size: 1

In order to change the average load for a reducer (in bytes):

set hive.exec.reducers.bytes.per.reducer=<number>

In order to limit the maximum number of reducers:

set hive.exec.reducers.max=<number>

In order to set a constant number of reducers:

set mapreduce.job.reduces=<number>

Starting Job = job\_1656388177213\_0010, Tracking URL = http://admin1-HP-280-G4-MT-Business-PC:8088/proxy/application\_1656388177213\_0010/

Kill Command = /home/hdoop/hadoop-3.2.1/bin/mapred job -kill job\_1656388177213\_0010

Hadoop job information for Stage-1: number of mappers: 1; number of reducers: 1

2022-06-28 10:44:41,812 Stage-1 map = 0%, reduce = 0%

2022-06-28 10:44:45,917 Stage-1 map = 100%, reduce = 0%, Cumulative CPU 1.35 sec

2022-06-28 10:44:51,056 Stage-1 map = 100%, reduce = 100%, Cumulative CPU 2.76 sec

MapReduce Total cumulative CPU time: 2 seconds 760 msec

Ended Job = job\_1656388177213\_0010

MapReduce Jobs Launched:

Stage-Stage-1: Map: 1 Reduce: 1 Cumulative CPU: 2.76 sec HDFS Read: 14883 HDFS Write: 183 SUCCESS

Total MapReduce CPU Time Spent: 2 seconds 760 msec

OK

2 California

2 Karnataka

1 Ontario

1 Washington

Time taken: 15.209 seconds, Fetched: 4 row(s)

4.hive> select product,name from sales group by product,name;

Query ID = hdoop\_20220628104613\_81a2809a-87fa-409e-a688-e815061c7eb1

Total jobs = 1

Launching Job 1 out of 1

Number of reduce tasks not specified. Estimated from input data size: 1

In order to change the average load for a reducer (in bytes):

set hive.exec.reducers.bytes.per.reducer=<number>

In order to limit the maximum number of reducers:

set hive.exec.reducers.max=<number>

In order to set a constant number of reducers:

set mapreduce.job.reduces=<number>

Starting Job = job\_1656388177213\_0011, Tracking URL = http://admin1-HP-280-G4-MT-Business-PC:8088/proxy/application\_1656388177213\_0011/

Kill Command = /home/hdoop/hadoop-3.2.1/bin/mapred job -kill job\_1656388177213\_0011

Hadoop job information for Stage-1: number of mappers: 1; number of reducers: 1

2022-06-28 10:46:19,751 Stage-1 map = 0%, reduce = 0%

2022-06-28 10:46:23,887 Stage-1 map = 100%, reduce = 0%, Cumulative CPU 1.26 sec

2022-06-28 10:46:29,057 Stage-1 map = 100%, reduce = 100%, Cumulative CPU 2.61 sec

MapReduce Total cumulative CPU time: 2 seconds 610 msec

Ended Job = job\_1656388177213\_0011

MapReduce Jobs Launched:

Stage-Stage-1: Map: 1 Reduce: 1 Cumulative CPU: 2.61 sec HDFS Read: 13799 HDFS Write: 261 SUCCESS

Total MapReduce CPU Time Spent: 2 seconds 610 msec

OK

product200 Kumar

product201 Satya

product202 Krishna

product203 Mary

product204 Suzy

product205 Limka

Time taken: 16.595 seconds, Fetched: 6 row(s)

5.hive> create view visa as select \*from sales where payment\_type='Visa';

OK

Time taken: 0

hive> select \*from visa;

OK

product200 1000 Visa Kumar Astoria California USA

product205 3000 Visa Limka Astoria California USA

Time taken: 0.123 seconds, Fetched: 2 row(s)

6.hive> create view master as select \* from sales where payment\_type='Mastercard';

OK

Time taken: 0.122 seconds

hive> select \*from master;

OK

product201 5000 Mastercard Satya Banglore Karnataka India

product202 4000 Mastercard Krishna Banglore Karnataka India

product203 1500 Mastercard Mary Seattle Washington USA

product204 3600 Mastercard Suzy Toranto Ontario Canada

Time taken: 0.091 seconds, Fetched: 4 row(s)

7.hive> select price from sales where city='Seattle';

OK

1500

8.hive> select max(price) from sales where state='Ontario' group by city;

Query ID = hdoop\_20220628105418\_82df9041-6d79-45d0-978a-ec8ae1374098

Total jobs = 1

Launching Job 1 out of 1

Number of reduce tasks not specified. Estimated from input data size: 1

In order to change the average load for a reducer (in bytes):

set hive.exec.reducers.bytes.per.reducer=<number>

In order to limit the maximum number of reducers:

set hive.exec.reducers.max=<number>

In order to set a constant number of reducers:

set mapreduce.job.reduces=<number>

Starting Job = job\_1656388177213\_0012, Tracking URL = http://admin1-HP-280-G4-MT-Business-PC:8088/proxy/application\_1656388177213\_0012/

Kill Command = /home/hdoop/hadoop-3.2.1/bin/mapred job -kill job\_1656388177213\_0012

Hadoop job information for Stage-1: number of mappers: 1; number of reducers: 1

2022-06-28 10:54:23,595 Stage-1 map = 0%, reduce = 0%

2022-06-28 10:54:27,714 Stage-1 map = 100%, reduce = 0%, Cumulative CPU 2.32 sec

2022-06-28 10:54:32,835 Stage-1 map = 100%, reduce = 100%, Cumulative CPU 3.89 sec

MapReduce Total cumulative CPU time: 3 seconds 890 msec

Ended Job = job\_1656388177213\_0012

MapReduce Jobs Launched:

Stage-Stage-1: Map: 1 Reduce: 1 Cumulative CPU: 3.89 sec HDFS Read: 16052 HDFS Write: 104 SUCCESS

Total MapReduce CPU Time Spent: 3 seconds 890 msec

OK

3600

8.hive> select count(\*) from sales where price between 1500 and 3600;

Query ID = hdoop\_20220628105808\_4dd71515-7939-424a-8739-1c813c99af68

Total jobs = 1

Launching Job 1 out of 1

Number of reduce tasks determined at compile time: 1

In order to change the average load for a reducer (in bytes):

set hive.exec.reducers.bytes.per.reducer=<number>

In order to limit the maximum number of reducers:

set hive.exec.reducers.max=<number>

In order to set a constant number of reducers:

set mapreduce.job.reduces=<number>

Starting Job = job\_1656388177213\_0014, Tracking URL = http://admin1-HP-280-G4-MT-Business-PC:8088/proxy/application\_1656388177213\_0014/

Kill Command = /home/hdoop/hadoop-3.2.1/bin/mapred job -kill job\_1656388177213\_0014

Hadoop job information for Stage-1: number of mappers: 1; number of reducers: 1

2022-06-28 10:58:14,022 Stage-1 map = 0%, reduce = 0%

2022-06-28 10:58:18,195 Stage-1 map = 100%, reduce = 0%, Cumulative CPU 2.49 sec

2022-06-28 10:58:22,275 Stage-1 map = 100%, reduce = 100%, Cumulative CPU 4.28 sec

MapReduce Total cumulative CPU time: 4 seconds 280 msec

Ended Job = job\_1656388177213\_0014

MapReduce Jobs Launched:

Stage-Stage-1: Map: 1 Reduce: 1 Cumulative CPU: 4.28 sec HDFS Read: 15899 HDFS Write: 101 SUCCESS

Total MapReduce CPU Time Spent: 4 seconds 280 msec

OK

3

hive> select \*from sales;

OK

product200 1000 Visa Kumar Astoria California USA

product201 5000 Mastercard Satya Banglore Karnataka India

product202 4000 Mastercard Krishna Banglore Karnataka India

product203 1500 Mastercard Mary Seattle Washington USA

product204 3600 Mastercard Suzy Toranto Ontario Canada

product205 3000 Visa Limka Astoria California USA

Time taken: 0.075 seconds, Fetched: 6 row(s)

hive> select \*from sales where country='USA' and payment\_type='Mastercard';

OK

product203 1500 Mastercard Mary Seattle Washington USA

Time taken: 0.129 seconds, Fetched: 1 row(s)