RAJALAKSHMI ENGINEERING COLLEGE [AUTONOMOUS]

RAJALAKSHMI NAGAR, THANDALAM _ 602 105



AI19741 - BIG DATA TECHNOLOGY

LABORATORY RECORD NOTEBOOK

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Semester: VII
Academic Year:2024-2025

RAJALAKSHMI ENGINEERING COLLEGE [AUTONOMOUS]

RAJALAKSHMI NAGAR, THANDALAM – 602 105

BONAFIDE CERTIFICATE

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Ex. No:1

Date: 9/8/2024

In stall at ion Of Hadoop Framework

AIM:

InstallationofHadoopFramework,it'scomponentsandstudytheHADOOP ecosystem

Hadoop is an open-source framework that allows to store and process big data in a distributed environment across clusters of computers using simple programming models. It is designed to scaleupfromsingleserverstothousandsofmachines, each offering local computation and storage.

HadoopArchitecture:

The Apache Hado opframework includes following four modules:

HadoopCommon:

Contains Java libraries and utilities needed by other Hadoop modules. These libraries give file system and OS level abstraction and comprise of the essential Java files and scripts that are required to start Hadoop.

Hadoop Distributed File System (HDFS): A distributed file-system that provides highthroughput access to application data on the community machines thus providing very high aggregate bandwidth across the cluster.

Hadoop YARN: A resource-management framework responsible for job scheduling and cluster resource management.

HadoopMapReduce: This is a YARN-based programming model for parallel processing of large data sets.

HadoopInstallationprocedure:

Step 1: Download and install Java

https://www.oracle.com/java/technologies/javase-downloads.html

Step 2: Download Hadoop

https://hadoop.apache.org/releases.html

Step3:SetEnvironmentVariables

Step4:SetupHadoop

oumustconfigureHadoopinthisphasebymodifyingseveralconfigurationfiles.Navigatetothe "etc/hadoop" folder in the Hadoop folder. You must make changes to three files:

```
core-site.xml
<configuration>
cproperty>
<name>fs.default.name</name>
<value>hdfs://localhost:9000</value>
</configuration>
hdfs-site.xml
<configuration>
cproperty>
<name>dfs.replication</name>
<value>1</value>
cproperty>
<name>dfs.namenode.name.dir</name>
<value>file:/hadoop-3.3.1/data/namenode</value>
cproperty>
<name>dfs.datanode.data.dir</name>
<value>file:/hadoop-3.3.1/data/datanode</value>
</configuration>
mapred-site.xml
<configuration>
cproperty>
<name>mapred.job.tracker</name>
<value>localhost:54311</value>
</configuration>
```

Step5:FormatHadoopNameN hadoopnamenode-format	ode		
Step6:StartHadoop			
start-all.cmd			
Step7:VerifyHadoopInstallati	ion		
http://localhost:50070/.			

Date: 23/8/2024

FileManagementtasksinHadoop

AIM:

ToperformvariousfileoperationinHDFS

Step1:AddingFilesandDirectoriestoHDFS

BeforerunningHadoopprogramsondatastoredinHDFS,thedataneedstobeaddedtoHDFS. Let's start by creating a directory and adding a file to it.

1. Createadirectoryin HDFS:

hadoopfs-mkdir/user/myfile

This command creates a new directory named my file in the /user directory in HDFS.

2. AddafiletoHDFS:

hadoopfs-puta.txt

This command uploads the file a.txt from the local filesystem to the root directory of HDFS.

3. Addthefiletothenewlycreated directory:

hadoopfs-puta.txt/user/myfile

This command uploads the file a.txt from the local filesystem directly into the /user/myfile directory in HDFS.

Step2:RetrievingFilesfromHDFS

TocopyfilesfromHDFS backtothelocalfilesystem, usethegetcommand. Here'showto retrieve a.txt:

hadoopfs-cata.txt

This command displays the contents of the file a.txt directly to the console. To actually copy the file to the local filesystem, you would use:

hadoopfs-geta.txt/local/path

Replace/local/pathwiththedesiredpathonyourlocalfilesystem.

Step3:DeletingFilesfromHDFS

TodeleteafilefromHDFS,usetherm command.Here'showtodeletea.txt:

hadoopfs-rma.txt

This command removes the file a.txt from HDFS.

Output

The successful execution of the above commands will result in the following:

- Creationofthe/ user/myfiledirectory in HDFS.
- Addition of a.txt to HDFS and then to /user/myfile
- Retrievalof a.txt fromHDFStothelocalfilesystem.
- Deletionofa.txt fromHDFS.

Ex. No:3	
Date: 30/8/2024	Implement word count program using Map Reduce

AIM:

ToimplementingdistinctwordcountproblemusingMap-Reduce

Thefunctionofthemapperisasfollows:

- Createa IntWritablevariable'one'withvalueas1
- ConverttheinputlineinTexttypeto aString
- Useatokenizertosplitthelineintowords
- IteratethrougheachwordandaformkeyvaluepairsasAssigneachworkfromthetokenizer (of String type) to a Text 'word'
- $\bullet \ Form key value pairs for each word as < word, one > and push it to the output \ collector$

Thefunction of Sortand Group:

Afterthis, "aggregation" and "Shuffling and Sorting "done by framework. Then

Reducers task these final pair to produce output.

Thefunctionofthereducerisas follows

- Initializeavariable'sum'as0
- Iteratethrough all thevalueswithrespecttoakeyandsumupallof them
- PushtotheoutputcollectortheKeyandtheobtainedsumasvalue For

Example:

Forthegivensampleinput1 datafile(input1.txt:Hello WorldByeWorld) mapperemits:

- <Hello,1>
- <World,1>
- <Bye,1>
- <World,1>

Thesecondinput2datafile(input2.txt:HelloHadoopGoodbyeHadoop)mapperemits:

<hello,1></hello,1>
<hadoop,1></hadoop,1>
<goodbye,1></goodbye,1>
<hadoop,1></hadoop,1>
Word Count also specifies a combiner. Hence, the output of each map is passed through the local part of the contraction of th
$combiner (which is same as the Reducer as per the job configuration) for local aggregation, after \\ being a part of the property of the prop$
sorted on the keys.
Theoutputofthefirst map:
<hello,1></hello,1>
<bye,1></bye,1>
<world,2></world,2>
Theoutputofthesecondmap:
<hello,1></hello,1>
<hadoop,2></hadoop,2>
<goodbye,1></goodbye,1>
$The Reducer implementation via the reduce method just sum supthevalues, which are the {\it occurence}$
counts for each key (i.e. words in this example).
Thustheoutputofthejobis:
<goodbye,1></goodbye,1>
<bye,1></bye,1>
<hello,2></hello,2>
<hadoop,2></hadoop,2>

<World,2>

Ex. No:4

Date: 6/9/2024

Map Reduce Program for Weather Report

AIM:

TowriteaMapReduceProgramtoanalyzetime-temperaturestatisticsandgeneratereportwith max/min temperature Weather Report POC.

PROGRAM:

```
// importing Libraries
importjava.io.IOException;
import java.util.Iterator;
import org.apache.hadoop.fs.Path;
import org.apache.hadoop.io.LongWritable;
import org.apache.hadoop.io.Text;
import org.apache.hadoop.mapreduce.lib.input.FileInputFormat;
import org.apache.hadoop.mapreduce.lib.output.FileOutputFormat;
import org.apache.hadoop.mapreduce.lib.output.TextOutputFormat;
import org.apache.hadoop.mapreduce.lib.input.TextInputFormat;
import org.apache.hadoop.mapreduce.Job;
import org.apache.hadoop.mapreduce.Mapper;
importorg.apache.hadoop.mapreduce.Reducer;
import org.apache.hadoop.conf.Configuration;

publicclass MyMaxMin {
```

//Mapper

```
/*MaxTemperatureMapperclassisstatic
* and extends Mapperabstract class
* havingfourHadoopgenerics type
* LongWritable,Text,Text,Text.
*/
public static class MaxTemperatureMapper extends
              Mapper<LongWritable,Text,Text,Text>{
       /**
       * @methodmap
       * Thismethod takestheinputasatextdatatype.
       * Nowleavingthefirstfivetokens, it takes
       * 6thtokenistakenastemp_max and
       * 7thtokenistakenastemp_min.Now
       * temp_max>30 andtemp_min <15 are
       * passedtothereducer.
       */
//thedatainourdatasetwith
//thisvalueisinconsistentdata
publicstaticfinalintMISSING=9999;
@Override
       publicvoidmap(LongWritablearg0,TextValue,Contextcontext) throws
                     IOException, InterruptedException {
      //Convertthesinglerow(Record)to
      //StringandstoreitinString
       //variablenameline
```

```
Stringline=Value.toString();
                     //Checkfortheemptyline
                     if(!(line.length()==0)) {
                            //fromcharacter6to14wehave
                            //thedateinourdataset
                             Stringdate=line.substring(6,14);
                            //similarlywehavetakenthemaximum
                            //temperaturefrom39to 45characters
                            floattemp_Max=Float.parseFloat(line.substring(39,45).trim());
                            //similarlywehavetakentheminimum
                            //temperaturefrom47to 53characters
                             floattemp_Min=Float.parseFloat(line.substring(47,53).trim());
                            //ifmaximumtemperatureis
                            //greaterthan30,itisahotday if
                            (temp_Max > 30.0) {
                                    //Hot day
                                    context.write(newText("TheDayisHotDay:"+ date),
                                                                        new
Text(String.valueOf(temp_Max)));
                            //iftheminimumtemperatureis
                            //less than15,it isacoldday
```

```
if(temp\_Min < 15){
                                    //Coldday
                                    context.write (new Text ("The Day is Cold Day:"+date), \, new \,
                                                   Text(String.valueOf(temp_Min)));
                      }
       }
//Reducer
       /*MaxTemperatureReducerclassisstatic
       and extends Reducer abstract class
       having four Hadoop generics type
       Text, Text, Text, Text.
       */
       publicstatic class MaxTemperatureReducer extends
                      Reducer<Text, Text, Text, Text> {
              /**
              * @methodreduce
              * Thismethodtakestheinputaskeyand
              * listofvaluespairfromthemapper,
              * itdoesaggregationbasedonkeys and
              * producesthefinalcontext.
              */
              publicvoidreduce(TextKey,Iterator<Text>Values,Contextcontext)
```

```
throwsIOException,InterruptedException{
              //puttingallthevaluesin
              //temperaturevariableoftypeString
              Stringtemperature= Values.next().toString();
              context.write(Key, new Text(temperature));
       }
}
/**
* @methodmain
* Thismethodisusedforsetting
* alltheconfigurationproperties.
* Itactsasadriverformap-reduce
* code.
*/
publicstaticvoid main(String[]args)throwsException {
       //readsthedefault configuration of the
       /\!/ cluster from the configuration XML files
       Configurationconf=newConfiguration();
       //Initializingthejobwith the
       //defaultconfigurationofthecluster
       Jobjob=newJob(conf,"weatherexample");
       // Assigning the driver class name
       job.setJarByClass(MyMaxMin.class);
       //Keytypecomingoutofmapper
```

```
job.setMapOutputKeyClass(Text.class);
// value type coming out of mapper
job.setMapOutputValueClass(Text.class);
// Defining the mapper class name
job.setMapperClass(MaxTemperatureMapper.class);
// Defining the reducer class name
job.setReducerClass(MaxTemperatureReducer.class);
//DefininginputFormat classwhichis
//responsibletoparsethedataset
// into a key value pair
job.setInputFormatClass(TextInputFormat.class);
//DefiningoutputFormatclasswhichis
//responsibletoparsethedataset
// into a key value pair
job.setOutputFormatClass(TextOutputFormat.class);
//settingthesecondargument
//asapathinapath variable
PathOutputPath=newPath(args[1]);
//Configuringtheinputpath
// from the filesystem into the job
FileInputFormat.addInputPath(job, new Path(args[0]));
//Configuringtheoutputpathfrom
//thefilesystemintothejob
```

```
FileOutputFormat.setOutputPath(job,newPath(args[1]));

//deletingthecontextpathautomatically
//fromhdfssothatwedon'thave
// to delete it explicitly
OutputPath.getFileSystem(conf).delete(OutputPath);

//exitingthejob onlyifthe
// flag value becomes false
System.exit(job.waitForCompletion(true)?0:1);

}
```

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HV		Λ		
Ex.	Τ.4	v		••

Date: 20/9/2024

Pig Latin scripts to sort ,group

AIM:

Towriteascript forsortingandgroupingofdata.

Studentdata:

 $Assume we have a file \textbf{student_data.txt} in HDFS with the following content.$

001, Rajiv, Reddy, 21, 9848022337, Hyderabad

002, siddarth, Battacharya, 22, 9848022338, Kolkata

003, Rajesh, Khanna, 22, 9848022339, Delhi

004, Preethi, Agarwal, 21, 9848022330, Pune

005, Trupthi, Mohanthy, 23,9848022336, Bhuwaneshwar

006, Archana, Mishra, 23, 9848022335, Chennai

007, Komal, Nayak, 24, 9848022334, trivendram

008, Bharathi, Nambiayar, 24, 9848022333, Chennai

Step1:

Loadand storethe studentdatainHDFS.

```
grunt>student=LOAD'hdfs://localhost:9000/pig_data/student_data.txt'USING
PigStorage(',')
as (id:int, firstname:chararray, lastname:chararray, phone:chararray,
city:chararray);
```

The ORDERBY operator is used to display the contents of a relation in a sorted order based on one or more fields. grunt>

Relation_name2 = ORDER Relatin_name1 BY (ASC|DESC);

 $Verify the relation {\bf order_by_data} using the {\bf DUMP} operator as shown below.$

grunt>Dumporder_by_data;

Output

 $It will produce the following output, displaying the contents of the relation {\bf order_by_data}.$

(8,Bharathi,Nambiayar,24,9848022333,Chennai)

```
(7,Komal,Nayak,24,9848022334,trivendram)
```

(6, Archana, Mishra, 23, 9848022335, Chennai)

(5,Trupthi,Mohanthy,23,9848022336,Bhuwaneshwar)

(3,Rajesh,Khanna,22,9848022339,Delhi)

(2,siddarth,Battacharya,22,9848022338,Kolkata)

(4,Preethi,Agarwal,21,9848022330,Pune)

(1,Rajiv,Reddy,21,9848022337,Hyderabad)

The **GROUP** operator is used to group the data in one or more relations. It collects the data having the same key. Given below is the syntax of the **group** operator.

Now,letusgrouptherecords/tuplesintherelationbyageasshownbelow. grunt> group_data = GROUP student_details by age;

Verifytherelationgroup_datausingtheDUMPoperatorasshownbelow. grunt>

Dump group_data;

Output:

```
(21,{(4,Preethi,Agarwal,21,9848022330,Pune),(1,Rajiv,Reddy,21,9848022337,Hydera bad)})
```

(22,{(3,Rajesh,Khanna,22,9848022339,Delhi),(2,siddarth,Battacharya,22,984802233 8,Kolkata)})

(23, {(6, Archana, Mishra, 23, 9848022335, Chennai), (5, Trupthi, Mohanthy, 23, 9848022336, Bhuwaneshwar)})

(24,{(8,Bharathi,Nambiayar,24,9848022333,Chennai),(7,Komal,Nayak,24,9848022334, trivendram)})

Ex.No:5.b

Date: 20/9/2024

Pig Latin scripts to project ,and filter your data

AIM:

Towriteascripttoperformingprojectand filtering.

 $The \mbox{\bf FILTER} operator is used to select the required tuples from a relation based on a condition.$

Givenbelowisthesyntaxofthe FILTER operator.

grunt> Relation2_name= FILTERRelation1_nameBY(condition);

student_details.txt

001, Rajiv, Reddy, 21, 9848022337, Hyderabad

002, siddarth, Battacharya, 22, 9848022338, Kolkata

003, Rajesh, Khanna, 22, 9848022339, Delhi

004, Preethi, Agarwal, 21, 9848022330, Pune

005, Trupthi, Mohanthy, 23,9848022336, Bhuwaneshwar

006, Archana, Mishra, 23, 9848022335, Chennai

007, Komal, Nayak, 24, 9848022334, trivendram

008, Bharathi, Nambiayar, 24,9848022333, Chennai

 $And we have loaded this file into Pig with the relation name \textbf{student_details} as shown below.$

grunt>student_details=LOAD'hdfs://localhost:9000/pig_data/student_details.txt'USINGPigStorage(',') as (id:int, firstname:chararray, lastname:chararray, age:int, phone:chararray, city:chararray);

Let us now use the Filter operator togethe details of the students who belong to the city Chennai.

filter_data=FILTERstudent_detailsBYcity=='Chennai';

Verification

Verifytherelation filter_datausing the DUMP operator as shown below.

grunt>Dumpfilter_data;

Output				
Itwillproducethefollowingo	output, displaying the contents	oftherelation filter_data a	asfollows.	
(6,Archana,Mishra,23,9848				
(8,Bharathi,Nambiayar,24,9	848022333,Chennai)			

Ex.No:6.a

Date: 4/10/2024

Hive Databases -> Tables ,Views

AIM:

TowriteascripttoHiveDatabases->Tables,Views,

CreateDatabaseStatement

CreateDatabaseisastatementusedtocreateadatabaseinHive.AdatabaseinHiveisa**namespace**oracollection of tables. The **syntax** for this statement is as follows:

CREATEDATABASE|SCHEMA[IFNOTEXISTS] < databasename>

Here, IF NOT EXISTS is an optional clause, which notifies the user that a database with the same name already exists. We can use SCHEMA in place of DATABASE in this command. The following query is executed to create a database named **user db**:

hive>CREATEDATABASE IFNOT EXISTS userdb;

or

hive>CREATESCHEMAuserdb;

The following query is used to verify a databases list:

hive>SHOWDATABASES;

default

userdb

JDBCProgram

The JDBC program to create a database is given below.

importjava.sql.SQLException;

import java.sql.Connection;

import java.sql.ResultSet;

import java.sql.Statement;

importjava.sql.DriverManager;

publicclassHiveCreateDb{

privatestaticStringdriverName="org.apache.hadoop.hive.jdbc.HiveDriver";

publicstaticvoidmain(String[]args)throwsSQLException{

```
//Registerdriverandcreatedriverinstance

Class.forName(driverName);
//getconnection

Connectioncon=DriverManager.getConnection("jdbc:hive://localhost:10000/default","");
Statement stmt = con.createStatement();

stmt.executeQuery("CREATE DATABASE userdb");
System.out.println("Database userdb created successfully.");

con.close();
}
```

SavetheprograminafilenamedHiveCreateDb.java.Thefollowingcommandsareusedtocompileandexecutethis program.

```
$javacHiveCreateDb.java
$javaHiveCreateDb
```

Output:

Databaseuserdbcreatedsuccessfully.

CreatingaView

You can create a view at the time of executing a SELECT statement. The syntax is as follows:

```
CREATEVIEW[IFNOTEXISTS]view_name[(column_name[COMMENTcolumn_comment],...)] [COMMENT table_comment]
ASSELECT...
```

Example

Let us take an example for view. Assume employee table as given below, with the fields Id, Name, Salary, Designation, and Dept. Generate aquery to retrieve the employee details who earn as a lary of more than Rs 30000. We store the result in a view named emp_30000.

```
+__+__+
                 |Designation |Dept|
|ID|Name
           Salary
+___+
           _+____
                  _+___+
                  |Technicalmanager|TP
|1201|Gopal
           45000
|1202|Manisha
            45000
                   Proofreader
                             |PR
|1203| Masthan vali| 40000
                    |Technicalwriter|TP
           |40000
|1204|Krian
                  Hr Admin
                            HR
|1205|Kranthi
           30000
                  Op Admin
                            Admin
+<u>+</u>+<u>+</u>+
```

The following query retrieves the employee details using the above scenario:hive>CREATEVIEWemp_30000AS SELECT * FROM employee WHEREsalary>30000; **DroppingaView** Use the following syntax to drop a view:DROPVIEWview_name The following query drops a viewnamed a semp_30000: hive> DROP VIEW emp_30000;

Ex.No:6.b

Date: 4/10/2024

Hive Databases -> Functions and Indexes

AIM:

TowriteascripttoHiveDatabases->FunctionsandIndexes

The following queries demonstrates ome built-in functions:

round()function

hive>SELECTround(2.6) fromtemp;

Onsuccessful execution of query, you get to see the following response:

3.0

floor() function

hive>SELECTfloor(2.6)fromtemp;

On successful execution of the query, you get to see the following response:

2.0

ceil()function

hive>SELECTceil(2.6)fromtemp;

On successful execution of the query, you get to see the following response:

3.0

AggregateFunctions

 $Hive supports the following built-in {\bf aggregate functions}. The usage of these functions is assume as the SQL aggregate functions. \\$

ReturnType	Signature	Description
	count(*),	count (*) - Returns the total number of retrieved
BIGINT	count(expr),	rows.

DOUBLE	sum(col), sum(DISTINCTcol)	Itreturnsthesumoftheelementsinthegroupor the sum of the distinct values of the column in the group.
DOUBLE	avg(col), avg(DISTINCTcol)	It returns the average of the elements in the grouportheaverageofthedistinctvaluesofthe column in the group.
DOUBLE	min(col)	Itreturnstheminimumvalueofthecolumnin the group.
DOUBLE	max(col)	Itreturnsthemaximumvalueofthecolumnin the group.

CreatinganIndex

AnIndexisnothingbutapointeronaparticular columnofatable. Creating anindex means creating a pointerona particular column of a table. Its syntax is as follows:

```
CREATEINDEXindex_name
ONTABLEbase_table_name (col_name,...) AS
'index.handler.class.name'
[WITHDEFERREDREBUILD]
[IDXPROPERTIES (property_name=property_value, ...)]
[IN TABLE index_table_name]
[PARTITIONEDBY(col_name,...)] [
        [ROWFORMAT...]STOREDAS...
|STOREDBY...
]
[LOCATIONhdfs_path]
[TBLPROPERTIES(...)]
```

Example

Letustakeanexampleforindex. UsethesameemployeetablethatwehaveusedearlierwiththefieldsId, Name, Salary, Designation, and Dept. Create an index named index_salary on the salarycolumn of the employee table.

The following query creates an index:

hive>CREATEINDEXinedx_salaryONTABLEemployee(salary)

AS'org.apache.hadoop.hive.ql.index.compact.CompactIndexHandler';

Itisapointertothesalarycolumn.I	fthecolumnismodified,the	changesarestoredusingani	ndexvalue.	
DroppinganIndex				
Thefollowingsyntaxisusedtodro	ppanindex:			
DROPINDEX <index_name>O</index_name>	N <table_name></table_name>			
Thefollowingquerydropsaninde	xnamedindex_salary:			
hive> DROP INDEX index_sal	lary ON employee;			

Ex. No:7

Date: 18/10/2024

Export data from Hadoop using Sqoop

AIM:

To export data from Hadoopusing Sqoop to import data to Hive.

ToexportdataintoMySQLfromHDFS,performthefollowingsteps:

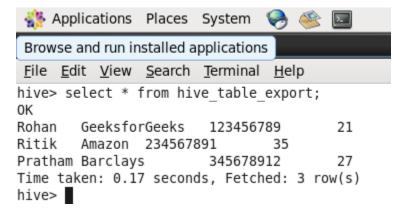
Step1:Createadatabaseand tableinthe hive.

createtablehive_table_export(namestring,companystring,phoneint,ageint)rowformat
delimited fields terminated by ',';

 $Hive Database: hive_export and Hive Table: hive_table_export$

Step2:Insertdataintothehivetable.

insertintohive_table_exportvalues("Ritik","Amazon",234567891,35);



Data inHivetable

Step3:Createadatabaseand tableinMySQLinwhichdatashouldbeexported.



MySQLD at a base: $mysql_export$ and MySQLT able: $mysql_t$ able $_export$

Step4: RunthefollowingcommandonHadoop.

```
sqoop export --connect \
jdbc:mysql://127.0.0.1:3306/database_name_in_mysql \
--tabletable_name_in_mysql\
--usernameroot--passwordcloudera\
--export-dir/user/hive/warehouse/hive_database_name.db/table_name_in_hive\
--m1\
--drivercom.mysql.jdbc.Driver
--input-fields-terminated-by','
```

```
cloudera@quickstart -]s sqoop export --connect jdbc:mysql://127.0.0.1:3306/mysql_export --table mysql_table_export --usern
ame root --password cloudera --export-dir /user/hive/warehouse/hive export.db/hive table export --m 1 --driver com.mysql.j
dbc.Driver --input-fields-terminated-by '
Warning: /usr/lib/sqoop/../accumulo does not exist! Accumulo imports will fail.
Please set $ACCUMULO HOME to the root of your Accumulo installation.
20/09/08 02:10:05 INFO sqoop.Sqoop: Running Sqoop version: 1.4.5-cdh5.4.2
20/09/08 02:10:05 WARN tool.BaseSqoopTool: Setting your password on the command-line is insecure. Consider using -P instead. 20/09/08 02:10:05 WARN sqoop.ConnFactory: Parameter --driver is set to an explicit driver however appropriate connection mana
ger is not being set (via --connection-manager). Sqoop is going to fall back to org.apache.sqoop.manager.GenericJdbcManager.
Please specify explicitly which connection manager should be used next time.
20/09/08 02:10:06 INFO manager.SqlManager: Using default fetchSize of 1000
20/09/08 02:10:06 INFO tool.CodeGenTool: Beginning code generation
20/09/08 02:10:08 INFO manager.SqlManager: Executing SQL statement: SELECT t.* FROM mysql table export AS t WHERE 1=0
20/09/08 02:10:08 INFO manager.SqlManager: Executing SQL statement: SELECT t.* FROM mysql table export AS t WHERE 1=0
20/09/08 02:10:08 INFO orm.CompilationManager: HADOOP MAPRED HOME is /usr/lib/hadoop-mapreduce
Note: /tmp/sqoop-cloudera/compile/3337bf5a79cf6ef945aa0f7d87de28a4/mysql table export.java uses or overrides a deprecated API
Note: Recompile with -Xlint:deprecation for details.
20/09/08 02:10:17 INFO orm.CompilationManager: Writing jar file: /tmp/sqoop-cloudera/compile/3337bf5a79cf6ef945aa0f7d87de28a4
/mysql table export.jar
20/09/08 02:10:17 INFO mapreduce.ExportJobBase: Beginning export of mysql table export
20/09/08 02:10:17 INFO Configuration.deprecation: mapred.job.tracker is deprecated. Instead, use mapreduce.jobtracker.address
20/09/08 02:10:18 INFO Configuration.deprecation: mapred.jar is deprecated. Instead, use mapreduce.job.jar 20/09/08 02:10:23 INFO manager.SqlManager: Executing SQL statement: SELECT t.* FROM mysql table export AS t WHERE 1=0
20/09/08 02:10:23 INFO Configuration.deprecation: mapred.reduce.tasks.speculative.execution is deprecated. Instead, use mapre
duce.reduce.speculative
20/09/08 02:10:23 INFO Configuration.deprecation: mapred.map.tasks.speculative.execution is deprecated. Instead, use mapreduc
e.map.speculative
20/09/08 02:10:23 INFO Configuration.deprecation: mapred.map.tasks is deprecated. Instead, use mapreduce.job.maps
20/09/08 02:10:23 INFO client.RMProxy: Connecting to ResourceManager at /0.0.0.0:8032
20/09/08 02:10:28 INFO input.FileInputFormat: Total input paths to process : 3
20/09/08 02:10:28 INFO input.FileInputFormat: Total input paths to process : 3
20/09/08 02:10:28 INFO mapreduce.JobSubmitter: number of splits:1
20/09/08 02:10:28 INFO Configuration.deprecation: mapred.map.tasks.speculative.execution is deprecated. Instead, use mapreduc
20/09/08 02:10:29 INFO mapreduce.JobSubmitter: Submitting tokens for job: job 1599551473625 0010
20/09/08 02:10:31 INFO impl. YarnClientImpl: Submitted application application 1599551473625 0010
☐ cloudera@quickstart:~ ☐ cloudera@quickstart:~

☐ cloudera@quickstart:~ 
☐ Hue - File Browser - M...
```

SQOOP command to export data

Intheabovecodefollowingthingsshouldbenoted.

- **127.0.0.1**isthelocalhostIPaddress.
- **3306**istheportnumberforMySQL.
- Inthecase of exporting data, the entire path to the tableshould be specified
- **m**isthenumberofmappers

Step5:Check-inMySQLifdataisexportedsuccessfullyornot.

