Case Study: Financial Regulation

Domain: Banking

All financial institutions have been introduced to a new financial regulation that will consider the impact of possible future events when calculating their risk exposure.

For this change,all financial trading services will have to source data from far more data sources including both trade and risk data, which means large amounts of data that have not historically been required for accounting.

The data is of trading index listings for each trading day.

**Tasks:**

To adhere to the regulation a leading trading service provider has decided to create a new repository (Big Data) and a multi-facet platform that can cater to these models.

As part of the R&D team, you are required to execute a POC exercise to maintain a

master data model.

1.Test the spark environment by executing the spark’s HdfsTest.scala

example.

2.Try to implement the same example in pyspark and perform spark-submit.

3.Analyze the behavior of spark application on Spark web UI

4.Edit the application and add custom logs. Once executed check the Spark

logs.

5.Transfer the sample dataset from RDBMS to HDFS

6.Validate the loaded data by comparing the statistics of data both in source

and HDFS

7.Create a new directory EQ in HDFS and transfer the data where series is EQ

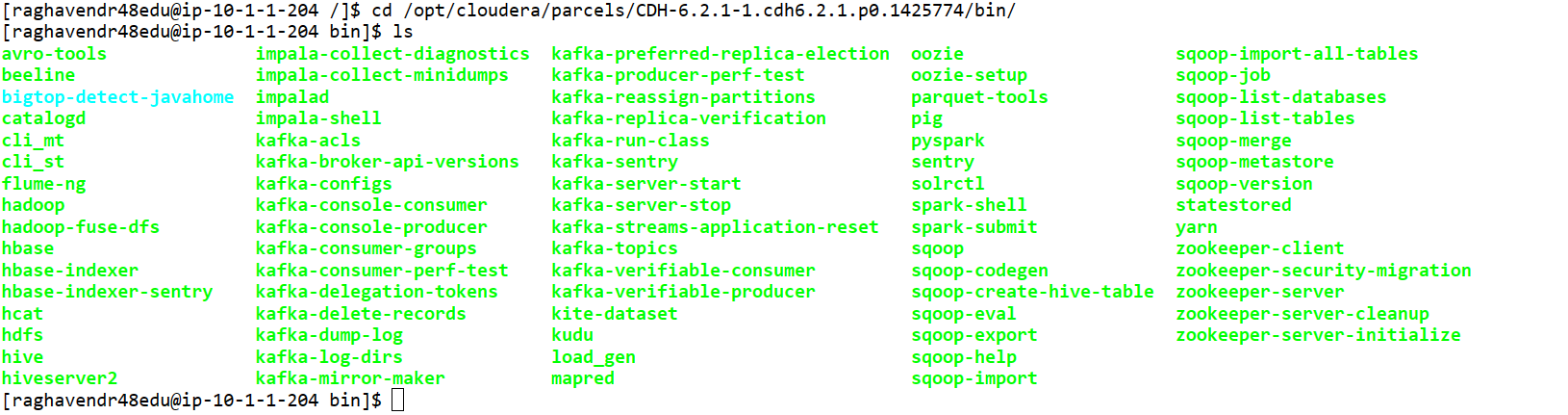
8.Set total trades which are less than 500 to 0 and transfer only updated

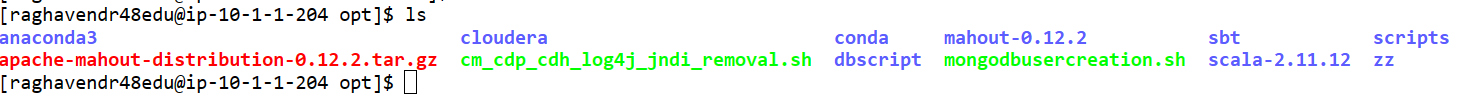
rows.

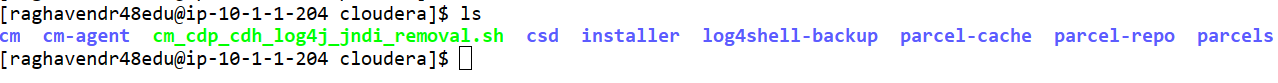
**Location of HdfsTest.scala**

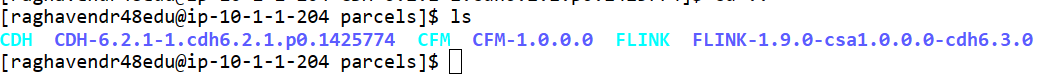
**/opt/cloudera/parcels/CDH-6.2.1-1.cdh6.2.1.p0.1425774/lib/spark/examples/jars/spark-examples\*.jar  use\_cases/HdfsTest.scala**

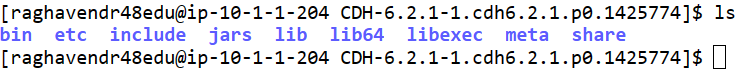
**Location of the Spark shell and the spark Submit Binary Files**

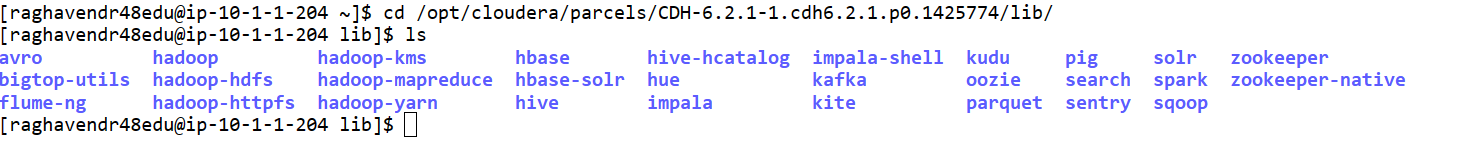


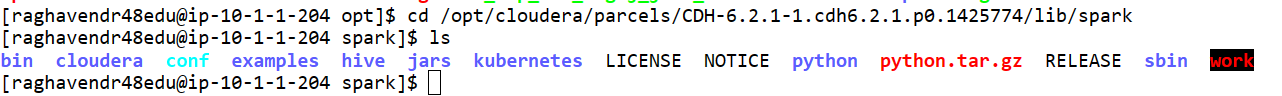


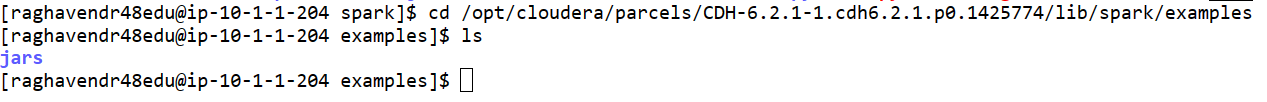


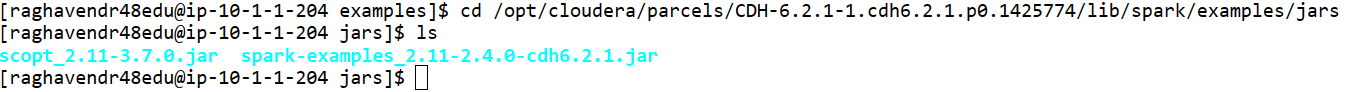












1.Test the spark environment by executing the spark’s HdfsTest.scala

example.

**HDFSTest.scala**

package org.apache.spark.examples

import org.apache.spark.sql.SparkSession

object HdfsTest {

/\*\* Usage: HdfsTest [file] \*/  
 def main(args: Array[String]) {  
 if (args.length < 1) {  
 System.err.println("Usage: HdfsTest <file>")  
 System.exit(1)  
 }  
 val spark = SparkSession.builder.appName("HdfsTest") .getOrCreate()  
 val file = spark.read.text(args(0)).rdd  
 val mapped = file.map(s => s.length).cache()  
 for (iter <- 1 to 10) {  
 val start = System.currentTimeMillis()  
 for (x <- mapped) { x + 2 }  
 val end = System.currentTimeMillis()  
 println("Iteration " + iter + " took " + (end-start) + " ms")  
 }  
 spark.stop()  
 }  
}

*From <*[*http://bigdata.cloudlabs.edureka.co:8888/hue/filebrowser/view=/user/raghavendr48edu/use\_cases/HdfsTest.scala*](http://bigdata.cloudlabs.edureka.co:8888/hue/filebrowser/view=/user/raghavendr48edu/use_cases/HdfsTest.scala)*>*

**SparkSubmit**

[raghavendr48edu@ip-10-1-1-204 jars]$ **spark-submit --class org.apache.spark.examples.HdfsTest --master yarn --deploy-mode cluster /opt/cloudera/parcels/CDH-6.2.1-1.cdh6.2.1.p0.1425774/lib/spark/examples/jars/spark-examples\*.jar use\_cases/HdfsTest.scala**

23/05/16 15:25:12 INFO client.RMProxy: Connecting to ResourceManager at ip-10-1-1-204.ap-south-1.compute.internal/10.1.1.204:8032

23/05/16 15:25:12 INFO yarn.Client: Requesting a new application from cluster with 3 NodeManagers

23/05/16 15:25:12 INFO conf.Configuration: resource-types.xml not found

23/05/16 15:25:12 INFO resource.ResourceUtils: Unable to find 'resource-types.xml'.

23/05/16 15:25:12 INFO yarn.Client: Verifying our application has not requested more than the maximum memory capability of the cluster (20480 MB per containe

r)

23/05/16 15:25:12 INFO yarn.Client: Will allocate AM container, with 1408 MB memory including 384 MB overhead

23/05/16 15:25:12 INFO yarn.Client: Setting up container launch context for our AM

23/05/16 15:25:12 INFO yarn.Client: Setting up the launch environment for our AM container

23/05/16 15:25:12 INFO yarn.Client: Preparing resources for our AM container

23/05/16 15:25:12 INFO yarn.Client: Uploading resource [file:/opt/cloudera/parcels/CDH-6.2.1-1.cdh6.2.1.p0.1425774/lib/spark/examples/jars/spark-examples\_2.11](file:///\\opt\cloudera\parcels\CDH-6.2.1-1.cdh6.2.1.p0.1425774\lib\spark\examples\jars\spark-examples_2.11)

-2.4.0-cdh6.2.1.jar -> hdfs://nameservice1/user/raghavendr48edu/.sparkStaging/application\_1682019329825\_39245/spark-examples\_2.11-2.4.0-cdh6.2.1.jar

23/05/16 15:25:12 INFO yarn.Client: Uploading resource [file:/tmp/spark-db27f191-6b27-4149-b73c-5071e533f5d8/\_\_spark\_conf\_\_5370573057872246418.zip](file:///\\tmp\spark-db27f191-6b27-4149-b73c-5071e533f5d8\__spark_conf__5370573057872246418.zip) -> hdfs://n

ameservice1/user/raghavendr48edu/.sparkStaging/application\_1682019329825\_39245/\_\_spark\_conf\_\_.zip

23/05/16 15:25:12 INFO spark.SecurityManager: Changing view acls to: raghavendr48edu

23/05/16 15:25:12 INFO spark.SecurityManager: Changing modify acls to: raghavendr48edu

23/05/16 15:25:12 INFO spark.SecurityManager: Changing view acls groups to:

23/05/16 15:25:12 INFO spark.SecurityManager: Changing modify acls groups to:

23/05/16 15:25:12 INFO spark.SecurityManager: SecurityManager: authentication disabled; ui acls disabled; users with view permissions: Set(raghavendr48edu);

groups with view permissions: Set(); users with modify permissions: Set(raghavendr48edu); groups with modify permissions: Set()

23/05/16 15:25:12 INFO conf.HiveConf: Found configuration file [file:/etc/hive/conf.cloudera.hive/hive-site.xml](file:///\\etc\hive\conf.cloudera.hive\hive-site.xml)

23/05/16 15:25:13 INFO security.YARNHadoopDelegationTokenManager: Attempting to load user's ticket cache.

23/05/16 15:25:13 INFO yarn.Client: Submitting application application\_1682019329825\_39245 to ResourceManager

23/05/16 15:25:13 INFO impl.YarnClientImpl: Submitted application application\_1682019329825\_39245

23/05/16 15:25:14 INFO yarn.Client: Application report for application\_1682019329825\_39245 (state: ACCEPTED)

23/05/16 15:25:14 INFO yarn.Client:

client token: N/A

diagnostics: AM container is launched, waiting for AM container to Register with RM

ApplicationMaster host: N/A

ApplicationMaster RPC port: -1

queue: root.default

start time: 1684250713073

final status: UNDEFINED

         tracking URL:  <http://ip-10-1-1-204.ap-south-1.compute.internal:6066/proxy/application_1682019329825_39245/>

user: raghavendr48edu

23/05/16 15:25:15 INFO yarn.Client: Application report for application\_1682019329825\_39245 (state: ACCEPTED)

23/05/16 15:25:16 INFO yarn.Client: Application report for application\_1682019329825\_39245 (state: ACCEPTED)

23/05/16 15:25:17 INFO yarn.Client: Application report for application\_1682019329825\_39245 (state: ACCEPTED)

23/05/16 15:25:18 INFO yarn.Client: Application report for application\_1682019329825\_39245 (state: RUNNING)

23/05/16 15:25:18 INFO yarn.Client:

client token: N/A

diagnostics: N/A

ApplicationMaster host: ip-10-1-2-103.ap-south-1.compute.internal

ApplicationMaster RPC port: 43158

queue: root.default

start time: 1684250713073

final status: UNDEFINED

         tracking URL:  <http://ip-10-1-1-204.ap-south-1.compute.internal:6066/proxy/application_1682019329825_39245/>

user: raghavendr48edu

23/05/16 15:25:19 INFO yarn.Client: Application report for application\_1682019329825\_39245 (state: RUNNING)

23/05/16 15:25:20 INFO yarn.Client: Application report for application\_1682019329825\_39245 (state: RUNNING)

23/05/16 15:25:21 INFO yarn.Client: Application report for application\_1682019329825\_39245 (state: RUNNING)

23/05/16 15:25:22 INFO yarn.Client: Application report for application\_1682019329825\_39245 (state: RUNNING)

23/05/16 15:25:23 INFO yarn.Client: Application report for application\_1682019329825\_39245 (state: RUNNING)

23/05/16 15:25:24 INFO yarn.Client: Application report for application\_1682019329825\_39245 (state: RUNNING)

23/05/16 15:25:25 INFO yarn.Client: Application report for application\_1682019329825\_39245 (state: RUNNING)

23/05/16 15:25:26 INFO yarn.Client: Application report for application\_1682019329825\_39245 (state: RUNNING)

23/05/16 15:25:27 INFO yarn.Client: Application report for application\_1682019329825\_39245 (state: RUNNING)

23/05/16 15:25:28 INFO yarn.Client: Application report for application\_1682019329825\_39245 (state: RUNNING)

23/05/16 15:25:29 INFO yarn.Client: Application report for application\_1682019329825\_39245 (state: RUNNING)

23/05/16 15:25:30 INFO yarn.Client: Application report for application\_1682019329825\_39245 (state: RUNNING)

23/05/16 15:25:31 INFO yarn.Client: Application report for application\_1682019329825\_39245 (state: RUNNING)

23/05/16 15:25:32 INFO yarn.Client: Application report for application\_1682019329825\_39245 (state: RUNNING)

23/05/16 15:25:33 INFO yarn.Client: Application report for application\_1682019329825\_39245 (state: RUNNING)

23/05/16 15:25:34 INFO yarn.Client: Application report for application\_1682019329825\_39245 (state: RUNNING)

23/05/16 15:25:35 INFO yarn.Client: Application report for application\_1682019329825\_39245 (state: FINISHED)

23/05/16 15:25:35 INFO yarn.Client:

client token: N/A

diagnostics: N/A

ApplicationMaster host: ip-10-1-2-103.ap-south-1.compute.internal

ApplicationMaster RPC port: 43158

queue: root.default

start time: 1684250713073

final status: SUCCEEDED

         tracking URL:  <http://ip-10-1-1-204.ap-south-1.compute.internal:6066/proxy/application_1682019329825_39245/>

user: raghavendr48edu

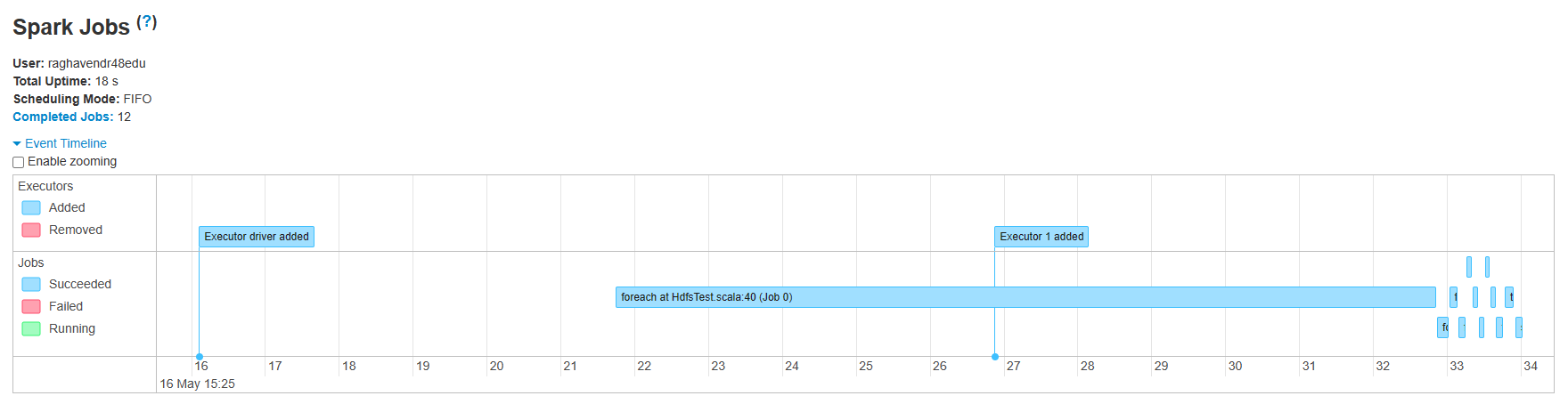
23/05/16 15:25:35 INFO util.ShutdownHookManager: Shutdown hook called

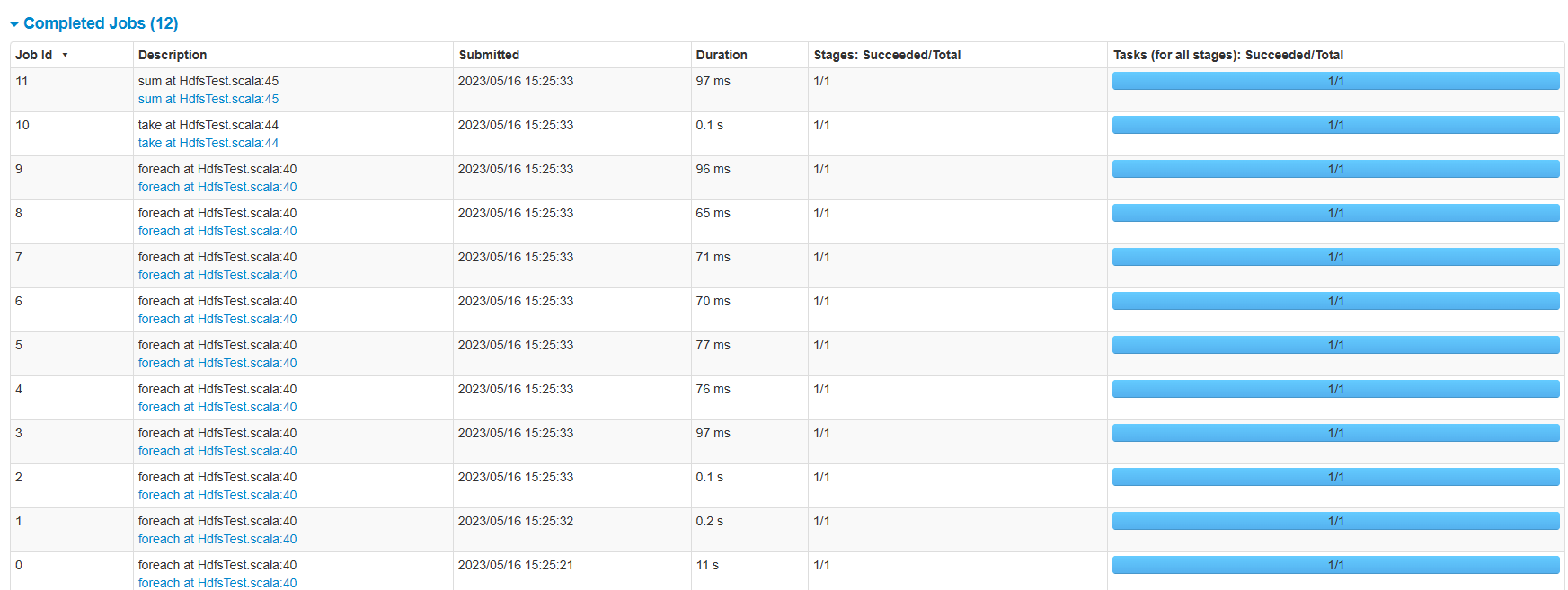
23/05/16 15:25:35 INFO util.ShutdownHookManager: Deleting directory /tmp/spark-db27f191-6b27-4149-b73c-5071e533f5d8

23/05/16 15:25:35 INFO util.ShutdownHookManager: Deleting directory /tmp/spark-ef180879-1b83-4424-b017-3c4c1e0458fd

*From <*[*https://bigdata.cloudlabs.edureka.co/shell/*](https://bigdata.cloudlabs.edureka.co/shell/)*>*

3.Analyze the behavior of spark application on Spark web UI





[raghavendr48edu@ip-10-1-1-204 bin]$ **spark-shell**

Setting default log level to "WARN".

To adjust logging level use sc.setLogLevel(newLevel). For SparkR, use setLogLevel(newLevel).

23/05/16 15:52:39 WARN cluster.YarnSchedulerBackend$YarnSchedulerEndpoint: Attempted to request executors before the AM has registered!

Spark context available as 'sc' (master = yarn, app id = application\_1682019329825\_39246).

Spark session available as 'spark'.

Welcome to

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/\_\_\_/ .\_\_/\\_,\_/\_/ /\_/\\_\ version 2.4.0-cdh6.2.1

/\_/

Using Scala version 2.11.12 (Java HotSpot(TM) 64-Bit Server VM, Java 1.8.0\_181)

Type in expressions to have them evaluated.

Type :help for more information.

scala> package org.apache.spark.examples

<console>:1: error: illegal start of definition

package org.apache.spark.examples

^

scala>

scala> import org.apache.spark.sql.SparkSession

import org.apache.spark.sql.SparkSession

scala>

scala> object HdfsTest {

|

| /\*\* Usage: HdfsTest [file] \*/

| def main(args: Array[String]) {

| if (args.length < 1) {

| System.err.println("Usage: HdfsTest <file>")

| System.exit(1)

| }

| val spark = SparkSession

| .builder

| .appName("HdfsTest")

| .getOrCreate()

| val file = spark.read.text(args(0)).rdd

| val mapped = file.map(s => s.length).cache()

| for (iter <- 1 to 10) {

| val start = System.currentTimeMillis()

| for (x <- mapped) { x + 2 }

| val end = System.currentTimeMillis()

| println("Iteration " + iter + " took " + (end-start) + " ms")

| }

| spark.stop()

| }

| }

defined object HdfsTest

scala> HdfsTest.main(Array("AppleStore.csv"))

23/05/16 15:56:30 WARN sql.SparkSession$Builder: Using an existing SparkSession; some configuration may not take effect.

Iteration 1 took 8800 ms

Iteration 2 took 160 ms

Iteration 3 took 76 ms

Iteration 4 took 82 ms

Iteration 5 took 62 ms

Iteration 6 took 59 ms

Iteration 7 took 58 ms

Iteration 8 took 84 ms

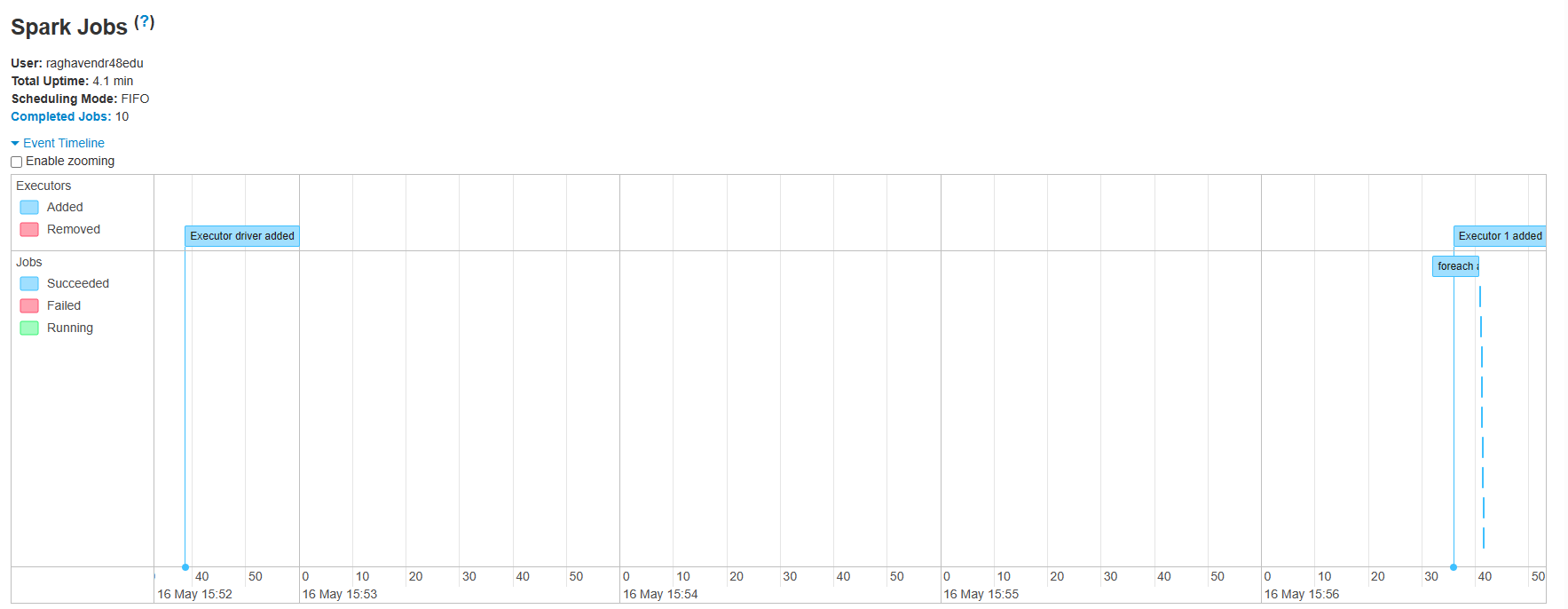
Iteration 9 took 73 ms

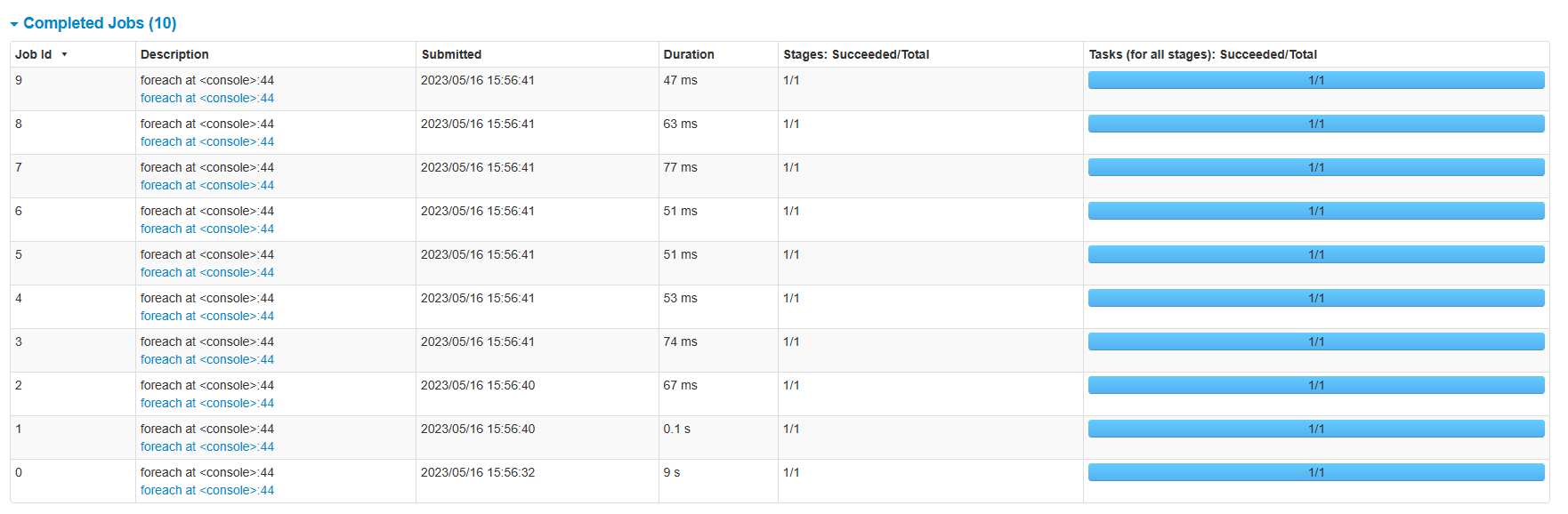
Iteration 10 took 54 ms

scala>

*From <*[*https://bigdata.cloudlabs.edureka.co/shell/*](https://bigdata.cloudlabs.edureka.co/shell/)*>*

3.Analyze the behavior of spark application on Spark web UI





**OR**

**Step 1: Create a folder named training\_project**

**mkdir training\_project**

**Step 2: Create build.sbt in the training\_project folder with the following content (using vi build.sbt)**

name := "SparkMe Project"

version := "1.0"

organization := "edureka"

scalaVersion := "2.11.8"

val sparkVersion = "2.1.0"

libraryDependencies += "org.apache.spark" %% "spark-core" % sparkVersion %"provided"

libraryDependencies += "org.apache.spark" %% "spark-sql" % sparkVersion % "provided"

resolvers += Resolver.mavenLocal



**Step 3: Verify build.sbt by executing the command given below sbt compile**

sbt compile

The above command will create directory “project” and “target”.

[raghavendr48edu@ip-10-1-1-204 training\_project]$ **sbt compile**

[info] welcome to sbt 1.5.5 (Oracle Corporation Java 1.8.0\_181)

[info] loading project definition from /home/raghavendr48edu/training\_project/project

[info] loading settings for project training\_project from build.sbt ...

[info] set current project to SparkMe Project (in build [file:/home/raghavendr48edu/training\_project/](file:///\\home\raghavendr48edu\training_project\))

[info] Executing in batch mode. For better performance use sbt's shell

[info] Updating

<https://repo1.maven.org/maven2/org/scala-lang/scala-library/2.11.8/scala-library-2.11.8.pom>

100.0% [##########] 1.4 KiB (2.0 KiB / s)

[info] Resolved dependencies

[info] Updating

<https://repo1.maven.org/maven2/org/apache/spark/spark-sql_2.11/2.1.0/spark-sql_2.11-2.1.0.pom>

100.0% [##########] 9.4 KiB (56.9 KiB / s)

<https://repo1.maven.org/maven2/org/apache/spark/spark-core_2.11/2.1.0/spark-core_2.11-2.1.0.pom>

100.0% [##########] 20.4 KiB (49.2 KiB / s)

<https://repo1.maven.org/maven2/org/apache/spark/spark-parent_2.11/2.1.0/spark-parent_2.11-2.1.0.pom>

100.0% [##########] 98.2 KiB (318.9 KiB / s)

<https://repo1.maven.org/maven2/org/apache/apache/14/apache-14.pom>

100.0% [##########] 14.3 KiB (103.2 KiB / s)

<https://repo1.maven.org/maven2/net/razorvine/pyrolite/4.13/pyrolite-4.13.pom>

100.0% [##########] 3.5 KiB (25.0 KiB / s)

<https://repo1.maven.org/maven2/log4j/log4j/1.2.17/log4j-1.2.17.pom>

100.0% [##########] 21.2 KiB (133.6 KiB / s)

<https://repo1.maven.org/maven2/org/apache/spark/spark-tags_2.11/2.1.0/spark-tags_2.11-2.1.0.pom>

100.0% [##########] 1.8 KiB (13.0 KiB / s)

<https://repo1.maven.org/maven2/org/json4s/json4s-jackson_2.11/3.2.11/json4s-jackson_2.11-3.2.11.pom>

100.0% [##########] 2.3 KiB (16.5 KiB / s)

<https://repo1.maven.org/maven2/org/apache/spark/spark-sketch_2.11/2.1.0/spark-sketch_2.11-2.1.0.pom>

100.0% [##########] 3.0 KiB (7.6 KiB / s)

<https://repo1.maven.org/maven2/org/apache/spark/spark-unsafe_2.11/2.1.0/spark-unsafe_2.11-2.1.0.pom>

100.0% [##########] 4.5 KiB (11.3 KiB / s)

<https://repo1.maven.org/maven2/org/glassfish/jersey/core/jersey-client/2.22.2/jersey-client-2.22.2.pom>

100.0% [##########] 7.4 KiB (18.3 KiB / s)

<https://repo1.maven.org/maven2/com/twitter/chill-java/0.8.0/chill-java-0.8.0.pom>

100.0% [##########] 2.0 KiB (13.9 KiB / s)

<https://repo1.maven.org/maven2/org/spark-project/spark/unused/1.0.0/unused-1.0.0.pom>

100.0% [##########] 2.3 KiB (15.4 KiB / s)

<https://repo1.maven.org/maven2/com/google/code/findbugs/jsr305/1.3.9/jsr305-1.3.9.pom>

100.0% [##########] 965B (7.1 KiB / s)

<https://repo1.maven.org/maven2/org/apache/ivy/ivy/2.4.0/ivy-2.4.0.pom>

100.0% [##########] 6.1 KiB (41.4 KiB / s)

<https://repo1.maven.org/maven2/org/apache/parquet/parquet-hadoop/1.8.1/parquet-hadoop-1.8.1.pom>

100.0% [##########] 3.4 KiB (24.4 KiB / s)

<https://repo1.maven.org/maven2/org/apache/spark/spark-network-shuffle_2.11/2.1.0/spark-network-shuffle_2.11-2.1.0.pom>

100.0% [##########] 4.1 KiB (26.6 KiB / s)

<https://repo1.maven.org/maven2/com/univocity/univocity-parsers/2.2.1/univocity-parsers-2.2.1.pom>

100.0% [##########] 8.0 KiB (14.3 KiB / s)

<https://repo1.maven.org/maven2/io/dropwizard/metrics/metrics-graphite/3.1.2/metrics-graphite-3.1.2.pom>

100.0% [##########] 1.3 KiB (9.0 KiB / s)

<https://repo1.maven.org/maven2/org/apache/curator/curator-recipes/2.4.0/curator-recipes-2.4.0.pom>

100.0% [##########] 2.4 KiB (17.4 KiB / s)

<https://repo1.maven.org/maven2/com/clearspring/analytics/stream/2.7.0/stream-2.7.0.pom>

100.0% [##########] 6.5 KiB (44.2 KiB / s)

<https://repo1.maven.org/maven2/com/twitter/chill_2.11/0.8.0/chill_2.11-0.8.0.pom>

100.0% [##########] 2.3 KiB (15.4 KiB / s)

<https://repo1.maven.org/maven2/org/slf4j/jcl-over-slf4j/1.7.16/jcl-over-slf4j-1.7.16.pom>

100.0% [##########] 963B (7.1 KiB / s)

<https://repo1.maven.org/maven2/org/slf4j/slf4j-log4j12/1.7.16/slf4j-log4j12-1.7.16.pom>

100.0% [##########] 909B (6.2 KiB / s)

<https://repo1.maven.org/maven2/oro/oro/2.0.8/oro-2.0.8.pom>

100.0% [##########] 140B (1.0 KiB / s)

<https://repo1.maven.org/maven2/io/dropwizard/metrics/metrics-jvm/3.1.2/metrics-jvm-3.1.2.pom>

100.0% [##########] 967B (7.0 KiB / s)

<https://repo1.maven.org/maven2/org/apache/xbean/xbean-asm5-shaded/4.4/xbean-asm5-shaded-4.4.pom>

100.0% [##########] 3.3 KiB (24.8 KiB / s)

<https://repo1.maven.org/maven2/com/fasterxml/jackson/module/jackson-module-scala_2.11/2.6.5/jackson-module-scala_2.11-2.6.5.pom>

100.0% [##########] 4.0 KiB (27.3 KiB / s)

<https://repo1.maven.org/maven2/commons-net/commons-net/2.2/commons-net-2.2.pom>

100.0% [##########] 12.4 KiB (77.4 KiB / s)

<https://repo1.maven.org/maven2/javax/servlet/javax.servlet-api/3.1.0/javax.servlet-api-3.1.0.pom>

100.0% [##########] 13.2 KiB (81.0 KiB / s)

<https://repo1.maven.org/maven2/org/apache/commons/commons-crypto/1.0.0/commons-crypto-1.0.0.pom>

100.0% [##########] 21.3 KiB (130.8 KiB / s)

<https://repo1.maven.org/maven2/org/glassfish/jersey/containers/jersey-container-servlet/2.22.2/jersey-container-servlet-2.22.2.pom>

100.0% [##########] 4.5 KiB (30.1 KiB / s)

<https://repo1.maven.org/maven2/com/ning/compress-lzf/1.0.3/compress-lzf-1.0.3.pom>

100.0% [##########] 7.7 KiB (47.9 KiB / s)

<https://repo1.maven.org/maven2/org/glassfish/jersey/containers/jersey-container-servlet-core/2.22.2/jersey-container-servlet-core-2.22.2.pom>

100.0% [##########] 4.6 KiB (28.1 KiB / s)

<https://repo1.maven.org/maven2/net/java/dev/jets3t/jets3t/0.7.1/jets3t-0.7.1.pom>

100.0% [##########] 1.5 KiB (9.7 KiB / s)

<https://repo1.maven.org/maven2/org/apache/commons/commons-math3/3.4.1/commons-math3-3.4.1.pom>

100.0% [##########] 26.6 KiB (145.1 KiB / s)

<https://repo1.maven.org/maven2/org/apache/commons/commons-lang3/3.5/commons-lang3-3.5.pom>

100.0% [##########] 22.8 KiB (122.6 KiB / s)

<https://repo1.maven.org/maven2/com/fasterxml/jackson/core/jackson-databind/2.6.5/jackson-databind-2.6.5.pom>

100.0% [##########] 5.9 KiB (43.2 KiB / s)

<https://repo1.maven.org/maven2/io/dropwizard/metrics/metrics-json/3.1.2/metrics-json-3.1.2.pom>

100.0% [##########] 1.4 KiB (9.7 KiB / s)

<https://repo1.maven.org/maven2/io/dropwizard/metrics/metrics-core/3.1.2/metrics-core-3.1.2.pom>

100.0% [##########] 846B (5.5 KiB / s)

<https://repo1.maven.org/maven2/org/glassfish/jersey/core/jersey-common/2.22.2/jersey-common-2.22.2.pom>

100.0% [##########] 10.2 KiB (61.9 KiB / s)

<https://repo1.maven.org/maven2/io/netty/netty/3.8.0.Final/netty-3.8.0.Final.pom>

100.0% [##########] 25.6 KiB (151.4 KiB / s)

<https://repo1.maven.org/maven2/org/xerial/snappy/snappy-java/1.1.2.6/snappy-java-1.1.2.6.pom>

100.0% [##########] 3.2 KiB (21.0 KiB / s)

<https://repo1.maven.org/maven2/org/apache/parquet/parquet-column/1.8.1/parquet-column-1.8.1.pom>

100.0% [##########] 4.9 KiB (32.9 KiB / s)

<https://repo1.maven.org/maven2/net/sf/py4j/py4j/0.10.4/py4j-0.10.4.pom>

100.0% [##########] 2.1 KiB (15.0 KiB / s)

<https://repo1.maven.org/maven2/org/apache/avro/avro-mapred/1.7.7/avro-mapred-1.7.7.pom>

100.0% [##########] 6.6 KiB (43.9 KiB / s)

<https://repo1.maven.org/maven2/org/apache/spark/spark-network-common_2.11/2.1.0/spark-network-common_2.11-2.1.0.pom>

100.0% [##########] 4.9 KiB (37.3 KiB / s)

<https://repo1.maven.org/maven2/org/slf4j/slf4j-api/1.7.16/slf4j-api-1.7.16.pom>

100.0% [##########] 2.7 KiB (19.8 KiB / s)

<https://repo1.maven.org/maven2/io/netty/netty-all/4.0.42.Final/netty-all-4.0.42.Final.pom>

100.0% [##########] 17.2 KiB (113.8 KiB / s)

<https://repo1.maven.org/maven2/org/apache/spark/spark-catalyst_2.11/2.1.0/spark-catalyst_2.11-2.1.0.pom>

100.0% [##########] 7.6 KiB (54.9 KiB / s)

<https://repo1.maven.org/maven2/org/apache/spark/spark-launcher_2.11/2.1.0/spark-launcher_2.11-2.1.0.pom>

100.0% [##########] 6.2 KiB (45.9 KiB / s)

<https://repo1.maven.org/maven2/net/jpountz/lz4/lz4/1.3.0/lz4-1.3.0.pom>

100.0% [##########] 1.9 KiB (12.5 KiB / s)

<https://repo1.maven.org/maven2/org/apache/hadoop/hadoop-client/2.2.0/hadoop-client-2.2.0.pom>

100.0% [##########] 10.8 KiB (76.1 KiB / s)

<https://repo1.maven.org/maven2/org/roaringbitmap/RoaringBitmap/0.5.11/RoaringBitmap-0.5.11.pom>

100.0% [##########] 6.2 KiB (42.9 KiB / s)

<https://repo1.maven.org/maven2/org/slf4j/jul-to-slf4j/1.7.16/jul-to-slf4j-1.7.16.pom>

100.0% [##########] 986B (6.6 KiB / s)

<https://repo1.maven.org/maven2/org/glassfish/jersey/core/jersey-server/2.22.2/jersey-server-2.22.2.pom>

100.0% [##########] 12.0 KiB (81.4 KiB / s)

<https://repo1.maven.org/maven2/org/apache/apache/7/apache-7.pom>

100.0% [##########] 14.1 KiB (95.2 KiB / s)

<https://repo1.maven.org/maven2/org/glassfish/jersey/containers/project/2.22.2/project-2.22.2.pom>

100.0% [##########] 3.7 KiB (25.4 KiB / s)

<https://repo1.maven.org/maven2/io/dropwizard/metrics/metrics-parent/3.1.2/metrics-parent-3.1.2.pom>

100.0% [##########] 11.7 KiB (72.3 KiB / s)

<https://repo1.maven.org/maven2/org/apache/curator/apache-curator/2.4.0/apache-curator-2.4.0.pom>

100.0% [##########] 20.1 KiB (119.4 KiB / s)

<https://repo1.maven.org/maven2/io/netty/netty-parent/4.0.42.Final/netty-parent-4.0.42.Final.pom>

100.0% [##########] 43.8 KiB (213.4 KiB / s)

<https://repo1.maven.org/maven2/com/fasterxml/jackson/jackson-parent/2.6.2/jackson-parent-2.6.2.pom>

100.0% [##########] 7.6 KiB (51.1 KiB / s)

<https://repo1.maven.org/maven2/org/apache/avro/avro-parent/1.7.7/avro-parent-1.7.7.pom>

100.0% [##########] 18.6 KiB (114.7 KiB / s)

<https://repo1.maven.org/maven2/org/apache/parquet/parquet/1.8.1/parquet-1.8.1.pom>

100.0% [##########] 17.0 KiB (102.5 KiB / s)

<https://repo1.maven.org/maven2/org/apache/commons/commons-parent/41/commons-parent-41.pom>

100.0% [##########] 63.3 KiB (342.3 KiB / s)

<https://repo1.maven.org/maven2/org/slf4j/slf4j-parent/1.7.16/slf4j-parent-1.7.16.pom>

100.0% [##########] 13.2 KiB (32.6 KiB / s)

<https://repo1.maven.org/maven2/org/apache/hadoop/hadoop-project-dist/2.2.0/hadoop-project-dist-2.2.0.pom>

100.0% [##########] 17.3 KiB (112.2 KiB / s)

<https://repo1.maven.org/maven2/net/java/jvnet-parent/3/jvnet-parent-3.pom>

100.0% [##########] 4.7 KiB (30.8 KiB / s)

<https://repo1.maven.org/maven2/org/apache/xbean/xbean/4.4/xbean-4.4.pom>

100.0% [##########] 17.3 KiB (115.2 KiB / s)

<https://repo1.maven.org/maven2/org/glassfish/jersey/project/2.22.2/project-2.22.2.pom>

100.0% [##########] 82.3 KiB (261.3 KiB / s)

<https://repo1.maven.org/maven2/org/apache/commons/commons-parent/40/commons-parent-40.pom>

100.0% [##########] 62.6 KiB (393.8 KiB / s)

<https://repo1.maven.org/maven2/org/sonatype/oss/oss-parent/5/oss-parent-5.pom>

100.0% [##########] 4.0 KiB (30.0 KiB / s)

<https://repo1.maven.org/maven2/org/apache/commons/commons-parent/34/commons-parent-34.pom>

100.0% [##########] 54.6 KiB (199.4 KiB / s)

<https://repo1.maven.org/maven2/org/apache/commons/commons-parent/17/commons-parent-17.pom>

100.0% [##########] 30.5 KiB (180.2 KiB / s)

<https://repo1.maven.org/maven2/com/fasterxml/oss-parent/24/oss-parent-24.pom>

100.0% [##########] 19.0 KiB (129.1 KiB / s)

<https://repo1.maven.org/maven2/net/java/jvnet-parent/4/jvnet-parent-4.pom>

100.0% [##########] 7.6 KiB (52.2 KiB / s)

<https://repo1.maven.org/maven2/org/apache/apache/18/apache-18.pom>

100.0% [##########] 15.3 KiB (105.5 KiB / s)

<https://repo1.maven.org/maven2/org/apache/geronimo/genesis/genesis-java5-flava/2.1/genesis-java5-flava-2.1.pom>

100.0% [##########] 5.4 KiB (36.9 KiB / s)

<https://repo1.maven.org/maven2/org/apache/hadoop/hadoop-project/2.2.0/hadoop-project-2.2.0.pom>

100.0% [##########] 36.3 KiB (219.9 KiB / s)

<https://repo1.maven.org/maven2/org/apache/avro/avro-toplevel/1.7.7/avro-toplevel-1.7.7.pom>

100.0% [##########] 9.4 KiB (23.7 KiB / s)

<https://repo1.maven.org/maven2/org/apache/apache/17/apache-17.pom>

100.0% [##########] 15.7 KiB (111.2 KiB / s)

<https://repo1.maven.org/maven2/org/apache/apache/16/apache-16.pom>

100.0% [##########] 15.0 KiB (105.1 KiB / s)

<https://repo1.maven.org/maven2/org/apache/apache/13/apache-13.pom>

100.0% [##########] 13.6 KiB (94.8 KiB / s)

<https://repo1.maven.org/maven2/org/apache/apache/10/apache-10.pom>

100.0% [##########] 14.5 KiB (98.3 KiB / s)

<https://repo1.maven.org/maven2/org/apache/hadoop/hadoop-main/2.2.0/hadoop-main-2.2.0.pom>

100.0% [##########] 16.2 KiB (113.2 KiB / s)

<https://repo1.maven.org/maven2/org/apache/geronimo/genesis/genesis-default-flava/2.1/genesis-default-flava-2.1.pom>

100.0% [##########] 15.7 KiB (96.2 KiB / s)

<https://repo1.maven.org/maven2/org/apache/geronimo/genesis/genesis/2.1/genesis-2.1.pom>

100.0% [##########] 13.9 KiB (84.4 KiB / s)

<https://repo1.maven.org/maven2/org/glassfish/hk2/hk2-bom/2.4.0-b34/hk2-bom-2.4.0-b34.pom>

100.0% [##########] 20.4 KiB (121.5 KiB / s)

<https://repo1.maven.org/maven2/net/java/jvnet-parent/5/jvnet-parent-5.pom>

100.0% [##########] 8.7 KiB (59.3 KiB / s)

<https://repo1.maven.org/maven2/com/fasterxml/jackson/core/jackson-annotations/2.6.5/jackson-annotations-2.6.5.pom>

100.0% [##########] 1.2 KiB (9.2 KiB / s)

<https://repo1.maven.org/maven2/org/apache/hadoop/hadoop-mapreduce-client-jobclient/2.2.0/hadoop-mapreduce-client-jobclient-2.2.0.pom>

100.0% [##########] 5.3 KiB (40.2 KiB / s)

<https://repo1.maven.org/maven2/org/json4s/json4s-core_2.11/3.2.11/json4s-core_2.11-3.2.11.pom>

100.0% [##########] 2.5 KiB (18.7 KiB / s)

<https://repo1.maven.org/maven2/org/glassfish/hk2/hk2-locator/2.4.0-b34/hk2-locator-2.4.0-b34.pom>

100.0% [##########] 5.4 KiB (35.5 KiB / s)

<https://repo1.maven.org/maven2/org/glassfish/jersey/media/jersey-media-jaxb/2.22.2/jersey-media-jaxb-2.22.2.pom>

100.0% [##########] 7.0 KiB (45.6 KiB / s)

<https://repo1.maven.org/maven2/com/fasterxml/jackson/module/jackson-module-paranamer/2.6.5/jackson-module-paranamer-2.6.5.pom>

100.0% [##########] 4.4 KiB (31.4 KiB / s)

<https://repo1.maven.org/maven2/org/antlr/antlr4-runtime/4.5.3/antlr4-runtime-4.5.3.pom>

100.0% [##########] 2.3 KiB (16.0 KiB / s)

<https://repo1.maven.org/maven2/org/apache/hadoop/hadoop-annotations/2.2.0/hadoop-annotations-2.2.0.pom>

100.0% [##########] 2.3 KiB (16.2 KiB / s)

<https://repo1.maven.org/maven2/org/apache/zookeeper/zookeeper/3.4.5/zookeeper-3.4.5.pom>

100.0% [##########] 2.9 KiB (20.4 KiB / s)

<https://repo1.maven.org/maven2/javax/ws/rs/javax.ws.rs-api/2.0.1/javax.ws.rs-api-2.0.1.pom>

100.0% [##########] 20.9 KiB (120.2 KiB / s)

<https://repo1.maven.org/maven2/org/apache/curator/curator-framework/2.4.0/curator-framework-2.4.0.pom>

100.0% [##########] 2.2 KiB (5.5 KiB / s)

<https://repo1.maven.org/maven2/org/glassfish/hk2/hk2-api/2.4.0-b34/hk2-api-2.4.0-b34.pom>

100.0% [##########] 4.5 KiB (33.0 KiB / s)

<https://repo1.maven.org/maven2/org/scalatest/scalatest_2.11/2.2.6/scalatest_2.11-2.2.6.pom>

100.0% [##########] 5.5 KiB (40.7 KiB / s)

<https://repo1.maven.org/maven2/com/fasterxml/jackson/core/jackson-core/2.6.5/jackson-core-2.6.5.pom>

100.0% [##########] 4.8 KiB (31.9 KiB / s)

<https://repo1.maven.org/maven2/org/apache/hadoop/hadoop-mapreduce-client-app/2.2.0/hadoop-mapreduce-client-app-2.2.0.pom>

100.0% [##########] 4.2 KiB (28.6 KiB / s)

<https://repo1.maven.org/maven2/org/apache/parquet/parquet-format/2.3.0-incubating/parquet-format-2.3.0-incubating.pom>

100.0% [##########] 6.8 KiB (49.5 KiB / s)

<https://repo1.maven.org/maven2/commons-httpclient/commons-httpclient/3.1/commons-httpclient-3.1.pom>

100.0% [##########] 7.6 KiB (51.6 KiB / s)

<https://repo1.maven.org/maven2/org/apache/avro/avro-ipc/1.7.7/avro-ipc-1.7.7.pom>

100.0% [##########] 5.0 KiB (36.5 KiB / s)

<https://repo1.maven.org/maven2/org/apache/hadoop/hadoop-common/2.2.0/hadoop-common-2.2.0.pom>

100.0% [##########] 26.2 KiB (181.0 KiB / s)

<https://repo1.maven.org/maven2/org/codehaus/jackson/jackson-mapper-asl/1.9.13/jackson-mapper-asl-1.9.13.pom>

100.0% [##########] 1.5 KiB (10.4 KiB / s)

<https://repo1.maven.org/maven2/org/glassfish/hk2/external/javax.inject/2.4.0-b34/javax.inject-2.4.0-b34.pom>

100.0% [##########] 6.3 KiB (46.0 KiB / s)

<https://repo1.maven.org/maven2/org/apache/parquet/parquet-common/1.8.1/parquet-common-1.8.1.pom>

100.0% [##########] 2.8 KiB (19.6 KiB / s)

<https://repo1.maven.org/maven2/org/apache/hadoop/hadoop-mapreduce-client-core/2.2.0/hadoop-mapreduce-client-core-2.2.0.pom>

100.0% [##########] 3.0 KiB (22.0 KiB / s)

<https://repo1.maven.org/maven2/org/apache/hadoop/hadoop-yarn-api/2.2.0/hadoop-yarn-api-2.2.0.pom>

100.0% [##########] 2.9 KiB (22.0 KiB / s)

<https://repo1.maven.org/maven2/com/google/guava/guava/14.0.1/guava-14.0.1.pom>

100.0% [##########] 5.3 KiB (36.5 KiB / s)

<https://repo1.maven.org/maven2/org/glassfish/hk2/osgi-resource-locator/1.0.1/osgi-resource-locator-1.0.1.pom>

100.0% [##########] 6.0 KiB (41.4 KiB / s)

<https://repo1.maven.org/maven2/org/glassfish/jersey/bundles/repackaged/jersey-guava/2.22.2/jersey-guava-2.22.2.pom>

100.0% [##########] 13.0 KiB (87.3 KiB / s)

<https://repo1.maven.org/maven2/org/codehaus/jackson/jackson-core-asl/1.9.13/jackson-core-asl-1.9.13.pom>

100.0% [##########] 1.2 KiB (9.3 KiB / s)

<https://repo1.maven.org/maven2/javax/annotation/javax.annotation-api/1.2/javax.annotation-api-1.2.pom>

100.0% [##########] 13.1 KiB (95.7 KiB / s)

<https://repo1.maven.org/maven2/javax/validation/validation-api/1.1.0.Final/validation-api-1.1.0.Final.pom>

100.0% [##########] 7.7 KiB (53.7 KiB / s)

<https://repo1.maven.org/maven2/org/codehaus/janino/commons-compiler/3.0.0/commons-compiler-3.0.0.pom>

100.0% [##########] 666B (4.4 KiB / s)

<https://repo1.maven.org/maven2/org/codehaus/janino/janino/3.0.0/janino-3.0.0.pom>

100.0% [##########] 925B (6.5 KiB / s)

<https://repo1.maven.org/maven2/org/scala-lang/scala-reflect/2.11.8/scala-reflect-2.11.8.pom>

100.0% [##########] 1.5 KiB (10.5 KiB / s)

<https://repo1.maven.org/maven2/commons-codec/commons-codec/1.10/commons-codec-1.10.pom>

100.0% [##########] 11.3 KiB (55.0 KiB / s)

<https://repo1.maven.org/maven2/com/esotericsoftware/kryo-shaded/3.0.3/kryo-shaded-3.0.3.pom>

100.0% [##########] 3.1 KiB (22.3 KiB / s)

<https://repo1.maven.org/maven2/org/apache/hadoop/hadoop-hdfs/2.2.0/hadoop-hdfs-2.2.0.pom>

100.0% [##########] 23.5 KiB (162.9 KiB / s)

<https://repo1.maven.org/maven2/org/apache/parquet/parquet-jackson/1.8.1/parquet-jackson-1.8.1.pom>

100.0% [##########] 3.5 KiB (24.0 KiB / s)

<https://repo1.maven.org/maven2/org/fusesource/leveldbjni/leveldbjni-all/1.8/leveldbjni-all-1.8.pom>

100.0% [##########] 7.1 KiB (49.7 KiB / s)

<https://repo1.maven.org/maven2/org/apache/parquet/parquet-encoding/1.8.1/parquet-encoding-1.8.1.pom>

100.0% [##########] 3.0 KiB (20.9 KiB / s)

<https://repo1.maven.org/maven2/org/antlr/antlr4-master/4.5.3/antlr4-master-4.5.3.pom>

100.0% [##########] 3.6 KiB (25.5 KiB / s)

<https://repo1.maven.org/maven2/org/codehaus/janino/janino-parent/3.0.0/janino-parent-3.0.0.pom>

100.0% [##########] 8.2 KiB (58.2 KiB / s)

<https://repo1.maven.org/maven2/org/glassfish/jersey/bundles/repackaged/project/2.22.2/project-2.22.2.pom>

100.0% [##########] 2.7 KiB (19.3 KiB / s)

<https://repo1.maven.org/maven2/org/glassfish/jersey/media/project/2.22.2/project-2.22.2.pom>

100.0% [##########] 2.9 KiB (20.8 KiB / s)

<https://repo1.maven.org/maven2/org/apache/commons/commons-parent/35/commons-parent-35.pom>

100.0% [##########] 56.4 KiB (311.7 KiB / s)

<https://repo1.maven.org/maven2/com/esotericsoftware/kryo-parent/3.0.3/kryo-parent-3.0.3.pom>

100.0% [##########] 4.9 KiB (37.6 KiB / s)

<https://repo1.maven.org/maven2/com/fasterxml/jackson/jackson-parent/2.6.1/jackson-parent-2.6.1.pom>

100.0% [##########] 7.6 KiB (50.4 KiB / s)

<https://repo1.maven.org/maven2/org/apache/hadoop/hadoop-yarn/2.2.0/hadoop-yarn-2.2.0.pom>

100.0% [##########] 6.4 KiB (42.4 KiB / s)

<https://repo1.maven.org/maven2/org/fusesource/leveldbjni/leveldbjni-project/1.8/leveldbjni-project-1.8.pom>

100.0% [##########] 9.4 KiB (62.9 KiB / s)

<https://repo1.maven.org/maven2/org/glassfish/hk2/hk2-parent/2.4.0-b34/hk2-parent-2.4.0-b34.pom>

100.0% [##########] 46.7 KiB (270.0 KiB / s)

<https://repo1.maven.org/maven2/com/google/guava/guava-parent/14.0.1/guava-parent-14.0.1.pom>

100.0% [##########] 2.5 KiB (17.6 KiB / s)

<https://repo1.maven.org/maven2/org/apache/hadoop/hadoop-mapreduce-client/2.2.0/hadoop-mapreduce-client-2.2.0.pom>

100.0% [##########] 6.2 KiB (15.5 KiB / s)

<https://repo1.maven.org/maven2/org/glassfish/hk2/external/2.4.0-b34/external-2.4.0-b34.pom>

100.0% [##########] 2.9 KiB (21.3 KiB / s)

<https://repo1.maven.org/maven2/org/glassfish/pom/8/pom-8.pom>

100.0% [##########] 10.3 KiB (65.2 KiB / s)

<https://repo1.maven.org/maven2/org/glassfish/jersey/bundles/project/2.22.2/project-2.22.2.pom>

100.0% [##########] 3.0 KiB (22.9 KiB / s)

<https://repo1.maven.org/maven2/org/apache/apache/15/apache-15.pom>

100.0% [##########] 14.9 KiB (97.2 KiB / s)

<https://repo1.maven.org/maven2/org/codehaus/codehaus-parent/4/codehaus-parent-4.pom>

100.0% [##########] 4.7 KiB (31.0 KiB / s)

<https://repo1.maven.org/maven2/org/fusesource/fusesource-pom/1.9/fusesource-pom-1.9.pom>

100.0% [##########] 14.4 KiB (95.0 KiB / s)

<https://repo1.maven.org/maven2/com/fasterxml/oss-parent/23/oss-parent-23.pom>

100.0% [##########] 18.8 KiB (108.9 KiB / s)

<https://repo1.maven.org/maven2/org/apache/curator/curator-client/2.4.0/curator-client-2.4.0.pom>

100.0% [##########] 2.2 KiB (15.5 KiB / s)

<https://repo1.maven.org/maven2/org/apache/hadoop/hadoop-mapreduce-client-common/2.2.0/hadoop-mapreduce-client-common-2.2.0.pom>

100.0% [##########] 3.2 KiB (22.0 KiB / s)

<https://repo1.maven.org/maven2/org/javassist/javassist/3.18.1-GA/javassist-3.18.1-GA.pom>

100.0% [##########] 9.3 KiB (64.1 KiB / s)

<https://repo1.maven.org/maven2/org/scala-lang/modules/scala-xml_2.11/1.0.2/scala-xml_2.11-1.0.2.pom>

100.0% [##########] 2.5 KiB (17.0 KiB / s)

<https://repo1.maven.org/maven2/xmlenc/xmlenc/0.52/xmlenc-0.52.pom>

100.0% [##########] 623B (4.2 KiB / s)

<https://repo1.maven.org/maven2/com/google/protobuf/protobuf-java/2.5.0/protobuf-java-2.5.0.pom>

100.0% [##########] 8.2 KiB (60.6 KiB / s)

<https://repo1.maven.org/maven2/commons-lang/commons-lang/2.5/commons-lang-2.5.pom>

100.0% [##########] 16.7 KiB (123.0 KiB / s)

<https://repo1.maven.org/maven2/org/apache/hadoop/hadoop-yarn-common/2.2.0/hadoop-yarn-common-2.2.0.pom>

100.0% [##########] 4.9 KiB (36.7 KiB / s)

<https://repo1.maven.org/maven2/org/mortbay/jetty/jetty-util/6.1.26/jetty-util-6.1.26.pom>

100.0% [##########] 3.8 KiB (26.5 KiB / s)

<https://repo1.maven.org/maven2/commons-net/commons-net/3.1/commons-net-3.1.pom>

100.0% [##########] 18.0 KiB (104.0 KiB / s)

<https://repo1.maven.org/maven2/com/thoughtworks/paranamer/paranamer/2.6/paranamer-2.6.pom>

100.0% [##########] 4.7 KiB (32.2 KiB / s)

<https://repo1.maven.org/maven2/commons-cli/commons-cli/1.2/commons-cli-1.2.pom>

100.0% [##########] 7.8 KiB (54.1 KiB / s)

<https://repo1.maven.org/maven2/org/json4s/json4s-ast_2.11/3.2.11/json4s-ast_2.11-3.2.11.pom>

100.0% [##########] 2.0 KiB (4.9 KiB / s)

<https://repo1.maven.org/maven2/org/objenesis/objenesis/2.1/objenesis-2.1.pom>

100.0% [##########] 2.5 KiB (17.4 KiB / s)

<https://repo1.maven.org/maven2/commons-configuration/commons-configuration/1.6/commons-configuration-1.6.pom>

100.0% [##########] 13.0 KiB (87.9 KiB / s)

<https://repo1.maven.org/maven2/commons-io/commons-io/2.1/commons-io-2.1.pom>

100.0% [##########] 10.4 KiB (66.6 KiB / s)

<https://repo1.maven.org/maven2/org/apache/commons/commons-compress/1.4.1/commons-compress-1.4.1.pom>

100.0% [##########] 10.5 KiB (79.0 KiB / s)

<https://repo1.maven.org/maven2/org/glassfish/hk2/external/aopalliance-repackaged/2.4.0-b34/aopalliance-repackaged-2.4.0-b34.pom>

100.0% [##########] 6.6 KiB (49.3 KiB / s)

<https://repo1.maven.org/maven2/org/scala-lang/scalap/2.11.8/scalap-2.11.8.pom>

100.0% [##########] 1.4 KiB (10.5 KiB / s)

<https://repo1.maven.org/maven2/com/esotericsoftware/minlog/1.3.0/minlog-1.3.0.pom>

100.0% [##########] 3.2 KiB (22.1 KiB / s)

<https://repo1.maven.org/maven2/org/apache/avro/avro/1.7.7/avro-1.7.7.pom>

100.0% [##########] 5.5 KiB (38.7 KiB / s)

<https://repo1.maven.org/maven2/org/apache/hadoop/hadoop-mapreduce-client-shuffle/2.2.0/hadoop-mapreduce-client-shuffle-2.2.0.pom>

100.0% [##########] 1.6 KiB (11.9 KiB / s)

<https://repo1.maven.org/maven2/org/apache/commons/commons-math/2.1/commons-math-2.1.pom>

100.0% [##########] 10.1 KiB (69.5 KiB / s)

<https://repo1.maven.org/maven2/org/apache/hadoop/hadoop-auth/2.2.0/hadoop-auth-2.2.0.pom>

100.0% [##########] 6.9 KiB (48.0 KiB / s)

<https://repo1.maven.org/maven2/org/glassfish/hk2/hk2-utils/2.4.0-b34/hk2-utils-2.4.0-b34.pom>

100.0% [##########] 5.0 KiB (28.1 KiB / s)

<https://repo1.maven.org/maven2/com/google/google/1/google-1.pom>

100.0% [##########] 1.5 KiB (11.5 KiB / s)

<https://repo1.maven.org/maven2/com/thoughtworks/paranamer/paranamer-parent/2.6/paranamer-parent-2.6.pom>

100.0% [##########] 11.0 KiB (72.4 KiB / s)

<https://repo1.maven.org/maven2/org/mortbay/jetty/project/6.1.26/project-6.1.26.pom>

100.0% [##########] 9.0 KiB (59.1 KiB / s)

<https://repo1.maven.org/maven2/org/objenesis/objenesis-parent/2.1/objenesis-parent-2.1.pom>

100.0% [##########] 16.3 KiB (107.3 KiB / s)

<https://repo1.maven.org/maven2/org/apache/commons/commons-parent/24/commons-parent-24.pom>

100.0% [##########] 46.2 KiB (169.7 KiB / s)

<https://repo1.maven.org/maven2/org/apache/commons/commons-parent/23/commons-parent-23.pom>

100.0% [##########] 43.4 KiB (256.6 KiB / s)

<https://repo1.maven.org/maven2/org/apache/commons/commons-parent/22/commons-parent-22.pom>

100.0% [##########] 40.9 KiB (248.1 KiB / s)

<https://repo1.maven.org/maven2/org/apache/commons/commons-parent/14/commons-parent-14.pom>

100.0% [##########] 30.7 KiB (189.2 KiB / s)

<https://repo1.maven.org/maven2/org/apache/commons/commons-parent/12/commons-parent-12.pom>

100.0% [##########] 26.3 KiB (175.3 KiB / s)

<https://repo1.maven.org/maven2/org/apache/commons/commons-parent/11/commons-parent-11.pom>

100.0% [##########] 24.1 KiB (156.3 KiB / s)

<https://repo1.maven.org/maven2/org/apache/apache/9/apache-9.pom>

100.0% [##########] 14.8 KiB (105.7 KiB / s)

<https://repo1.maven.org/maven2/org/mortbay/jetty/jetty-parent/10/jetty-parent-10.pom>

100.0% [##########] 3.2 KiB (22.9 KiB / s)

<https://repo1.maven.org/maven2/org/apache/apache/4/apache-4.pom>

100.0% [##########] 4.4 KiB (31.8 KiB / s)

<https://repo1.maven.org/maven2/org/eclipse/jetty/jetty-parent/14/jetty-parent-14.pom>

100.0% [##########] 16.1 KiB (111.8 KiB / s)

<https://repo1.maven.org/maven2/javax/inject/javax.inject/1/javax.inject-1.pom>

100.0% [##########] 612B (4.6 KiB / s)

<https://repo1.maven.org/maven2/org/apache/hadoop/hadoop-yarn-server-common/2.2.0/hadoop-yarn-server-common-2.2.0.pom>

100.0% [##########] 3.5 KiB (26.3 KiB / s)

<https://repo1.maven.org/maven2/org/tukaani/xz/1.0/xz-1.0.pom>

100.0% [##########] 1.9 KiB (14.2 KiB / s)

<https://repo1.maven.org/maven2/commons-beanutils/commons-beanutils-core/1.8.0/commons-beanutils-core-1.8.0.pom>

100.0% [##########] 1.6 KiB (10.6 KiB / s)

<https://repo1.maven.org/maven2/commons-digester/commons-digester/1.8/commons-digester-1.8.pom>

100.0% [##########] 6.8 KiB (45.3 KiB / s)

<https://repo1.maven.org/maven2/org/apache/hadoop/hadoop-yarn-client/2.2.0/hadoop-yarn-client-2.2.0.pom>

100.0% [##########] 1.9 KiB (13.7 KiB / s)

<https://repo1.maven.org/maven2/org/apache/hadoop/hadoop-yarn-server-nodemanager/2.2.0/hadoop-yarn-server-nodemanager-2.2.0.pom>

100.0% [##########] 7.2 KiB (51.1 KiB / s)

<https://repo1.maven.org/maven2/org/scala-lang/scala-compiler/2.11.8/scala-compiler-2.11.8.pom>

100.0% [##########] 2.3 KiB (16.3 KiB / s)

<https://repo1.maven.org/maven2/commons-collections/commons-collections/3.2.1/commons-collections-3.2.1.pom>

100.0% [##########] 12.2 KiB (31.2 KiB / s)

<https://repo1.maven.org/maven2/org/apache/commons/commons-parent/9/commons-parent-9.pom>

100.0% [##########] 21.4 KiB (137.3 KiB / s)

<https://repo1.maven.org/maven2/org/apache/hadoop/hadoop-yarn-server/2.2.0/hadoop-yarn-server-2.2.0.pom>

100.0% [##########] 1.8 KiB (11.4 KiB / s)

<https://repo1.maven.org/maven2/com/google/inject/guice/3.0/guice-3.0.pom>

100.0% [##########] 7.1 KiB (48.0 KiB / s)

<https://repo1.maven.org/maven2/commons-beanutils/commons-beanutils/1.7.0/commons-beanutils-1.7.0.pom>

100.0% [##########] 357B (2.4 KiB / s)

<https://repo1.maven.org/maven2/org/scala-lang/modules/scala-parser-combinators_2.11/1.0.4/scala-parser-combinators_2.11-1.0.4.pom>

100.0% [##########] 2.1 KiB (14.2 KiB / s)

<https://repo1.maven.org/maven2/org/scala-lang/modules/scala-xml_2.11/1.0.4/scala-xml_2.11-1.0.4.pom>

100.0% [##########] 2.5 KiB (16.6 KiB / s)

<https://repo1.maven.org/maven2/com/google/inject/guice-parent/3.0/guice-parent-3.0.pom>

100.0% [##########] 12.7 KiB (82.8 KiB / s)

<https://repo1.maven.org/maven2/com/google/google/5/google-5.pom>

100.0% [##########] 2.4 KiB (16.7 KiB / s)

<https://repo1.maven.org/maven2/aopalliance/aopalliance/1.0/aopalliance-1.0.pom>

100.0% [##########] 363B (2.5 KiB / s)

<https://repo1.maven.org/maven2/jline/jline/0.9.94/jline-0.9.94.pom>

100.0% [##########] 6.2 KiB (43.1 KiB / s)

[info] Resolved dependencies

[info] Updating

[info] Resolved dependencies

[info] Fetching artifacts of

<https://repo1.maven.org/maven2/org/glassfish/hk2/external/aopalliance-repackaged/2.4.0-b34/aopalliance-repackaged-2.4.0-b34.jar>

100.0% [##########] 14.4 KiB (98.8 KiB / s)

<https://repo1.maven.org/maven2/org/apache/hadoop/hadoop-auth/2.2.0/hadoop-auth-2.2.0.jar>

100.0% [##########] 48.6 KiB (292.7 KiB / s)

<https://repo1.maven.org/maven2/org/apache/spark/spark-sketch_2.11/2.1.0/spark-sketch_2.11-2.1.0.jar>

100.0% [##########] 28.8 KiB (173.8 KiB / s)

<https://repo1.maven.org/maven2/org/apache/parquet/parquet-hadoop/1.8.1/parquet-hadoop-1.8.1.jar>

100.0% [##########] 213.0 KiB (696.0 KiB / s)

<https://repo1.maven.org/maven2/javax/servlet/javax.servlet-api/3.1.0/javax.servlet-api-3.1.0.jar>

100.0% [##########] 93.6 KiB (525.6 KiB / s)

<https://repo1.maven.org/maven2/com/ning/compress-lzf/1.0.3/compress-lzf-1.0.3.jar>

100.0% [##########] 78.0 KiB (428.4 KiB / s)

<https://repo1.maven.org/maven2/commons-digester/commons-digester/1.8/commons-digester-1.8.jar>

100.0% [##########] 140.2 KiB (345.4 KiB / s)

<https://repo1.maven.org/maven2/io/dropwizard/metrics/metrics-graphite/3.1.2/metrics-graphite-3.1.2.jar>

100.0% [##########] 20.4 KiB (137.6 KiB / s)

<https://repo1.maven.org/maven2/org/apache/spark/spark-tags_2.11/2.1.0/spark-tags_2.11-2.1.0.jar>

100.0% [##########] 16.7 KiB (119.3 KiB / s)

<https://repo1.maven.org/maven2/org/glassfish/jersey/containers/jersey-container-servlet/2.22.2/jersey-container-servlet-2.22.2.jar>

100.0% [##########] 17.7 KiB (130.9 KiB / s)

<https://repo1.maven.org/maven2/com/twitter/chill_2.11/0.8.0/chill_2.11-0.8.0.jar>

100.0% [##########] 218.3 KiB (766.1 KiB / s)

<https://repo1.maven.org/maven2/org/apache/hadoop/hadoop-mapreduce-client-core/2.2.0/hadoop-mapreduce-client-core-2.2.0.jar>

100.0% [##########] 1.4 MiB (2.4 MiB / s)

<https://repo1.maven.org/maven2/commons-net/commons-net/3.1/commons-net-3.1.jar>

100.0% [##########] 267.0 KiB (339.6 KiB / s)

<https://repo1.maven.org/maven2/io/dropwizard/metrics/metrics-core/3.1.2/metrics-core-3.1.2.jar>

100.0% [##########] 109.9 KiB (654.3 KiB / s)

<https://repo1.maven.org/maven2/org/glassfish/hk2/hk2-locator/2.4.0-b34/hk2-locator-2.4.0-b34.jar>

100.0% [##########] 177.0 KiB (867.8 KiB / s)

<https://repo1.maven.org/maven2/org/spark-project/spark/unused/1.0.0/unused-1.0.0.jar>

100.0% [##########] 2.7 KiB (18.6 KiB / s)

<https://repo1.maven.org/maven2/org/slf4j/slf4j-api/1.7.16/slf4j-api-1.7.16.jar>

100.0% [##########] 39.6 KiB (295.2 KiB / s)

<https://repo1.maven.org/maven2/org/glassfish/hk2/osgi-resource-locator/1.0.1/osgi-resource-locator-1.0.1.jar>

100.0% [##########] 19.8 KiB (130.9 KiB / s)

<https://repo1.maven.org/maven2/javax/annotation/javax.annotation-api/1.2/javax.annotation-api-1.2.jar>

100.0% [##########] 25.7 KiB (190.7 KiB / s)

<https://repo1.maven.org/maven2/org/apache/hadoop/hadoop-hdfs/2.2.0/hadoop-hdfs-2.2.0.jar>

100.0% [##########] 5.0 MiB (7.0 MiB / s)

<https://repo1.maven.org/maven2/io/dropwizard/metrics/metrics-json/3.1.2/metrics-json-3.1.2.jar>

100.0% [##########] 15.5 KiB (110.4 KiB / s)

<https://repo1.maven.org/maven2/commons-collections/commons-collections/3.2.1/commons-collections-3.2.1.jar>

100.0% [##########] 561.9 KiB (1.8 MiB / s)

<https://repo1.maven.org/maven2/org/apache/spark/spark-unsafe_2.11/2.1.0/spark-unsafe_2.11-2.1.0.jar>

100.0% [##########] 43.1 KiB (297.6 KiB / s)

<https://repo1.maven.org/maven2/org/objenesis/objenesis/2.1/objenesis-2.1.jar>

100.0% [##########] 40.8 KiB (293.4 KiB / s)

<https://repo1.maven.org/maven2/xmlenc/xmlenc/0.52/xmlenc-0.52.jar>

100.0% [##########] 14.7 KiB (99.7 KiB / s)

<https://repo1.maven.org/maven2/io/netty/netty/3.8.0.Final/netty-3.8.0.Final.jar>

100.0% [##########] 1.2 MiB (5.6 MiB / s)

<https://repo1.maven.org/maven2/org/apache/hadoop/hadoop-yarn-client/2.2.0/hadoop-yarn-client-2.2.0.jar>

100.0% [##########] 92.5 KiB (690.4 KiB / s)

<https://repo1.maven.org/maven2/com/twitter/chill-java/0.8.0/chill-java-0.8.0.jar>

100.0% [##########] 49.4 KiB (355.6 KiB / s)

<https://repo1.maven.org/maven2/org/apache/ivy/ivy/2.4.0/ivy-2.4.0.jar>

100.0% [##########] 1.2 MiB (3.1 MiB / s)

<https://repo1.maven.org/maven2/org/glassfish/hk2/hk2-utils/2.4.0-b34/hk2-utils-2.4.0-b34.jar>

100.0% [##########] 116.2 KiB (769.4 KiB / s)

<https://repo1.maven.org/maven2/org/apache/commons/commons-crypto/1.0.0/commons-crypto-1.0.0.jar>

100.0% [##########] 131.4 KiB (932.2 KiB / s)

<https://repo1.maven.org/maven2/org/json4s/json4s-jackson_2.11/3.2.11/json4s-jackson_2.11-3.2.11.jar>

100.0% [##########] 39.4 KiB (264.4 KiB / s)

<https://repo1.maven.org/maven2/com/thoughtworks/paranamer/paranamer/2.6/paranamer-2.6.jar>

100.0% [##########] 32.0 KiB (240.9 KiB / s)

<https://repo1.maven.org/maven2/org/mortbay/jetty/jetty-util/6.1.26/jetty-util-6.1.26.jar>

100.0% [##########] 173.0 KiB (1.0 MiB / s)

<https://repo1.maven.org/maven2/org/apache/spark/spark-catalyst_2.11/2.1.0/spark-catalyst_2.11-2.1.0.jar>

100.0% [##########] 7.0 MiB (7.3 MiB / s)

<https://repo1.maven.org/maven2/org/apache/hadoop/hadoop-yarn-server-nodemanager/2.2.0/hadoop-yarn-server-nodemanager-2.2.0.jar>

100.0% [##########] 456.7 KiB (2.7 MiB / s)

<https://repo1.maven.org/maven2/org/apache/hadoop/hadoop-common/2.2.0/hadoop-common-2.2.0.jar>

100.0% [##########] 2.6 MiB (6.4 MiB / s)

<https://repo1.maven.org/maven2/commons-cli/commons-cli/1.2/commons-cli-1.2.jar>

100.0% [##########] 40.2 KiB (282.8 KiB / s)

<https://repo1.maven.org/maven2/org/apache/curator/curator-framework/2.4.0/curator-framework-2.4.0.jar>

100.0% [##########] 175.5 KiB (1.2 MiB / s)

<https://repo1.maven.org/maven2/org/glassfish/hk2/hk2-api/2.4.0-b34/hk2-api-2.4.0-b34.jar>

100.0% [##########] 174.8 KiB (1.2 MiB / s)

<https://repo1.maven.org/maven2/org/xerial/snappy/snappy-java/1.1.2.6/snappy-java-1.1.2.6.jar>

100.0% [##########] 1.0 MiB (5.7 MiB / s)

<https://repo1.maven.org/maven2/com/esotericsoftware/kryo-shaded/3.0.3/kryo-shaded-3.0.3.jar>

100.0% [##########] 350.0 KiB (2.3 MiB / s)

<https://repo1.maven.org/maven2/javax/inject/javax.inject/1/javax.inject-1.jar>

100.0% [##########] 2.4 KiB (18.3 KiB / s)

<https://repo1.maven.org/maven2/oro/oro/2.0.8/oro-2.0.8.jar>

100.0% [##########] 63.7 KiB (486.5 KiB / s)

<https://repo1.maven.org/maven2/com/esotericsoftware/minlog/1.3.0/minlog-1.3.0.jar>

100.0% [##########] 5.6 KiB (37.4 KiB / s)

<https://repo1.maven.org/maven2/org/scala-lang/scalap/2.11.8/scalap-2.11.8.jar>

100.0% [##########] 784.0 KiB (4.6 MiB / s)

<https://repo1.maven.org/maven2/commons-httpclient/commons-httpclient/3.1/commons-httpclient-3.1.jar>

100.0% [##########] 297.9 KiB (2.0 MiB / s)

<https://repo1.maven.org/maven2/com/univocity/univocity-parsers/2.2.1/univocity-parsers-2.2.1.jar>

100.0% [##########] 317.9 KiB (2.2 MiB / s)

<https://repo1.maven.org/maven2/org/apache/parquet/parquet-column/1.8.1/parquet-column-1.8.1.jar>

100.0% [##########] 923.7 KiB (5.1 MiB / s)

<https://repo1.maven.org/maven2/org/scala-lang/modules/scala-parser-combinators_2.11/1.0.4/scala-parser-combinators_2.11-1.0.4.jar>

100.0% [##########] 413.8 KiB (2.6 MiB / s)

<https://repo1.maven.org/maven2/org/apache/commons/commons-math/2.1/commons-math-2.1.jar>

100.0% [##########] 812.9 KiB (2.4 MiB / s)

<https://repo1.maven.org/maven2/org/apache/spark/spark-network-common_2.11/2.1.0/spark-network-common_2.11-2.1.0.jar>

100.0% [##########] 2.2 MiB (7.9 MiB / s)

<https://repo1.maven.org/maven2/org/json4s/json4s-ast_2.11/3.2.11/json4s-ast_2.11-3.2.11.jar>

100.0% [##########] 80.5 KiB (490.8 KiB / s)

<https://repo1.maven.org/maven2/com/fasterxml/jackson/module/jackson-module-paranamer/2.6.5/jackson-module-paranamer-2.6.5.jar>

100.0% [##########] 40.3 KiB (281.8 KiB / s)

<https://repo1.maven.org/maven2/com/fasterxml/jackson/core/jackson-annotations/2.6.5/jackson-annotations-2.6.5.jar>

100.0% [##########] 45.9 KiB (332.5 KiB / s)

<https://repo1.maven.org/maven2/org/apache/curator/curator-recipes/2.4.0/curator-recipes-2.4.0.jar>

100.0% [##########] 235.7 KiB (1.4 MiB / s)

<https://repo1.maven.org/maven2/org/codehaus/jackson/jackson-mapper-asl/1.9.13/jackson-mapper-asl-1.9.13.jar>

100.0% [##########] 762.4 KiB (4.8 MiB / s)

<https://repo1.maven.org/maven2/io/dropwizard/metrics/metrics-jvm/3.1.2/metrics-jvm-3.1.2.jar>

100.0% [##########] 38.4 KiB (290.6 KiB / s)

<https://repo1.maven.org/maven2/org/apache/curator/curator-client/2.4.0/curator-client-2.4.0.jar>

100.0% [##########] 65.7 KiB (490.1 KiB / s)

<https://repo1.maven.org/maven2/org/apache/avro/avro-ipc/1.7.7/avro-ipc-1.7.7.jar>

100.0% [##########] 188.5 KiB (1.2 MiB / s)

<https://repo1.maven.org/maven2/com/fasterxml/jackson/core/jackson-databind/2.6.5/jackson-databind-2.6.5.jar>

100.0% [##########] 1.1 MiB (5.9 MiB / s)

<https://repo1.maven.org/maven2/org/fusesource/leveldbjni/leveldbjni-all/1.8/leveldbjni-all-1.8.jar>

100.0% [##########] 1021.2 KiB (5.3 MiB / s)

<https://repo1.maven.org/maven2/aopalliance/aopalliance/1.0/aopalliance-1.0.jar>

100.0% [##########] 4.4 KiB (30.3 KiB / s)

<https://repo1.maven.org/maven2/com/google/code/findbugs/jsr305/1.3.9/jsr305-1.3.9.jar>

100.0% [##########] 32.2 KiB (228.7 KiB / s)

<https://repo1.maven.org/maven2/org/apache/commons/commons-math3/3.4.1/commons-math3-3.4.1.jar>

100.0% [##########] 1.9 MiB (6.8 MiB / s)

<https://repo1.maven.org/maven2/org/apache/parquet/parquet-format/2.3.0-incubating/parquet-format-2.3.0-incubating.jar>

100.0% [##########] 378.1 KiB (2.6 MiB / s)

<https://repo1.maven.org/maven2/org/glassfish/hk2/external/javax.inject/2.4.0-b34/javax.inject-2.4.0-b34.jar>

100.0% [##########] 5.8 KiB (43.4 KiB / s)

<https://repo1.maven.org/maven2/net/jpountz/lz4/lz4/1.3.0/lz4-1.3.0.jar>

100.0% [##########] 231.3 KiB (1.6 MiB / s)

<https://repo1.maven.org/maven2/org/codehaus/janino/janino/3.0.0/janino-3.0.0.jar>

100.0% [##########] 718.3 KiB (4.2 MiB / s)

<https://repo1.maven.org/maven2/commons-lang/commons-lang/2.5/commons-lang-2.5.jar>

100.0% [##########] 272.6 KiB (1.8 MiB / s)

<https://repo1.maven.org/maven2/net/java/dev/jets3t/jets3t/0.7.1/jets3t-0.7.1.jar>

100.0% [##########] 368.9 KiB (2.4 MiB / s)

<https://repo1.maven.org/maven2/commons-beanutils/commons-beanutils/1.7.0/commons-beanutils-1.7.0.jar>

100.0% [##########] 184.2 KiB (1.3 MiB / s)

<https://repo1.maven.org/maven2/org/apache/xbean/xbean-asm5-shaded/4.4/xbean-asm5-shaded-4.4.jar>

100.0% [##########] 141.3 KiB (967.6 KiB / s)

<https://repo1.maven.org/maven2/org/apache/parquet/parquet-encoding/1.8.1/parquet-encoding-1.8.1.jar>

100.0% [##########] 278.8 KiB (2.0 MiB / s)

<https://repo1.maven.org/maven2/org/glassfish/jersey/containers/jersey-container-servlet-core/2.22.2/jersey-container-servlet-core-2.22.2.jar>

100.0% [##########] 64.7 KiB (483.0 KiB / s)

<https://repo1.maven.org/maven2/org/roaringbitmap/RoaringBitmap/0.5.11/RoaringBitmap-0.5.11.jar>

100.0% [##########] 197.2 KiB (1011.3 KiB / s)

<https://repo1.maven.org/maven2/jline/jline/0.9.94/jline-0.9.94.jar>

100.0% [##########] 85.3 KiB (631.7 KiB / s)

<https://repo1.maven.org/maven2/org/javassist/javassist/3.18.1-GA/javassist-3.18.1-GA.jar>

100.0% [##########] 697.5 KiB (4.1 MiB / s)

<https://repo1.maven.org/maven2/io/netty/netty-all/4.0.42.Final/netty-all-4.0.42.Final.jar>

100.0% [##########] 2.2 MiB (7.8 MiB / s)

<https://repo1.maven.org/maven2/org/apache/spark/spark-network-shuffle_2.11/2.1.0/spark-network-shuffle_2.11-2.1.0.jar>

100.0% [##########] 60.1 KiB (420.4 KiB / s)

<https://repo1.maven.org/maven2/org/apache/hadoop/hadoop-mapreduce-client-jobclient/2.2.0/hadoop-mapreduce-client-jobclient-2.2.0.jar>

100.0% [##########] 34.4 KiB (233.9 KiB / s)

<https://repo1.maven.org/maven2/org/apache/hadoop/hadoop-yarn-api/2.2.0/hadoop-yarn-api-2.2.0.jar>

100.0% [##########] 1.1 MiB (5.4 MiB / s)

<https://repo1.maven.org/maven2/com/google/protobuf/protobuf-java/2.5.0/protobuf-java-2.5.0.jar>

100.0% [##########] 521.0 KiB (3.5 MiB / s)

<https://repo1.maven.org/maven2/org/slf4j/slf4j-log4j12/1.7.16/slf4j-log4j12-1.7.16.jar>

100.0% [##########] 9.7 KiB (70.8 KiB / s)

<https://repo1.maven.org/maven2/commons-io/commons-io/2.1/commons-io-2.1.jar>

100.0% [##########] 159.3 KiB (1.2 MiB / s)

<https://repo1.maven.org/maven2/org/apache/hadoop/hadoop-mapreduce-client-app/2.2.0/hadoop-mapreduce-client-app-2.2.0.jar>

100.0% [##########] 470.7 KiB (3.0 MiB / s)

<https://repo1.maven.org/maven2/org/tukaani/xz/1.0/xz-1.0.jar>

100.0% [##########] 92.5 KiB (679.8 KiB / s)

<https://repo1.maven.org/maven2/commons-configuration/commons-configuration/1.6/commons-configuration-1.6.jar>

100.0% [##########] 291.8 KiB (2.0 MiB / s)

<https://repo1.maven.org/maven2/org/apache/hadoop/hadoop-yarn-server-common/2.2.0/hadoop-yarn-server-common-2.2.0.jar>

100.0% [##########] 171.4 KiB (1.2 MiB / s)

<https://repo1.maven.org/maven2/org/apache/parquet/parquet-common/1.8.1/parquet-common-1.8.1.jar>

100.0% [##########] 37.7 KiB (256.5 KiB / s)

<https://repo1.maven.org/maven2/org/slf4j/jul-to-slf4j/1.7.16/jul-to-slf4j-1.7.16.jar>

100.0% [##########] 4.5 KiB (31.6 KiB / s)

<https://repo1.maven.org/maven2/org/glassfish/jersey/core/jersey-common/2.22.2/jersey-common-2.22.2.jar>

100.0% [##########] 682.0 KiB (4.1 MiB / s)

<https://repo1.maven.org/maven2/org/glassfish/jersey/media/jersey-media-jaxb/2.22.2/jersey-media-jaxb-2.22.2.jar>

100.0% [##########] 71.0 KiB (473.5 KiB / s)

<https://repo1.maven.org/maven2/org/apache/commons/commons-compress/1.4.1/commons-compress-1.4.1.jar>

100.0% [##########] 235.7 KiB (1.6 MiB / s)

<https://repo1.maven.org/maven2/org/glassfish/jersey/core/jersey-server/2.22.2/jersey-server-2.22.2.jar>

100.0% [##########] 929.4 KiB (5.2 MiB / s)

<https://repo1.maven.org/maven2/org/glassfish/jersey/core/jersey-client/2.22.2/jersey-client-2.22.2.jar>

100.0% [##########] 163.5 KiB (1.1 MiB / s)

<https://repo1.maven.org/maven2/net/razorvine/pyrolite/4.13/pyrolite-4.13.jar>

100.0% [##########] 92.6 KiB (666.0 KiB / s)

<https://repo1.maven.org/maven2/org/scala-lang/scala-reflect/2.11.8/scala-reflect-2.11.8.jar>

100.0% [##########] 4.4 MiB (10.0 MiB / s)

<https://repo1.maven.org/maven2/org/apache/hadoop/hadoop-mapreduce-client-common/2.2.0/hadoop-mapreduce-client-common-2.2.0.jar>

100.0% [##########] 641.0 KiB (4.1 MiB / s)

<https://repo1.maven.org/maven2/commons-codec/commons-codec/1.10/commons-codec-1.10.jar>

100.0% [##########] 277.5 KiB (1.9 MiB / s)

<https://repo1.maven.org/maven2/org/scala-lang/scala-library/2.11.8/scala-library-2.11.8.jar>

100.0% [##########] 5.5 MiB (9.9 MiB / s)

<https://repo1.maven.org/maven2/org/apache/spark/spark-sql_2.11/2.1.0/spark-sql_2.11-2.1.0.jar>

100.0% [##########] 6.4 MiB (9.8 MiB / s)

<https://repo1.maven.org/maven2/com/google/inject/guice/3.0/guice-3.0.jar>

100.0% [##########] 693.8 KiB (4.0 MiB / s)

<https://repo1.maven.org/maven2/javax/validation/validation-api/1.1.0.Final/validation-api-1.1.0.Final.jar>

100.0% [##########] 62.3 KiB (404.4 KiB / s)

<https://repo1.maven.org/maven2/org/apache/commons/commons-lang3/3.5/commons-lang3-3.5.jar>

100.0% [##########] 468.6 KiB (2.8 MiB / s)

<https://repo1.maven.org/maven2/org/codehaus/janino/commons-compiler/3.0.0/commons-compiler-3.0.0.jar>

100.0% [##########] 35.8 KiB (271.0 KiB / s)

<https://repo1.maven.org/maven2/com/fasterxml/jackson/module/jackson-module-scala_2.11/2.6.5/jackson-module-scala_2.11-2.6.5.jar>

100.0% [##########] 503.5 KiB (3.1 MiB / s)

<https://repo1.maven.org/maven2/org/scala-lang/modules/scala-xml_2.11/1.0.4/scala-xml_2.11-1.0.4.jar>

100.0% [##########] 632.7 KiB (3.9 MiB / s)

<https://repo1.maven.org/maven2/org/antlr/antlr4-runtime/4.5.3/antlr4-runtime-4.5.3.jar>

100.0% [##########] 295.2 KiB (1.7 MiB / s)

<https://repo1.maven.org/maven2/org/apache/avro/avro-mapred/1.7.7/avro-mapred-1.7.7-hadoop2.jar>

100.0% [##########] 176.5 KiB (1.2 MiB / s)

<https://repo1.maven.org/maven2/com/clearspring/analytics/stream/2.7.0/stream-2.7.0.jar>

100.0% [##########] 170.3 KiB (1.1 MiB / s)

<https://repo1.maven.org/maven2/org/json4s/json4s-core_2.11/3.2.11/json4s-core_2.11-3.2.11.jar>

100.0% [##########] 575.6 KiB (3.7 MiB / s)

<https://repo1.maven.org/maven2/org/slf4j/jcl-over-slf4j/1.7.16/jcl-over-slf4j-1.7.16.jar>

100.0% [##########] 16.0 KiB (108.4 KiB / s)

<https://repo1.maven.org/maven2/org/scalatest/scalatest_2.11/2.2.6/scalatest_2.11-2.2.6.jar>

100.0% [##########] 7.1 MiB (10.6 MiB / s)

<https://repo1.maven.org/maven2/org/apache/spark/spark-launcher_2.11/2.1.0/spark-launcher_2.11-2.1.0.jar>

100.0% [##########] 65.0 KiB (409.1 KiB / s)

<https://repo1.maven.org/maven2/org/apache/avro/avro-ipc/1.7.7/avro-ipc-1.7.7-tests.jar>

100.0% [##########] 338.5 KiB (2.2 MiB / s)

<https://repo1.maven.org/maven2/org/scala-lang/scala-compiler/2.11.8/scala-compiler-2.11.8.jar>

100.0% [##########] 14.8 MiB (11.4 MiB / s)

<https://repo1.maven.org/maven2/org/apache/hadoop/hadoop-mapreduce-client-shuffle/2.2.0/hadoop-mapreduce-client-shuffle-2.2.0.jar>

100.0% [##########] 21.0 KiB (146.1 KiB / s)

<https://repo1.maven.org/maven2/org/apache/parquet/parquet-jackson/1.8.1/parquet-jackson-1.8.1.jar>

100.0% [##########] 1023.6 KiB (5.6 MiB / s)

<https://repo1.maven.org/maven2/org/apache/hadoop/hadoop-annotations/2.2.0/hadoop-annotations-2.2.0.jar>

100.0% [##########] 16.4 KiB (124.1 KiB / s)

<https://repo1.maven.org/maven2/org/apache/zookeeper/zookeeper/3.4.5/zookeeper-3.4.5.jar>

100.0% [##########] 761.7 KiB (4.3 MiB / s)

<https://repo1.maven.org/maven2/javax/ws/rs/javax.ws.rs-api/2.0.1/javax.ws.rs-api-2.0.1.jar>

100.0% [##########] 112.8 KiB (778.1 KiB / s)

<https://repo1.maven.org/maven2/org/glassfish/jersey/bundles/repackaged/jersey-guava/2.22.2/jersey-guava-2.22.2.jar>

100.0% [##########] 948.5 KiB (5.8 MiB / s)

<https://repo1.maven.org/maven2/com/fasterxml/jackson/core/jackson-core/2.6.5/jackson-core-2.6.5.jar>

100.0% [##########] 252.8 KiB (1.8 MiB / s)

<https://repo1.maven.org/maven2/org/apache/avro/avro/1.7.7/avro-1.7.7.jar>

100.0% [##########] 426.1 KiB (2.9 MiB / s)

<https://repo1.maven.org/maven2/org/apache/hadoop/hadoop-yarn-common/2.2.0/hadoop-yarn-common-2.2.0.jar>

100.0% [##########] 1.2 MiB (7.2 MiB / s)

<https://repo1.maven.org/maven2/commons-beanutils/commons-beanutils-core/1.8.0/commons-beanutils-core-1.8.0.jar>

100.0% [##########] 201.2 KiB (1.5 MiB / s)

<https://repo1.maven.org/maven2/net/sf/py4j/py4j/0.10.4/py4j-0.10.4.jar>

100.0% [##########] 112.8 KiB (761.9 KiB / s)

<https://repo1.maven.org/maven2/org/apache/hadoop/hadoop-client/2.2.0/hadoop-client-2.2.0.jar>

100.0% [##########] 2.5 KiB (17.5 KiB / s)

<https://repo1.maven.org/maven2/org/codehaus/jackson/jackson-core-asl/1.9.13/jackson-core-asl-1.9.13.jar>

100.0% [##########] 226.8 KiB (1.5 MiB / s)

<https://repo1.maven.org/maven2/jline/jline/2.12.1/jline-2.12.1.jar>

100.0% [##########] 208.9 KiB (1.4 MiB / s)

<https://repo1.maven.org/maven2/log4j/log4j/1.2.17/log4j-1.2.17.jar>

100.0% [##########] 478.4 KiB (3.0 MiB / s)

<https://repo1.maven.org/maven2/com/google/guava/guava/14.0.1/guava-14.0.1.jar>

100.0% [##########] 2.1 MiB (7.2 MiB / s)

<https://repo1.maven.org/maven2/org/apache/spark/spark-core_2.11/2.1.0/spark-core_2.11-2.1.0.jar>

100.0% [##########] 11.3 MiB (11.0 MiB / s)

[info] Fetched artifacts of

[success] Total time: 19 s, completed May 25, 2023 8:03:20 AM

*From <*[*https://bigdata.cloudlabs.edureka.co/shell/*](https://bigdata.cloudlabs.edureka.co/shell/)*>*

**Step 4**:

Now create source folder directory mkdir -p src/main/scala/com/edureka/training

This is where scala file will be placed.

**d. Create scala file with code: vi SparkSort.scala**

import org.apache.spark.sql.SparkSession

object HdfsTest {

/\*\* Usage: HdfsTest [file] \*/

def main(args: Array[String]) {

if (args.length < 1) {

System.err.println("Usage: HdfsTest")

System.exit(1)

}

val spark = SparkSession.builder.appName("CustomHdfsTest").getOrCreate()

val file = spark.read.text(args(0)).rdd

val mapped = file.map(s => s.length).cache()

for (iter <- 1 to 10) {

val start = System.currentTimeMillis()

for (x <- mapped) {

x + 2

}

val end = System.currentTimeMillis()

println("-->Iteration " + iter + " took " + (end - start) + " ms")

}

spark.stop()

}

}

**e. Compile the scala package using the command sbt package**

[raghavendr48edu@ip-10-1-1-204 training\_project2]$ **sbt package**

[info] welcome to sbt 1.5.5 (Oracle Corporation Java 1.8.0\_181)

[info] loading project definition from /home/raghavendr48edu/training\_project2/project

[info] loading settings for project training\_project2 from build.sbt ...

[info] set current project to SparkMe Project (in build [file:/home/raghavendr48edu/training\_project2/](file:///\\home\raghavendr48edu\training_project2\))

[info] compiling 1 Scala source to /home/raghavendr48edu/training\_project2/target/scala-2.11/classes ...

[success] Total time: 5 s, completed May 25, 2023 10:18:14 AM

[raghavendr48edu@ip-10-1-1-204 training\_project2]$

*From <*[*https://bigdata.cloudlabs.edureka.co/shell/*](https://bigdata.cloudlabs.edureka.co/shell/)*>*

**f. Copy the input\_sort\_py.txt file to HDFS from local FTP**

**hdfs dfs -copyFromLocal /home/raghavendr48edu/input\_sort\_py.txt**

**g. Submit the spark job with the scala code**

**spark-submit --class com.edureka.training.m4.SparkSort --deploy-mode client target/scala-2.11/sparkme-project\_2.11-1.0.jar input\_sort\_py.txt**

[raghavendr48edu@ip-10-1-1-204 training\_project3]$ **spark-submit --class HdfsTest --deploy-mode client target/scala-2.11/sparkme-project\_2.11-1.0.jar input\_sort\_py.txt**

23/05/25 12:27:09 INFO spark.SparkContext: Running Spark version 2.4.0-cdh6.2.1

23/05/25 12:27:09 INFO logging.DriverLogger: Added a local log appender at: /tmp/spark-149fb59c-5b64-4b50-a117-6212d417e2c9/\_\_driver\_logs\_\_/driver.log

23/05/25 12:27:09 INFO spark.SparkContext: Submitted application: CustomHdfsTest

23/05/25 12:27:09 INFO spark.SecurityManager: Changing view acls to: raghavendr48edu

23/05/25 12:27:09 INFO spark.SecurityManager: Changing modify acls to: raghavendr48edu

23/05/25 12:27:09 INFO spark.SecurityManager: Changing view acls groups to:

23/05/25 12:27:09 INFO spark.SecurityManager: Changing modify acls groups to:

23/05/25 12:27:09 INFO spark.SecurityManager: SecurityManager: authentication disabled; ui acls disabled; users with view permissions: Set(raghavendr48edu);

groups with view permissions: Set(); users with modify permissions: Set(raghavendr48edu); groups with modify permissions: Set()

23/05/25 12:27:09 INFO util.Utils: Successfully started service 'sparkDriver' on port 40066.

23/05/25 12:27:09 INFO spark.SparkEnv: Registering MapOutputTracker

23/05/25 12:27:09 INFO spark.SparkEnv: Registering BlockManagerMaster

23/05/25 12:27:09 INFO storage.BlockManagerMasterEndpoint: Using org.apache.spark.storage.DefaultTopologyMapper for getting topology information

23/05/25 12:27:09 INFO storage.BlockManagerMasterEndpoint: BlockManagerMasterEndpoint up

23/05/25 12:27:09 INFO storage.DiskBlockManager: Created local directory at /tmp/blockmgr-7f3f18dd-6ed8-4d58-b499-fd04eef80a15

23/05/25 12:27:09 INFO memory.MemoryStore: MemoryStore started with capacity 366.3 MB

23/05/25 12:27:09 INFO spark.SparkEnv: Registering OutputCommitCoordinator

23/05/25 12:27:09 INFO spark.SparkContext: Added JAR [file:/home/raghavendr48edu/training\_project3/target/scala-2.11/sparkme-project\_2.11-1.0.jar](file:///\\home\raghavendr48edu\training_project3\target\scala-2.11\sparkme-project_2.11-1.0.jar) at spark://i

p-10-1-1-204.ap-south-1.compute.internal:40066/jars/sparkme-project\_2.11-1.0.jar with timestamp 1685017629956

23/05/25 12:27:10 INFO util.Utils: Using initial executors = 0, max of spark.dynamicAllocation.initialExecutors, spark.dynamicAllocation.minExecutors and spa

rk.executor.instances

23/05/25 12:27:10 INFO client.RMProxy: Connecting to ResourceManager at ip-10-1-1-204.ap-south-1.compute.internal/10.1.1.204:8032

23/05/25 12:27:10 INFO yarn.Client: Requesting a new application from cluster with 3 NodeManagers

23/05/25 12:27:10 INFO conf.Configuration: resource-types.xml not found

23/05/25 12:27:10 INFO resource.ResourceUtils: Unable to find 'resource-types.xml'.

23/05/25 12:27:10 INFO yarn.Client: Verifying our application has not requested more than the maximum memory capability of the cluster (20480 MB per containe

r)

23/05/25 12:27:10 INFO yarn.Client: Will allocate AM container, with 896 MB memory including 384 MB overhead

23/05/25 12:27:10 INFO yarn.Client: Setting up container launch context for our AM

23/05/25 12:27:10 INFO yarn.Client: Setting up the launch environment for our AM container

23/05/25 12:27:10 INFO yarn.Client: Preparing resources for our AM container

23/05/25 12:27:11 INFO yarn.Client: Uploading resource [file:/tmp/spark-149fb59c-5b64-4b50-a117-6212d417e2c9/\_\_spark\_conf\_\_4441404531900358458.zip](file:///\\tmp\spark-149fb59c-5b64-4b50-a117-6212d417e2c9\__spark_conf__4441404531900358458.zip) -> hdfs://n

ameservice1/user/raghavendr48edu/.sparkStaging/application\_1684866872278\_1272/\_\_spark\_conf\_\_.zip

23/05/25 12:27:11 INFO spark.SecurityManager: Changing view acls to: raghavendr48edu

23/05/25 12:27:11 INFO spark.SecurityManager: Changing modify acls to: raghavendr48edu

23/05/25 12:27:11 INFO spark.SecurityManager: Changing view acls groups to:

23/05/25 12:27:11 INFO spark.SecurityManager: Changing modify acls groups to:

23/05/25 12:27:11 INFO spark.SecurityManager: SecurityManager: authentication disabled; ui acls disabled; users with view permissions: Set(raghavendr48edu);

groups with view permissions: Set(); users with modify permissions: Set(raghavendr48edu); groups with modify permissions: Set()

23/05/25 12:27:11 INFO yarn.Client: Submitting application application\_1684866872278\_1272 to ResourceManager

23/05/25 12:27:11 INFO impl.YarnClientImpl: Submitted application application\_1684866872278\_1272

23/05/25 12:27:12 INFO yarn.Client: Application report for application\_1684866872278\_1272 (state: ACCEPTED)

23/05/25 12:27:12 INFO yarn.Client:

client token: N/A

diagnostics: AM container is launched, waiting for AM container to Register with RM

ApplicationMaster host: N/A

ApplicationMaster RPC port: -1

queue: root.default

start time: 1685017631490

final status: UNDEFINED

         tracking URL:  <http://ip-10-1-1-204.ap-south-1.compute.internal:6066/proxy/application_1684866872278_1272/>

user: raghavendr48edu

23/05/25 12:27:13 INFO yarn.Client: Application report for application\_1684866872278\_1272 (state: ACCEPTED)

23/05/25 12:27:14 INFO yarn.Client: Application report for application\_1684866872278\_1272 (state: ACCEPTED)

23/05/25 12:27:15 INFO yarn.Client: Application report for application\_1684866872278\_1272 (state: ACCEPTED)

23/05/25 12:27:16 INFO yarn.Client: Application report for application\_1684866872278\_1272 (state: ACCEPTED)

23/05/25 12:27:17 INFO yarn.Client: Application report for application\_1684866872278\_1272 (state: ACCEPTED)

23/05/25 12:27:18 INFO yarn.Client: Application report for application\_1684866872278\_1272 (state: ACCEPTED)

23/05/25 12:27:19 INFO yarn.Client: Application report for application\_1684866872278\_1272 (state: ACCEPTED)

23/05/25 12:27:20 INFO yarn.Client: Application report for application\_1684866872278\_1272 (state: RUNNING)

23/05/25 12:27:20 INFO yarn.Client:

client token: N/A

diagnostics: N/A

ApplicationMaster host: 10.1.2.40

ApplicationMaster RPC port: -1

queue: root.default

start time: 1685017631490

final status: UNDEFINED

         tracking URL:  <http://ip-10-1-1-204.ap-south-1.compute.internal:6066/proxy/application_1684866872278_1272/>

user: raghavendr48edu

23/05/25 12:27:20 INFO cluster.YarnClientSchedulerBackend: Application application\_1684866872278\_1272 has started running.

23/05/25 12:27:20 INFO cluster.SchedulerExtensionServices: Starting Yarn extension services with app application\_1684866872278\_1272 and attemptId None

23/05/25 12:27:20 INFO util.Utils: Successfully started service 'org.apache.spark.network.netty.NettyBlockTransferService' on port 37637.

23/05/25 12:27:20 INFO netty.NettyBlockTransferService: Server created on ip-10-1-1-204.ap-south-1.compute.internal:37637

23/05/25 12:27:20 INFO storage.BlockManager: Using org.apache.spark.storage.RandomBlockReplicationPolicy for block replication policy

23/05/25 12:27:20 INFO cluster.YarnClientSchedulerBackend: Add WebUI Filter. org.apache.hadoop.yarn.server.webproxy.amfilter.AmIpFilter, Map(PROXY\_HOSTS -> i

p-10-1-1-204.ap-south-1.compute.internal, PROXY\_URI\_BASES ->  <http://ip-10-1-1-204.ap-south-1.compute.internal:6066/proxy/application_1684866872278_1272>), /pr

oxy/application\_1684866872278\_1272

23/05/25 12:27:20 INFO storage.BlockManagerMaster: Registering BlockManager BlockManagerId(driver, ip-10-1-1-204.ap-south-1.compute.internal, 37637, None)

23/05/25 12:27:20 INFO storage.BlockManagerMasterEndpoint: Registering block manager ip-10-1-1-204.ap-south-1.compute.internal:37637 with 366.3 MB RAM, Block

ManagerId(driver, ip-10-1-1-204.ap-south-1.compute.internal, 37637, None)

23/05/25 12:27:20 INFO storage.BlockManagerMaster: Registered BlockManager BlockManagerId(driver, ip-10-1-1-204.ap-south-1.compute.internal, 37637, None)

23/05/25 12:27:20 INFO storage.BlockManager: external shuffle service port = 7337

23/05/25 12:27:20 INFO storage.BlockManager: Initialized BlockManager: BlockManagerId(driver, ip-10-1-1-204.ap-south-1.compute.internal, 37637, None)

23/05/25 12:27:20 INFO util.log: Logging initialized @12715ms

23/05/25 12:27:21 INFO scheduler.EventLoggingListener: Logging events to hdfs://nameservice1/user/spark/applicationHistory/application\_1684866872278\_1272

23/05/25 12:27:21 INFO util.Utils: Using initial executors = 0, max of spark.dynamicAllocation.initialExecutors, spark.dynamicAllocation.minExecutors and spa

rk.executor.instances

23/05/25 12:27:21 WARN cluster.YarnSchedulerBackend$YarnSchedulerEndpoint: Attempted to request executors before the AM has registered!

23/05/25 12:27:21 INFO spark.SparkContext: Registered listener com.cloudera.spark.lineage.NavigatorAppListener

23/05/25 12:27:21 INFO logging.DriverLogger$DfsAsyncWriter: Started driver log file sync to: /user/spark/driverLogs/application\_1684866872278\_1272\_driver.log

23/05/25 12:27:21 INFO cluster.YarnClientSchedulerBackend: SchedulerBackend is ready for scheduling beginning after reached minRegisteredResourcesRatio: 0.8

23/05/25 12:27:21 INFO internal.SharedState: loading hive config file: [file:/etc/hive/conf.cloudera.hive/hive-site.xml](file:///\\etc\hive\conf.cloudera.hive\hive-site.xml)

23/05/25 12:27:21 INFO internal.SharedState: spark.sql.warehouse.dir is not set, but hive.metastore.warehouse.dir is set. Setting spark.sql.warehouse.dir to

the value of hive.metastore.warehouse.dir ('/user/hive/warehouse').

23/05/25 12:27:21 INFO internal.SharedState: Warehouse path is '/user/hive/warehouse'.

23/05/25 12:27:21 INFO state.StateStoreCoordinatorRef: Registered StateStoreCoordinator endpoint

23/05/25 12:27:23 INFO datasources.FileSourceStrategy: Pruning directories with:

23/05/25 12:27:23 INFO datasources.FileSourceStrategy: Post-Scan Filters:

23/05/25 12:27:23 INFO datasources.FileSourceStrategy: Output Data Schema: struct<value: string>

23/05/25 12:27:23 INFO execution.FileSourceScanExec: Pushed Filters:

23/05/25 12:27:23 INFO cluster.YarnSchedulerBackend$YarnSchedulerEndpoint: ApplicationMaster registered as NettyRpcEndpointRef(spark-client://YarnAM)

23/05/25 12:27:24 INFO codegen.CodeGenerator: Code generated in 183.770987 ms

23/05/25 12:27:24 INFO memory.MemoryStore: Block broadcast\_0 stored as values in memory (estimated size 336.4 KB, free 366.0 MB)

23/05/25 12:27:24 INFO memory.MemoryStore: Block broadcast\_0\_piece0 stored as bytes in memory (estimated size 32.2 KB, free 365.9 MB)

23/05/25 12:27:24 INFO storage.BlockManagerInfo: Added broadcast\_0\_piece0 in memory on ip-10-1-1-204.ap-south-1.compute.internal:37637 (size: 32.2 KB, free:

366.3 MB)

23/05/25 12:27:24 INFO spark.SparkContext: Created broadcast 0 from rdd at SparkSort.scala:23

23/05/25 12:27:24 INFO execution.FileSourceScanExec: Planning scan with bin packing, max size: 4194304 bytes, open cost is considered as scanning 4194304 byt

es.

23/05/25 12:27:24 INFO spark.SparkContext: Starting job: foreach at SparkSort.scala:33

23/05/25 12:27:24 INFO scheduler.DAGScheduler: Got job 0 (foreach at SparkSort.scala:33) with 1 output partitions

23/05/25 12:27:24 INFO scheduler.DAGScheduler: Final stage: ResultStage 0 (foreach at SparkSort.scala:33)

23/05/25 12:27:24 INFO scheduler.DAGScheduler: Parents of final stage: List()

23/05/25 12:27:24 INFO scheduler.DAGScheduler: Missing parents: List()

23/05/25 12:27:24 INFO scheduler.DAGScheduler: Submitting ResultStage 0 (MapPartitionsRDD[4] at map at SparkSort.scala:25), which has no missing parents

23/05/25 12:27:24 INFO memory.MemoryStore: Block broadcast\_1 stored as values in memory (estimated size 10.6 KB, free 365.9 MB)

23/05/25 12:27:24 INFO memory.MemoryStore: Block broadcast\_1\_piece0 stored as bytes in memory (estimated size 5.6 KB, free 365.9 MB)

23/05/25 12:27:24 INFO storage.BlockManagerInfo: Added broadcast\_1\_piece0 in memory on ip-10-1-1-204.ap-south-1.compute.internal:37637 (size: 5.6 KB, free: 3

66.3 MB)

23/05/25 12:27:24 INFO spark.SparkContext: Created broadcast 1 from broadcast at DAGScheduler.scala:1164

23/05/25 12:27:24 INFO scheduler.DAGScheduler: Submitting 1 missing tasks from ResultStage 0 (MapPartitionsRDD[4] at map at SparkSort.scala:25) (first 15 tas

ks are for partitions Vector(0))

23/05/25 12:27:24 INFO cluster.YarnScheduler: Adding task set 0.0 with 1 tasks

23/05/25 12:27:24 INFO spark.ExecutorAllocationManager: Requesting 1 new executor because tasks are backlogged (new desired total will be 1)

23/05/25 12:27:35 INFO cluster.YarnSchedulerBackend$YarnDriverEndpoint: Registered executor NettyRpcEndpointRef(spark-client://Executor) (10.1.2.40:54824) wi

th ID 1

23/05/25 12:27:35 INFO spark.ExecutorAllocationManager: New executor 1 has registered (new total is 1)

23/05/25 12:27:35 INFO scheduler.TaskSetManager: Starting task 0.0 in stage 0.0 (TID 0, ip-10-1-2-40.ap-south-1.compute.internal, executor 1, partition 0, NO

DE\_LOCAL, 8347 bytes)

23/05/25 12:27:35 INFO storage.BlockManagerMasterEndpoint: Registering block manager ip-10-1-2-40.ap-south-1.compute.internal:33447 with 366.3 MB RAM, BlockM

anagerId(1, ip-10-1-2-40.ap-south-1.compute.internal, 33447, None)

23/05/25 12:27:36 INFO storage.BlockManagerInfo: Added broadcast\_1\_piece0 in memory on ip-10-1-2-40.ap-south-1.compute.internal:33447 (size: 5.6 KB, free: 36

6.3 MB)

23/05/25 12:27:46 INFO storage.BlockManagerInfo: Added broadcast\_0\_piece0 in memory on ip-10-1-2-40.ap-south-1.compute.internal:33447 (size: 32.2 KB, free: 3

66.3 MB)

23/05/25 12:27:50 INFO storage.BlockManagerInfo: Added rdd\_4\_0 in memory on ip-10-1-2-40.ap-south-1.compute.internal:33447 (size: 32.0 B, free: 366.3 MB)

23/05/25 12:27:50 INFO scheduler.TaskSetManager: Finished task 0.0 in stage 0.0 (TID 0) in 15041 ms on ip-10-1-2-40.ap-south-1.compute.internal (executor 1)

(1/1)

23/05/25 12:27:50 INFO cluster.YarnScheduler: Removed TaskSet 0.0, whose tasks have all completed, from pool

23/05/25 12:27:50 INFO scheduler.DAGScheduler: ResultStage 0 (foreach at SparkSort.scala:33) finished in 25.723 s

23/05/25 12:27:50 INFO scheduler.DAGScheduler: Job 0 finished: foreach at SparkSort.scala:33, took 25.772812 s

-->Iteration 1 took 25786 ms

23/05/25 12:27:50 INFO spark.SparkContext: Starting job: foreach at SparkSort.scala:33

23/05/25 12:27:50 INFO scheduler.DAGScheduler: Got job 1 (foreach at SparkSort.scala:33) with 1 output partitions

23/05/25 12:27:50 INFO scheduler.DAGScheduler: Final stage: ResultStage 1 (foreach at SparkSort.scala:33)

23/05/25 12:27:50 INFO scheduler.DAGScheduler: Parents of final stage: List()

23/05/25 12:27:50 INFO scheduler.DAGScheduler: Missing parents: List()

23/05/25 12:27:50 INFO scheduler.DAGScheduler: Submitting ResultStage 1 (MapPartitionsRDD[4] at map at SparkSort.scala:25), which has no missing parents

23/05/25 12:27:50 INFO memory.MemoryStore: Block broadcast\_2 stored as values in memory (estimated size 10.6 KB, free 365.9 MB)

23/05/25 12:27:50 INFO memory.MemoryStore: Block broadcast\_2\_piece0 stored as bytes in memory (estimated size 5.6 KB, free 365.9 MB)

23/05/25 12:27:50 INFO storage.BlockManagerInfo: Added broadcast\_2\_piece0 in memory on ip-10-1-1-204.ap-south-1.compute.internal:37637 (size: 5.6 KB, free: 3

66.3 MB)

23/05/25 12:27:50 INFO spark.SparkContext: Created broadcast 2 from broadcast at DAGScheduler.scala:1164

23/05/25 12:27:50 INFO scheduler.DAGScheduler: Submitting 1 missing tasks from ResultStage 1 (MapPartitionsRDD[4] at map at SparkSort.scala:25) (first 15 tas

ks are for partitions Vector(0))

23/05/25 12:27:50 INFO cluster.YarnScheduler: Adding task set 1.0 with 1 tasks

23/05/25 12:27:50 INFO scheduler.TaskSetManager: Starting task 0.0 in stage 1.0 (TID 1, ip-10-1-2-40.ap-south-1.compute.internal, executor 1, partition 0, PR

OCESS\_LOCAL, 8347 bytes)

23/05/25 12:27:50 INFO storage.BlockManagerInfo: Added broadcast\_2\_piece0 in memory on ip-10-1-2-40.ap-south-1.compute.internal:33447 (size: 5.6 KB, free: 36

6.3 MB)

23/05/25 12:27:50 INFO scheduler.TaskSetManager: Finished task 0.0 in stage 1.0 (TID 1) in 244 ms on ip-10-1-2-40.ap-south-1.compute.internal (executor 1) (1

/1)

23/05/25 12:27:50 INFO cluster.YarnScheduler: Removed TaskSet 1.0, whose tasks have all completed, from pool

23/05/25 12:27:50 INFO scheduler.DAGScheduler: ResultStage 1 (foreach at SparkSort.scala:33) finished in 0.276 s

23/05/25 12:27:50 INFO scheduler.DAGScheduler: Job 1 finished: foreach at SparkSort.scala:33, took 0.282008 s

-->Iteration 2 took 288 ms

23/05/25 12:27:50 INFO spark.SparkContext: Starting job: foreach at SparkSort.scala:33

23/05/25 12:27:50 INFO scheduler.DAGScheduler: Got job 2 (foreach at SparkSort.scala:33) with 1 output partitions

23/05/25 12:27:50 INFO scheduler.DAGScheduler: Final stage: ResultStage 2 (foreach at SparkSort.scala:33)

23/05/25 12:27:50 INFO scheduler.DAGScheduler: Parents of final stage: List()

23/05/25 12:27:50 INFO scheduler.DAGScheduler: Missing parents: List()

23/05/25 12:27:50 INFO scheduler.DAGScheduler: Submitting ResultStage 2 (MapPartitionsRDD[4] at map at SparkSort.scala:25), which has no missing parents

23/05/25 12:27:50 INFO memory.MemoryStore: Block broadcast\_3 stored as values in memory (estimated size 10.6 KB, free 365.9 MB)

23/05/25 12:27:50 INFO memory.MemoryStore: Block broadcast\_3\_piece0 stored as bytes in memory (estimated size 5.6 KB, free 365.9 MB)

23/05/25 12:27:50 INFO storage.BlockManagerInfo: Added broadcast\_3\_piece0 in memory on ip-10-1-1-204.ap-south-1.compute.internal:37637 (size: 5.6 KB, free: 3

66.3 MB)

23/05/25 12:27:50 INFO spark.SparkContext: Created broadcast 3 from broadcast at DAGScheduler.scala:1164

23/05/25 12:27:50 INFO scheduler.DAGScheduler: Submitting 1 missing tasks from ResultStage 2 (MapPartitionsRDD[4] at map at SparkSort.scala:25) (first 15 tas

ks are for partitions Vector(0))

23/05/25 12:27:50 INFO cluster.YarnScheduler: Adding task set 2.0 with 1 tasks

23/05/25 12:27:50 INFO scheduler.TaskSetManager: Starting task 0.0 in stage 2.0 (TID 2, ip-10-1-2-40.ap-south-1.compute.internal, executor 1, partition 0, PR

OCESS\_LOCAL, 8347 bytes)

23/05/25 12:27:50 INFO storage.BlockManagerInfo: Added broadcast\_3\_piece0 in memory on ip-10-1-2-40.ap-south-1.compute.internal:33447 (size: 5.6 KB, free: 36

6.3 MB)

23/05/25 12:27:50 INFO scheduler.TaskSetManager: Finished task 0.0 in stage 2.0 (TID 2) in 95 ms on ip-10-1-2-40.ap-south-1.compute.internal (executor 1) (1/

1)

23/05/25 12:27:50 INFO cluster.YarnScheduler: Removed TaskSet 2.0, whose tasks have all completed, from pool

23/05/25 12:27:50 INFO scheduler.DAGScheduler: ResultStage 2 (foreach at SparkSort.scala:33) finished in 0.111 s

23/05/25 12:27:50 INFO scheduler.DAGScheduler: Job 2 finished: foreach at SparkSort.scala:33, took 0.118225 s

-->Iteration 3 took 125 ms

23/05/25 12:27:50 INFO spark.SparkContext: Starting job: foreach at SparkSort.scala:33

23/05/25 12:27:50 INFO scheduler.DAGScheduler: Got job 3 (foreach at SparkSort.scala:33) with 1 output partitions

23/05/25 12:27:50 INFO scheduler.DAGScheduler: Final stage: ResultStage 3 (foreach at SparkSort.scala:33)

23/05/25 12:27:50 INFO scheduler.DAGScheduler: Parents of final stage: List()

23/05/25 12:27:50 INFO scheduler.DAGScheduler: Missing parents: List()

23/05/25 12:27:50 INFO scheduler.DAGScheduler: Submitting ResultStage 3 (MapPartitionsRDD[4] at map at SparkSort.scala:25), which has no missing parents

23/05/25 12:27:50 INFO memory.MemoryStore: Block broadcast\_4 stored as values in memory (estimated size 10.6 KB, free 365.9 MB)

23/05/25 12:27:50 INFO memory.MemoryStore: Block broadcast\_4\_piece0 stored as bytes in memory (estimated size 5.6 KB, free 365.9 MB)

23/05/25 12:27:50 INFO storage.BlockManagerInfo: Added broadcast\_4\_piece0 in memory on ip-10-1-1-204.ap-south-1.compute.internal:37637 (size: 5.6 KB, free: 3

66.2 MB)

23/05/25 12:27:50 INFO spark.SparkContext: Created broadcast 4 from broadcast at DAGScheduler.scala:1164

23/05/25 12:27:50 INFO scheduler.DAGScheduler: Submitting 1 missing tasks from ResultStage 3 (MapPartitionsRDD[4] at map at SparkSort.scala:25) (first 15 tas

ks are for partitions Vector(0))

23/05/25 12:27:50 INFO cluster.YarnScheduler: Adding task set 3.0 with 1 tasks

23/05/25 12:27:50 INFO scheduler.TaskSetManager: Starting task 0.0 in stage 3.0 (TID 3, ip-10-1-2-40.ap-south-1.compute.internal, executor 1, partition 0, PR

OCESS\_LOCAL, 8347 bytes)

23/05/25 12:27:50 INFO storage.BlockManagerInfo: Added broadcast\_4\_piece0 in memory on ip-10-1-2-40.ap-south-1.compute.internal:33447 (size: 5.6 KB, free: 36

6.2 MB)

23/05/25 12:27:50 INFO scheduler.TaskSetManager: Finished task 0.0 in stage 3.0 (TID 3) in 70 ms on ip-10-1-2-40.ap-south-1.compute.internal (executor 1) (1/

1)

23/05/25 12:27:50 INFO cluster.YarnScheduler: Removed TaskSet 3.0, whose tasks have all completed, from pool

23/05/25 12:27:50 INFO scheduler.DAGScheduler: ResultStage 3 (foreach at SparkSort.scala:33) finished in 0.083 s

23/05/25 12:27:50 INFO scheduler.DAGScheduler: Job 3 finished: foreach at SparkSort.scala:33, took 0.088030 s

-->Iteration 4 took 93 ms

23/05/25 12:27:50 INFO spark.SparkContext: Starting job: foreach at SparkSort.scala:33

23/05/25 12:27:50 INFO scheduler.DAGScheduler: Got job 4 (foreach at SparkSort.scala:33) with 1 output partitions

23/05/25 12:27:50 INFO scheduler.DAGScheduler: Final stage: ResultStage 4 (foreach at SparkSort.scala:33)

23/05/25 12:27:50 INFO scheduler.DAGScheduler: Parents of final stage: List()

23/05/25 12:27:50 INFO scheduler.DAGScheduler: Missing parents: List()

23/05/25 12:27:50 INFO scheduler.DAGScheduler: Submitting ResultStage 4 (MapPartitionsRDD[4] at map at SparkSort.scala:25), which has no missing parents

23/05/25 12:27:50 INFO memory.MemoryStore: Block broadcast\_5 stored as values in memory (estimated size 10.6 KB, free 365.9 MB)

23/05/25 12:27:50 INFO memory.MemoryStore: Block broadcast\_5\_piece0 stored as bytes in memory (estimated size 5.6 KB, free 365.9 MB)

23/05/25 12:27:50 INFO storage.BlockManagerInfo: Added broadcast\_5\_piece0 in memory on ip-10-1-1-204.ap-south-1.compute.internal:37637 (size: 5.6 KB, free: 3

66.2 MB)

23/05/25 12:27:50 INFO spark.SparkContext: Created broadcast 5 from broadcast at DAGScheduler.scala:1164

23/05/25 12:27:50 INFO scheduler.DAGScheduler: Submitting 1 missing tasks from ResultStage 4 (MapPartitionsRDD[4] at map at SparkSort.scala:25) (first 15 tas

ks are for partitions Vector(0))

23/05/25 12:27:50 INFO cluster.YarnScheduler: Adding task set 4.0 with 1 tasks

23/05/25 12:27:50 INFO scheduler.TaskSetManager: Starting task 0.0 in stage 4.0 (TID 4, ip-10-1-2-40.ap-south-1.compute.internal, executor 1, partition 0, PR

OCESS\_LOCAL, 8347 bytes)

23/05/25 12:27:50 INFO storage.BlockManagerInfo: Added broadcast\_5\_piece0 in memory on ip-10-1-2-40.ap-south-1.compute.internal:33447 (size: 5.6 KB, free: 36

6.2 MB)

23/05/25 12:27:50 INFO scheduler.TaskSetManager: Finished task 0.0 in stage 4.0 (TID 4) in 104 ms on ip-10-1-2-40.ap-south-1.compute.internal (executor 1) (1

/1)

23/05/25 12:27:50 INFO cluster.YarnScheduler: Removed TaskSet 4.0, whose tasks have all completed, from pool

23/05/25 12:27:50 INFO scheduler.DAGScheduler: ResultStage 4 (foreach at SparkSort.scala:33) finished in 0.115 s

23/05/25 12:27:50 INFO scheduler.DAGScheduler: Job 4 finished: foreach at SparkSort.scala:33, took 0.117970 s

-->Iteration 5 took 123 ms

23/05/25 12:27:50 INFO spark.SparkContext: Starting job: foreach at SparkSort.scala:33

23/05/25 12:27:50 INFO scheduler.DAGScheduler: Got job 5 (foreach at SparkSort.scala:33) with 1 output partitions

23/05/25 12:27:50 INFO scheduler.DAGScheduler: Final stage: ResultStage 5 (foreach at SparkSort.scala:33)

23/05/25 12:27:50 INFO scheduler.DAGScheduler: Parents of final stage: List()

23/05/25 12:27:50 INFO scheduler.DAGScheduler: Missing parents: List()

23/05/25 12:27:50 INFO scheduler.DAGScheduler: Submitting ResultStage 5 (MapPartitionsRDD[4] at map at SparkSort.scala:25), which has no missing parents

23/05/25 12:27:50 INFO memory.MemoryStore: Block broadcast\_6 stored as values in memory (estimated size 10.6 KB, free 365.9 MB)

23/05/25 12:27:50 INFO memory.MemoryStore: Block broadcast\_6\_piece0 stored as bytes in memory (estimated size 5.6 KB, free 365.8 MB)

23/05/25 12:27:50 INFO storage.BlockManagerInfo: Added broadcast\_6\_piece0 in memory on ip-10-1-1-204.ap-south-1.compute.internal:37637 (size: 5.6 KB, free: 3

66.2 MB)

23/05/25 12:27:50 INFO spark.SparkContext: Created broadcast 6 from broadcast at DAGScheduler.scala:1164

23/05/25 12:27:50 INFO scheduler.DAGScheduler: Submitting 1 missing tasks from ResultStage 5 (MapPartitionsRDD[4] at map at SparkSort.scala:25) (first 15 tas

ks are for partitions Vector(0))

23/05/25 12:27:50 INFO cluster.YarnScheduler: Adding task set 5.0 with 1 tasks

23/05/25 12:27:50 INFO scheduler.TaskSetManager: Starting task 0.0 in stage 5.0 (TID 5, ip-10-1-2-40.ap-south-1.compute.internal, executor 1, partition 0, PR

OCESS\_LOCAL, 8347 bytes)

23/05/25 12:27:51 INFO storage.BlockManagerInfo: Added broadcast\_6\_piece0 in memory on ip-10-1-2-40.ap-south-1.compute.internal:33447 (size: 5.6 KB, free: 36

6.2 MB)

23/05/25 12:27:51 INFO scheduler.TaskSetManager: Finished task 0.0 in stage 5.0 (TID 5) in 493 ms on ip-10-1-2-40.ap-south-1.compute.internal (executor 1) (1

/1)

23/05/25 12:27:51 INFO cluster.YarnScheduler: Removed TaskSet 5.0, whose tasks have all completed, from pool

23/05/25 12:27:51 INFO scheduler.DAGScheduler: ResultStage 5 (foreach at SparkSort.scala:33) finished in 0.506 s

23/05/25 12:27:51 INFO scheduler.DAGScheduler: Job 5 finished: foreach at SparkSort.scala:33, took 0.510316 s

-->Iteration 6 took 516 ms

23/05/25 12:27:51 INFO spark.SparkContext: Starting job: foreach at SparkSort.scala:33

23/05/25 12:27:51 INFO scheduler.DAGScheduler: Got job 6 (foreach at SparkSort.scala:33) with 1 output partitions

23/05/25 12:27:51 INFO scheduler.DAGScheduler: Final stage: ResultStage 6 (foreach at SparkSort.scala:33)

23/05/25 12:27:51 INFO scheduler.DAGScheduler: Parents of final stage: List()

23/05/25 12:27:51 INFO scheduler.DAGScheduler: Missing parents: List()

23/05/25 12:27:51 INFO scheduler.DAGScheduler: Submitting ResultStage 6 (MapPartitionsRDD[4] at map at SparkSort.scala:25), which has no missing parents

23/05/25 12:27:51 INFO memory.MemoryStore: Block broadcast\_7 stored as values in memory (estimated size 10.6 KB, free 365.8 MB)

23/05/25 12:27:51 INFO memory.MemoryStore: Block broadcast\_7\_piece0 stored as bytes in memory (estimated size 5.6 KB, free 365.8 MB)

23/05/25 12:27:51 INFO storage.BlockManagerInfo: Added broadcast\_7\_piece0 in memory on ip-10-1-1-204.ap-south-1.compute.internal:37637 (size: 5.6 KB, free: 3

66.2 MB)

23/05/25 12:27:51 INFO spark.SparkContext: Created broadcast 7 from broadcast at DAGScheduler.scala:1164

23/05/25 12:27:51 INFO scheduler.DAGScheduler: Submitting 1 missing tasks from ResultStage 6 (MapPartitionsRDD[4] at map at SparkSort.scala:25) (first 15 tas

ks are for partitions Vector(0))

23/05/25 12:27:51 INFO cluster.YarnScheduler: Adding task set 6.0 with 1 tasks

23/05/25 12:27:51 INFO scheduler.TaskSetManager: Starting task 0.0 in stage 6.0 (TID 6, ip-10-1-2-40.ap-south-1.compute.internal, executor 1, partition 0, PR

OCESS\_LOCAL, 8347 bytes)

23/05/25 12:27:51 INFO storage.BlockManagerInfo: Added broadcast\_7\_piece0 in memory on ip-10-1-2-40.ap-south-1.compute.internal:33447 (size: 5.6 KB, free: 36

6.2 MB)

23/05/25 12:27:51 INFO scheduler.TaskSetManager: Finished task 0.0 in stage 6.0 (TID 6) in 94 ms on ip-10-1-2-40.ap-south-1.compute.internal (executor 1) (1/

1)

23/05/25 12:27:51 INFO cluster.YarnScheduler: Removed TaskSet 6.0, whose tasks have all completed, from pool

23/05/25 12:27:51 INFO scheduler.DAGScheduler: ResultStage 6 (foreach at SparkSort.scala:33) finished in 0.108 s

23/05/25 12:27:51 INFO scheduler.DAGScheduler: Job 6 finished: foreach at SparkSort.scala:33, took 0.110870 s

-->Iteration 7 took 115 ms

23/05/25 12:27:51 INFO spark.SparkContext: Starting job: foreach at SparkSort.scala:33

23/05/25 12:27:51 INFO scheduler.DAGScheduler: Got job 7 (foreach at SparkSort.scala:33) with 1 output partitions

23/05/25 12:27:51 INFO scheduler.DAGScheduler: Final stage: ResultStage 7 (foreach at SparkSort.scala:33)

23/05/25 12:27:51 INFO scheduler.DAGScheduler: Parents of final stage: List()

23/05/25 12:27:51 INFO scheduler.DAGScheduler: Missing parents: List()

23/05/25 12:27:51 INFO scheduler.DAGScheduler: Submitting ResultStage 7 (MapPartitionsRDD[4] at map at SparkSort.scala:25), which has no missing parents

23/05/25 12:27:51 INFO memory.MemoryStore: Block broadcast\_8 stored as values in memory (estimated size 10.6 KB, free 365.8 MB)

23/05/25 12:27:51 INFO memory.MemoryStore: Block broadcast\_8\_piece0 stored as bytes in memory (estimated size 5.6 KB, free 365.8 MB)

23/05/25 12:27:51 INFO storage.BlockManagerInfo: Added broadcast\_8\_piece0 in memory on ip-10-1-1-204.ap-south-1.compute.internal:37637 (size: 5.6 KB, free: 3

66.2 MB)

23/05/25 12:27:51 INFO spark.SparkContext: Created broadcast 8 from broadcast at DAGScheduler.scala:1164

23/05/25 12:27:51 INFO scheduler.DAGScheduler: Submitting 1 missing tasks from ResultStage 7 (MapPartitionsRDD[4] at map at SparkSort.scala:25) (first 15 tas

ks are for partitions Vector(0))

23/05/25 12:27:51 INFO cluster.YarnScheduler: Adding task set 7.0 with 1 tasks

23/05/25 12:27:51 INFO scheduler.TaskSetManager: Starting task 0.0 in stage 7.0 (TID 7, ip-10-1-2-40.ap-south-1.compute.internal, executor 1, partition 0, PR

OCESS\_LOCAL, 8347 bytes)

23/05/25 12:27:51 INFO storage.BlockManagerInfo: Added broadcast\_8\_piece0 in memory on ip-10-1-2-40.ap-south-1.compute.internal:33447 (size: 5.6 KB, free: 36

6.2 MB)

23/05/25 12:27:51 INFO scheduler.TaskSetManager: Finished task 0.0 in stage 7.0 (TID 7) in 70 ms on ip-10-1-2-40.ap-south-1.compute.internal (executor 1) (1/

1)

23/05/25 12:27:51 INFO cluster.YarnScheduler: Removed TaskSet 7.0, whose tasks have all completed, from pool

23/05/25 12:27:51 INFO scheduler.DAGScheduler: ResultStage 7 (foreach at SparkSort.scala:33) finished in 0.081 s

23/05/25 12:27:51 INFO scheduler.DAGScheduler: Job 7 finished: foreach at SparkSort.scala:33, took 0.084157 s

-->Iteration 8 took 89 ms

23/05/25 12:27:51 INFO spark.SparkContext: Starting job: foreach at SparkSort.scala:33

23/05/25 12:27:51 INFO scheduler.DAGScheduler: Got job 8 (foreach at SparkSort.scala:33) with 1 output partitions

23/05/25 12:27:51 INFO scheduler.DAGScheduler: Final stage: ResultStage 8 (foreach at SparkSort.scala:33)

23/05/25 12:27:51 INFO scheduler.DAGScheduler: Parents of final stage: List()

23/05/25 12:27:51 INFO scheduler.DAGScheduler: Missing parents: List()

23/05/25 12:27:51 INFO scheduler.DAGScheduler: Submitting ResultStage 8 (MapPartitionsRDD[4] at map at SparkSort.scala:25), which has no missing parents

23/05/25 12:27:51 INFO memory.MemoryStore: Block broadcast\_9 stored as values in memory (estimated size 10.6 KB, free 365.8 MB)

23/05/25 12:27:51 INFO memory.MemoryStore: Block broadcast\_9\_piece0 stored as bytes in memory (estimated size 5.6 KB, free 365.8 MB)

23/05/25 12:27:51 INFO storage.BlockManagerInfo: Added broadcast\_9\_piece0 in memory on ip-10-1-1-204.ap-south-1.compute.internal:37637 (size: 5.6 KB, free: 3

66.2 MB)

23/05/25 12:27:51 INFO spark.SparkContext: Created broadcast 9 from broadcast at DAGScheduler.scala:1164

23/05/25 12:27:51 INFO scheduler.DAGScheduler: Submitting 1 missing tasks from ResultStage 8 (MapPartitionsRDD[4] at map at SparkSort.scala:25) (first 15 tas

ks are for partitions Vector(0))

23/05/25 12:27:51 INFO cluster.YarnScheduler: Adding task set 8.0 with 1 tasks

23/05/25 12:27:51 INFO scheduler.TaskSetManager: Starting task 0.0 in stage 8.0 (TID 8, ip-10-1-2-40.ap-south-1.compute.internal, executor 1, partition 0, PR

OCESS\_LOCAL, 8347 bytes)

23/05/25 12:27:51 INFO storage.BlockManagerInfo: Added broadcast\_9\_piece0 in memory on ip-10-1-2-40.ap-south-1.compute.internal:33447 (size: 5.6 KB, free: 36

6.2 MB)

23/05/25 12:27:51 INFO scheduler.TaskSetManager: Finished task 0.0 in stage 8.0 (TID 8) in 60 ms on ip-10-1-2-40.ap-south-1.compute.internal (executor 1) (1/

1)

23/05/25 12:27:51 INFO cluster.YarnScheduler: Removed TaskSet 8.0, whose tasks have all completed, from pool

23/05/25 12:27:51 INFO scheduler.DAGScheduler: ResultStage 8 (foreach at SparkSort.scala:33) finished in 0.072 s

23/05/25 12:27:51 INFO scheduler.DAGScheduler: Job 8 finished: foreach at SparkSort.scala:33, took 0.075601 s

-->Iteration 9 took 80 ms

23/05/25 12:27:51 INFO spark.SparkContext: Starting job: foreach at SparkSort.scala:33

23/05/25 12:27:51 INFO scheduler.DAGScheduler: Got job 9 (foreach at SparkSort.scala:33) with 1 output partitions

23/05/25 12:27:51 INFO scheduler.DAGScheduler: Final stage: ResultStage 9 (foreach at SparkSort.scala:33)

23/05/25 12:27:51 INFO scheduler.DAGScheduler: Parents of final stage: List()

23/05/25 12:27:51 INFO scheduler.DAGScheduler: Missing parents: List()

23/05/25 12:27:51 INFO scheduler.DAGScheduler: Submitting ResultStage 9 (MapPartitionsRDD[4] at map at SparkSort.scala:25), which has no missing parents

23/05/25 12:27:51 INFO memory.MemoryStore: Block broadcast\_10 stored as values in memory (estimated size 10.6 KB, free 365.8 MB)

23/05/25 12:27:51 INFO memory.MemoryStore: Block broadcast\_10\_piece0 stored as bytes in memory (estimated size 5.6 KB, free 365.8 MB)

23/05/25 12:27:51 INFO storage.BlockManagerInfo: Added broadcast\_10\_piece0 in memory on ip-10-1-1-204.ap-south-1.compute.internal:37637 (size: 5.6 KB, free:

366.2 MB)

23/05/25 12:27:51 INFO spark.SparkContext: Created broadcast 10 from broadcast at DAGScheduler.scala:1164

23/05/25 12:27:51 INFO scheduler.DAGScheduler: Submitting 1 missing tasks from ResultStage 9 (MapPartitionsRDD[4] at map at SparkSort.scala:25) (first 15 tas

ks are for partitions Vector(0))

23/05/25 12:27:51 INFO cluster.YarnScheduler: Adding task set 9.0 with 1 tasks

23/05/25 12:27:51 INFO scheduler.TaskSetManager: Starting task 0.0 in stage 9.0 (TID 9, ip-10-1-2-40.ap-south-1.compute.internal, executor 1, partition 0, PR

OCESS\_LOCAL, 8347 bytes)

23/05/25 12:27:51 INFO storage.BlockManagerInfo: Added broadcast\_10\_piece0 in memory on ip-10-1-2-40.ap-south-1.compute.internal:33447 (size: 5.6 KB, free: 3

66.2 MB)

23/05/25 12:27:51 INFO scheduler.TaskSetManager: Finished task 0.0 in stage 9.0 (TID 9) in 73 ms on ip-10-1-2-40.ap-south-1.compute.internal (executor 1) (1/

1)

23/05/25 12:27:51 INFO cluster.YarnScheduler: Removed TaskSet 9.0, whose tasks have all completed, from pool

23/05/25 12:27:51 INFO scheduler.DAGScheduler: ResultStage 9 (foreach at SparkSort.scala:33) finished in 0.085 s

23/05/25 12:27:51 INFO scheduler.DAGScheduler: Job 9 finished: foreach at SparkSort.scala:33, took 0.088958 s

-->Iteration 10 took 94 ms

23/05/25 12:27:51 INFO cluster.YarnClientSchedulerBackend: Interrupting monitor thread

23/05/25 12:27:51 INFO cluster.YarnClientSchedulerBackend: Shutting down all executors

23/05/25 12:27:51 INFO cluster.YarnSchedulerBackend$YarnDriverEndpoint: Asking each executor to shut down

23/05/25 12:27:51 INFO cluster.SchedulerExtensionServices: Stopping SchedulerExtensionServices

(serviceOption=None,

services=List(),

started=false)

23/05/25 12:27:51 INFO cluster.YarnClientSchedulerBackend: Stopped

23/05/25 12:27:51 INFO spark.MapOutputTrackerMasterEndpoint: MapOutputTrackerMasterEndpoint stopped!

23/05/25 12:27:51 INFO memory.MemoryStore: MemoryStore cleared

23/05/25 12:27:51 INFO storage.BlockManager: BlockManager stopped

23/05/25 12:27:51 INFO storage.BlockManagerMaster: BlockManagerMaster stopped

23/05/25 12:27:51 INFO scheduler.OutputCommitCoordinator$OutputCommitCoordinatorEndpoint: OutputCommitCoordinator stopped!

23/05/25 12:27:51 INFO spark.SparkContext: Successfully stopped SparkContext

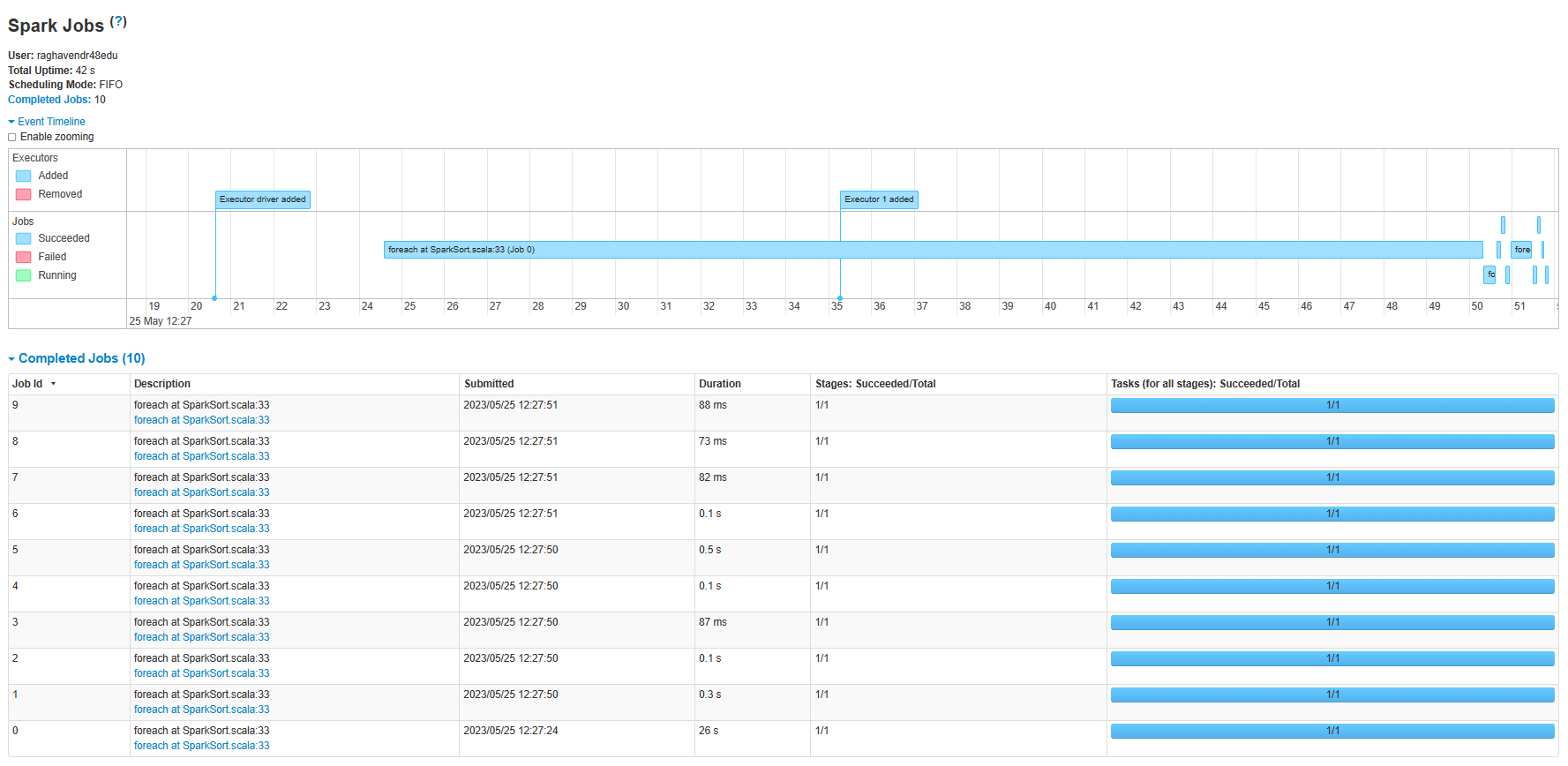
23/05/25 12:27:51 INFO util.ShutdownHookManager: Shutdown hook called

23/05/25 12:27:51 INFO util.ShutdownHookManager: Deleting directory /tmp/spark-149fb59c-5b64-4b50-a117-6212d417e2c9

23/05/25 12:27:51 INFO util.ShutdownHookManager: Deleting directory /tmp/spark-aeca6266-9a43-4039-b421-4d6e67bad587

[raghavendr48edu@ip-10-1-1-204 training\_project3]$

*From <*[*https://bigdata.cloudlabs.edureka.co/shell/*](https://bigdata.cloudlabs.edureka.co/shell/)*>*



2.Try to implement the same example in pyspark and perform spark-submit.

**/input\_sort\_py.txt**

1 2 3 0 15 8 7  
10 2 24 14 1 8 90 101 2 3 0 15 8 7  
10 2 24 14 1 8 90 101 2 3 0 15 8 7

*From <*[*http://bigdata.cloudlabs.edureka.co:8888/hue/filebrowser/view=/user/raghavendr48edu/use\_cases/input\_sort\_py.txt*](http://bigdata.cloudlabs.edureka.co:8888/hue/filebrowser/view=/user/raghavendr48edu/use_cases/input_sort_py.txt)*>*

**spark-submit --class org.apache.spark.examples.HdfsTest --master yarn --deploy-mode cluster /opt/cloudera/parcels/CDH-6.2.1-1.cdh6.2.1.p0.1425774/lib/spark/examples/jars/spark-examples\*.jar use\_cases/input\_sort\_py.txt**

23/05/18 06:27:30 INFO client.RMProxy: Connecting to ResourceManager at ip-10-1-1-204.ap-south-1.compute.internal/10.1.1.204:8032

23/05/18 06:27:30 INFO yarn.Client: Requesting a new application from cluster with 3 NodeManagers

23/05/18 06:27:30 INFO conf.Configuration: resource-types.xml not found

23/05/18 06:27:30 INFO resource.ResourceUtils: Unable to find 'resource-types.xml'.

23/05/18 06:27:30 INFO yarn.Client: Verifying our application has not requested more than the maximum memory capability of the cluster (20480 MB per container)

23/05/18 06:27:30 INFO yarn.Client: Will allocate AM container, with 1408 MB memory including 384 MB overhead

23/05/18 06:27:30 INFO yarn.Client: Setting up container launch context for our AM

23/05/18 06:27:30 INFO yarn.Client: Setting up the launch environment for our AM container

23/05/18 06:27:30 INFO yarn.Client: Preparing resources for our AM container

23/05/18 06:27:30 INFO yarn.Client: Uploading resource [file:/opt/cloudera/parcels/CDH-6.2.1-1.cdh6.2.1.p0.1425774/lib/spark/examples/jars/spark-examples\_2.11-2.4.0-cdh6.2.1.jar](file:///\\opt\cloudera\parcels\CDH-6.2.1-1.cdh6.2.1.p0.1425774\lib\spark\examples\jars\spark-examples_2.11-2.4.0-cdh6.2.1.jar) -> hdfs://nameservi

ce1/user/raghavendr48edu/.sparkStaging/application\_1684298513961\_0025/spark-examples\_2.11-2.4.0-cdh6.2.1.jar

23/05/18 06:27:31 INFO yarn.Client: Uploading resource [file:/tmp/spark-cfe28f48-65a9-4f7f-8ff8-b6cb5fd22b8f/\_\_spark\_conf\_\_4970982468786708687.zip](file:///\\tmp\spark-cfe28f48-65a9-4f7f-8ff8-b6cb5fd22b8f\__spark_conf__4970982468786708687.zip) -> hdfs://nameservice1/user/raghavendr48edu/.spark

Staging/application\_1684298513961\_0025/\_\_spark\_conf\_\_.zip

23/05/18 06:27:31 INFO spark.SecurityManager: Changing view acls to: raghavendr48edu

23/05/18 06:27:31 INFO spark.SecurityManager: Changing modify acls to: raghavendr48edu

23/05/18 06:27:31 INFO spark.SecurityManager: Changing view acls groups to:

23/05/18 06:27:31 INFO spark.SecurityManager: Changing modify acls groups to:

23/05/18 06:27:31 INFO spark.SecurityManager: SecurityManager: authentication disabled; ui acls disabled; users with view permissions: Set(raghavendr48edu); groups with view permissions: Set(); u

sers with modify permissions: Set(raghavendr48edu); groups with modify permissions: Set()

23/05/18 06:27:31 INFO conf.HiveConf: Found configuration file [file:/etc/hive/conf.cloudera.hive/hive-site.xml](file:///\\etc\hive\conf.cloudera.hive\hive-site.xml)

23/05/18 06:27:31 INFO security.YARNHadoopDelegationTokenManager: Attempting to load user's ticket cache.

23/05/18 06:27:31 INFO yarn.Client: Submitting application application\_1684298513961\_0025 to ResourceManager

23/05/18 06:27:31 INFO impl.YarnClientImpl: Submitted application application\_1684298513961\_0025

23/05/18 06:27:32 INFO yarn.Client: Application report for application\_1684298513961\_0025 (state: ACCEPTED)

23/05/18 06:27:32 INFO yarn.Client:

client token: N/A

diagnostics: AM container is launched, waiting for AM container to Register with RM

ApplicationMaster host: N/A

ApplicationMaster RPC port: -1

queue: root.default

start time: 1684391251521

final status: UNDEFINED

         tracking URL:  <http://ip-10-1-1-204.ap-south-1.compute.internal:6066/proxy/application_1684298513961_0025/>

user: raghavendr48edu

23/05/18 06:27:33 INFO yarn.Client: Application report for application\_1684298513961\_0025 (state: ACCEPTED)

23/05/18 06:27:34 INFO yarn.Client: Application report for application\_1684298513961\_0025 (state: ACCEPTED)

23/05/18 06:27:35 INFO yarn.Client: Application report for application\_1684298513961\_0025 (state: ACCEPTED)

23/05/18 06:27:36 INFO yarn.Client: Application report for application\_1684298513961\_0025 (state: ACCEPTED)

23/05/18 06:27:37 INFO yarn.Client: Application report for application\_1684298513961\_0025 (state: ACCEPTED)

23/05/18 06:27:38 INFO yarn.Client: Application report for application\_1684298513961\_0025 (state: ACCEPTED)

23/05/18 06:27:39 INFO yarn.Client: Application report for application\_1684298513961\_0025 (state: ACCEPTED)

23/05/18 06:27:40 INFO yarn.Client: Application report for application\_1684298513961\_0025 (state: ACCEPTED)

23/05/18 06:27:41 INFO yarn.Client: Application report for application\_1684298513961\_0025 (state: ACCEPTED)

23/05/18 06:27:42 INFO yarn.Client: Application report for application\_1684298513961\_0025 (state: ACCEPTED)

23/05/18 06:27:43 INFO yarn.Client: Application report for application\_1684298513961\_0025 (state: ACCEPTED)

23/05/18 06:27:44 INFO yarn.Client: Application report for application\_1684298513961\_0025 (state: ACCEPTED)

23/05/18 06:27:45 INFO yarn.Client: Application report for application\_1684298513961\_0025 (state: ACCEPTED)

23/05/18 06:27:46 INFO yarn.Client: Application report for application\_1684298513961\_0025 (state: RUNNING)

23/05/18 06:27:46 INFO yarn.Client:

client token: N/A

diagnostics: N/A

ApplicationMaster host: ip-10-1-2-40.ap-south-1.compute.internal

ApplicationMaster RPC port: 33438

queue: root.default

start time: 1684391251521

final status: UNDEFINED

         tracking URL:  <http://ip-10-1-1-204.ap-south-1.compute.internal:6066/proxy/application_1684298513961_0025/>

user: raghavendr48edu

23/05/18 06:27:47 INFO yarn.Client: Application report for application\_1684298513961\_0025 (state: RUNNING)

23/05/18 06:27:48 INFO yarn.Client: Application report for application\_1684298513961\_0025 (state: RUNNING)

23/05/18 06:27:49 INFO yarn.Client: Application report for application\_1684298513961\_0025 (state: RUNNING)

23/05/18 06:27:50 INFO yarn.Client: Application report for application\_1684298513961\_0025 (state: RUNNING)

23/05/18 06:27:51 INFO yarn.Client: Application report for application\_1684298513961\_0025 (state: RUNNING)

23/05/18 06:27:52 INFO yarn.Client: Application report for application\_1684298513961\_0025 (state: RUNNING)

23/05/18 06:27:53 INFO yarn.Client: Application report for application\_1684298513961\_0025 (state: RUNNING)

23/05/18 06:27:54 INFO yarn.Client: Application report for application\_1684298513961\_0025 (state: RUNNING)

23/05/18 06:27:55 INFO yarn.Client: Application report for application\_1684298513961\_0025 (state: RUNNING)

23/05/18 06:27:56 INFO yarn.Client: Application report for application\_1684298513961\_0025 (state: RUNNING)

23/05/18 06:27:57 INFO yarn.Client: Application report for application\_1684298513961\_0025 (state: RUNNING)

23/05/18 06:27:58 INFO yarn.Client: Application report for application\_1684298513961\_0025 (state: RUNNING)

23/05/18 06:27:59 INFO yarn.Client: Application report for application\_1684298513961\_0025 (state: RUNNING)

23/05/18 06:28:00 INFO yarn.Client: Application report for application\_1684298513961\_0025 (state: RUNNING)

23/05/18 06:28:01 INFO yarn.Client: Application report for application\_1684298513961\_0025 (state: RUNNING)

23/05/18 06:28:02 INFO yarn.Client: Application report for application\_1684298513961\_0025 (state: RUNNING)

23/05/18 06:28:03 INFO yarn.Client: Application report for application\_1684298513961\_0025 (state: RUNNING)

23/05/18 06:28:04 INFO yarn.Client: Application report for application\_1684298513961\_0025 (state: RUNNING)

23/05/18 06:28:05 INFO yarn.Client: Application report for application\_1684298513961\_0025 (state: RUNNING)

23/05/18 06:28:06 INFO yarn.Client: Application report for application\_1684298513961\_0025 (state: RUNNING)

23/05/18 06:28:07 INFO yarn.Client: Application report for application\_1684298513961\_0025 (state: FINISHED)

23/05/18 06:28:07 INFO yarn.Client:

client token: N/A

diagnostics: N/A

ApplicationMaster host: ip-10-1-2-40.ap-south-1.compute.internal

ApplicationMaster RPC port: 33438

queue: root.default

start time: 1684391251521

final status: SUCCEEDED

         tracking URL:  <http://ip-10-1-1-204.ap-south-1.compute.internal:6066/proxy/application_1684298513961_0025/>

user: raghavendr48edu

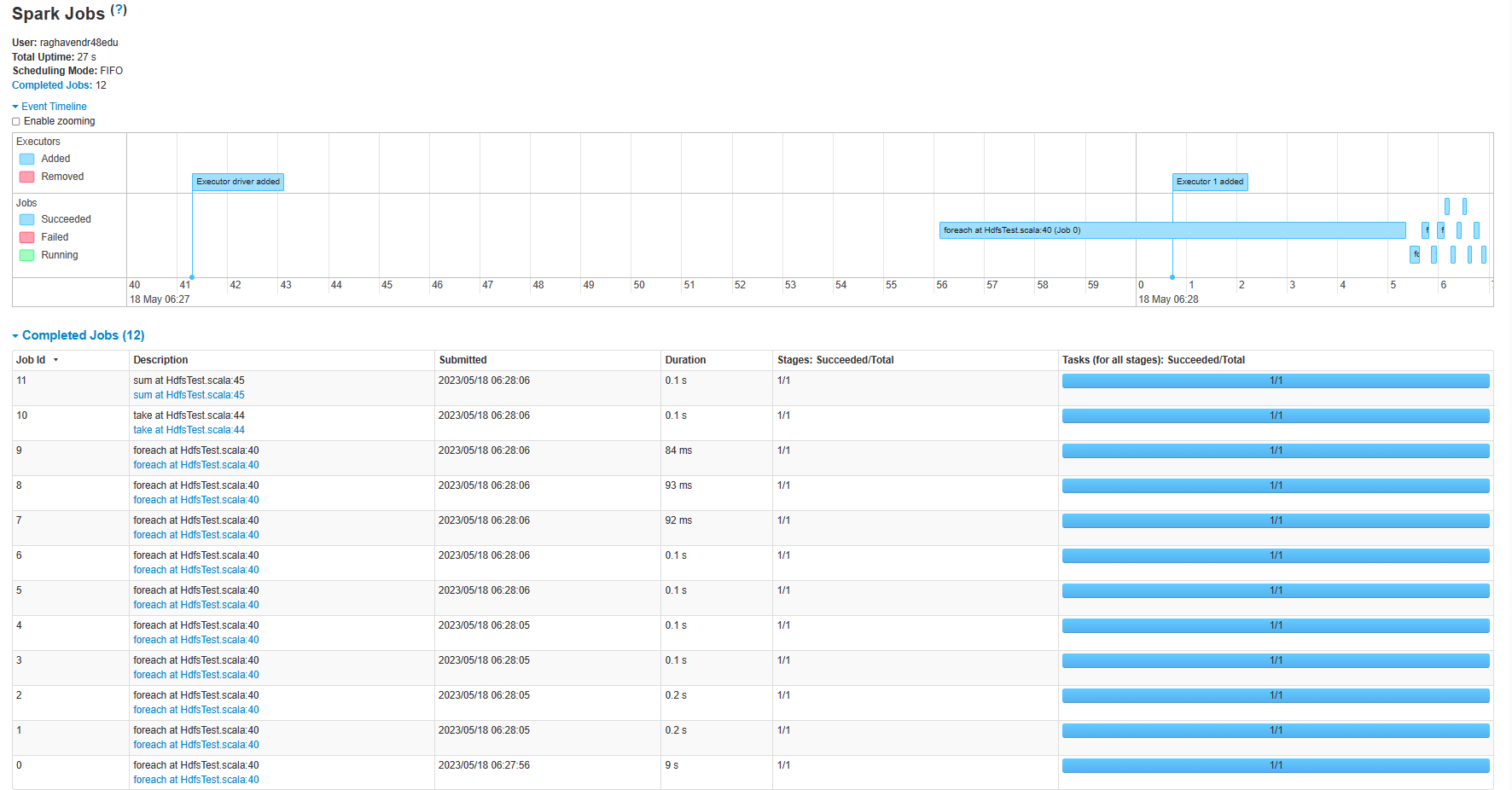
23/05/18 06:28:07 INFO util.ShutdownHookManager: Shutdown hook called

23/05/18 06:28:07 INFO util.ShutdownHookManager: Deleting directory /tmp/spark-f0f0186d-24ee-4775-b22c-558a17f3b8d0

23/05/18 06:28:07 INFO util.ShutdownHookManager: Deleting directory /tmp/spark-cfe28f48-65a9-4f7f-8ff8-b6cb5fd22b8f

*From <*[*https://bigdata.cloudlabs.edureka.co/shell/*](https://bigdata.cloudlabs.edureka.co/shell/)*>*

3.Analyze the behavior of spark application on Spark web UI



**sort.py**

from \_\_future\_\_ import print\_function  
import sys,time  
from pyspark.sql import SparkSession  
if \_\_name\_\_ == "\_\_main\_\_":  
 if len(sys.argv) != 2:  
 print("Usage: hdfstest.py <file>", file=sys.stderr)  
 exit(-1)  
 spark = SparkSession\  
 .builder\  
 .appName("HdfsTest\_py")\  
 .getOrCreate()  
 file\_ = spark.read.text(sys.argv[1]).rdd  
 mapped = file\_.map(lambda s:len(s)).cache()  
 for i in range(10):  
 start\_time = time.time()  
 mapped.map(lambda x: x+2)  
 end\_time = time.time()  
 print('----> Iteration took:', end\_time - start\_time,'ms')  
 spark.stop()

*From <*[*http://bigdata.cloudlabs.edureka.co:8888/hue/filebrowser/view=/user/raghavendr48edu/use\_cases/sort.py*](http://bigdata.cloudlabs.edureka.co:8888/hue/filebrowser/view=/user/raghavendr48edu/use_cases/sort.py)*>*

[raghavendr48edu@ip-10-1-1-204 ~]$ **spark-submit --class org.apache.spark.examples.HdfsTest --master yarn --deploy-mode cluster /opt/cloudera/parcels/CDH-6.2.1-1.cdh6.2.1.p0.1425774/lib/spark/examples/jars/spark-examples\*.jar  use\_cases/sort.py**

23/05/18 06:32:25 INFO client.RMProxy: Connecting to ResourceManager at ip-10-1-1-204.ap-south-1.compute.internal/10.1.1.204:8032

23/05/18 06:32:25 INFO yarn.Client: Requesting a new application from cluster with 3 NodeManagers

23/05/18 06:32:25 INFO conf.Configuration: resource-types.xml not found

23/05/18 06:32:25 INFO resource.ResourceUtils: Unable to find 'resource-types.xml'.

23/05/18 06:32:25 INFO yarn.Client: Verifying our application has not requested more than the maximum memory capability of the cluster (20480 MB per containe

23/05/18 06:32:25 INFO yarn.Client: Will allocate AM container, with 1408 MB memory including 384 MB overhead

23/05/18 06:32:25 INFO yarn.Client: Setting up container launch context for our AM

23/05/18 06:32:25 INFO yarn.Client: Setting up the launch environment for our AM container

23/05/18 06:32:25 INFO yarn.Client: Preparing resources for our AM container

23/05/18 06:32:25 INFO yarn.Client: Uploading resource [file:/opt/cloudera/parcels/CDH-6.2.1-1.cdh6.2.1.p0.1425774/lib/spark/examples/jars/spark-examples\_2.11](file:///\\opt\cloudera\parcels\CDH-6.2.1-1.cdh6.2.1.p0.1425774\lib\spark\examples\jars\spark-examples_2.11)

application\_1684298513961\_0026/spark-examples\_2.11-2.4.0-cdh6.2.1.jar

23/05/18 06:32:25 INFO yarn.Client: Uploading resource [file:/tmp/spark-254c41ee-8256-452e-ae25-d9efd412afdd/\_\_spark\_conf\_\_2681805809164057652.zip](file:///\\tmp\spark-254c41ee-8256-452e-ae25-d9efd412afdd\__spark_conf__2681805809164057652.zip) -> hdfs://n

\_\_spark\_conf\_\_.zip

23/05/18 06:32:25 INFO spark.SecurityManager: Changing view acls to: raghavendr48edu

23/05/18 06:32:25 INFO spark.SecurityManager: Changing modify acls to: raghavendr48edu

23/05/18 06:32:25 INFO spark.SecurityManager: Changing view acls groups to:

23/05/18 06:32:25 INFO spark.SecurityManager: Changing modify acls groups to:

23/05/18 06:32:25 INFO spark.SecurityManager: SecurityManager: authentication disabled; ui acls disabled; users with view permissions: Set(raghavendr48edu);

avendr48edu); groups with modify permissions: Set()

23/05/18 06:32:25 INFO conf.HiveConf: Found configuration file [file:/etc/hive/conf.cloudera.hive/hive-site.xml](file:///\\etc\hive\conf.cloudera.hive\hive-site.xml)

23/05/18 06:32:26 INFO security.YARNHadoopDelegationTokenManager: Attempting to load user's ticket cache.

23/05/18 06:32:26 INFO yarn.Client: Submitting application application\_1684298513961\_0026 to ResourceManager

23/05/18 06:32:26 INFO impl.YarnClientImpl: Submitted application application\_1684298513961\_0026

23/05/18 06:32:27 INFO yarn.Client: Application report for application\_1684298513961\_0026 (state: ACCEPTED)

23/05/18 06:32:27 INFO yarn.Client:

client token: N/A

diagnostics: AM container is launched, waiting for AM container to Register with RM

ApplicationMaster host: N/A

ApplicationMaster RPC port: -1

queue: root.default

start time: 1684391546066

final status: UNDEFINED

         tracking URL:  <http://ip-10-1-1-204.ap-south-1.compute.internal:6066/proxy/application_1684298513961_0026/>

user: raghavendr48edu

23/05/18 06:32:28 INFO yarn.Client: Application report for application\_1684298513961\_0026 (state: ACCEPTED)

23/05/18 06:32:29 INFO yarn.Client: Application report for application\_1684298513961\_0026 (state: ACCEPTED)

23/05/18 06:32:30 INFO yarn.Client: Application report for application\_1684298513961\_0026 (state: ACCEPTED)

23/05/18 06:32:31 INFO yarn.Client: Application report for application\_1684298513961\_0026 (state: RUNNING)

23/05/18 06:32:31 INFO yarn.Client:

client token: N/A

diagnostics: N/A

ApplicationMaster host: ip-10-1-2-103.ap-south-1.compute.internal

ApplicationMaster RPC port: 38195

queue: root.default

start time: 1684391546066

final status: UNDEFINED

         tracking URL:  <http://ip-10-1-1-204.ap-south-1.compute.internal:6066/proxy/application_1684298513961_0026/>

user: raghavendr48edu

23/05/18 06:32:32 INFO yarn.Client: Application report for application\_1684298513961\_0026 (state: RUNNING)

23/05/18 06:32:33 INFO yarn.Client: Application report for application\_1684298513961\_0026 (state: RUNNING)

23/05/18 06:32:34 INFO yarn.Client: Application report for application\_1684298513961\_0026 (state: RUNNING)

23/05/18 06:32:35 INFO yarn.Client: Application report for application\_1684298513961\_0026 (state: RUNNING)

23/05/18 06:32:36 INFO yarn.Client: Application report for application\_1684298513961\_0026 (state: RUNNING)

23/05/18 06:32:37 INFO yarn.Client: Application report for application\_1684298513961\_0026 (state: RUNNING)

23/05/18 06:32:38 INFO yarn.Client: Application report for application\_1684298513961\_0026 (state: RUNNING)

23/05/18 06:32:39 INFO yarn.Client: Application report for application\_1684298513961\_0026 (state: RUNNING)

23/05/18 06:32:40 INFO yarn.Client: Application report for application\_1684298513961\_0026 (state: RUNNING)

23/05/18 06:32:41 INFO yarn.Client: Application report for application\_1684298513961\_0026 (state: RUNNING)

23/05/18 06:32:42 INFO yarn.Client: Application report for application\_1684298513961\_0026 (state: RUNNING)

23/05/18 06:32:43 INFO yarn.Client: Application report for application\_1684298513961\_0026 (state: RUNNING)

23/05/18 06:32:44 INFO yarn.Client: Application report for application\_1684298513961\_0026 (state: FINISHED)

23/05/18 06:32:44 INFO yarn.Client:

client token: N/A

diagnostics: N/A

ApplicationMaster host: ip-10-1-2-103.ap-south-1.compute.internal

ApplicationMaster RPC port: 38195

queue: root.default

start time: 1684391546066

final status: SUCCEEDED

         tracking URL:  <http://ip-10-1-1-204.ap-south-1.compute.internal:6066/proxy/application_1684298513961_0026/>

user: raghavendr48edu

23/05/18 06:32:44 INFO util.ShutdownHookManager: Shutdown hook called

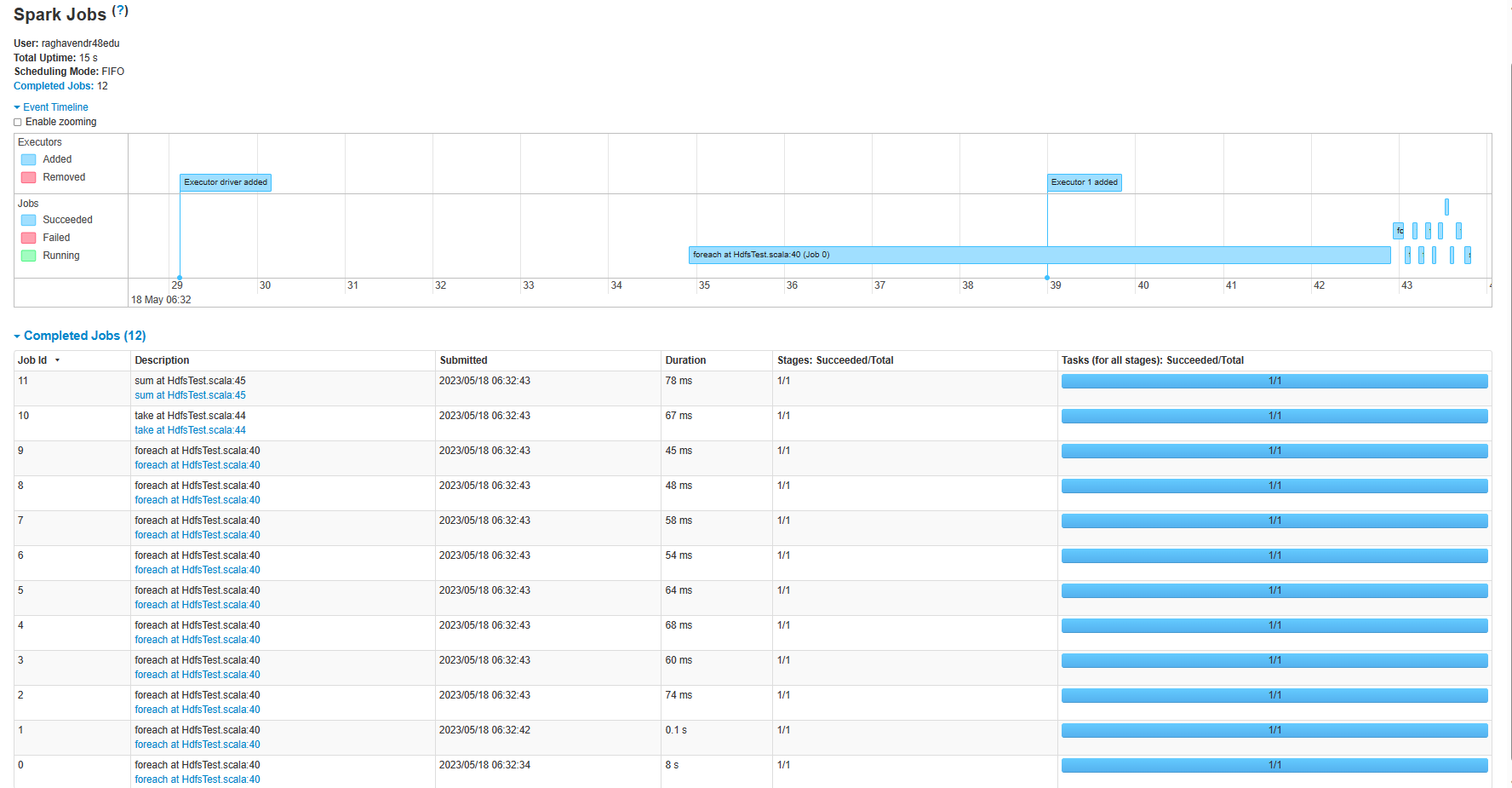
23/05/18 06:32:44 INFO util.ShutdownHookManager: Deleting directory /tmp/spark-254c41ee-8256-452e-ae25-d9efd412afdd

23/05/18 06:32:44 INFO util.ShutdownHookManager: Deleting directory /tmp/spark-5991d061-6a93-4f8e-9e6b-5d591f6f0661

[raghavendr48edu@ip-10-1-1-204 ~]$

*From <*[*https://bigdata.cloudlabs.edureka.co/shell/*](https://bigdata.cloudlabs.edureka.co/shell/)*>*

3.Analyze the behavior of spark application on Spark web UI



**OR**

[raghavendr48edu@ip-10-1-1-204 training\_project3]$ **vi sort.py**

[raghavendr48edu@ip-10-1-1-204 training\_project3]$ **spark-submit sort.py input\_sort\_py.txt**

23/05/25 12:38:29 INFO spark.SparkContext: Running Spark version 2.4.0-cdh6.2.1

23/05/25 12:38:29 INFO logging.DriverLogger: Added a local log appender at: /tmp/spark-23ddc119-4019-420a-bbaa-28c5a9565eb8/\_\_driver\_logs\_\_/driver.log

23/05/25 12:38:29 INFO spark.SparkContext: Submitted application: HdfsTest\_py

23/05/25 12:38:29 INFO spark.SecurityManager: Changing view acls to: raghavendr48edu

23/05/25 12:38:29 INFO spark.SecurityManager: Changing modify acls to: raghavendr48edu

23/05/25 12:38:29 INFO spark.SecurityManager: Changing view acls groups to:

23/05/25 12:38:29 INFO spark.SecurityManager: Changing modify acls groups to:

23/05/25 12:38:29 INFO spark.SecurityManager: SecurityManager: authentication disabled; ui acls disabled; users with view permissions: Set(raghavendr48edu); groups with view permissions: Set(); users with modify permissions: Set(ragh

avendr48edu); groups with modify permissions: Set()

23/05/25 12:38:29 INFO util.Utils: Successfully started service 'sparkDriver' on port 39364.

23/05/25 12:38:29 INFO spark.SparkEnv: Registering MapOutputTracker

23/05/25 12:38:29 INFO spark.SparkEnv: Registering BlockManagerMaster

23/05/25 12:38:29 INFO storage.BlockManagerMasterEndpoint: Using org.apache.spark.storage.DefaultTopologyMapper for getting topology information

23/05/25 12:38:29 INFO storage.BlockManagerMasterEndpoint: BlockManagerMasterEndpoint up

23/05/25 12:38:29 INFO storage.DiskBlockManager: Created local directory at /tmp/blockmgr-8ec9ecdc-ab16-4e14-b50d-a20dc7347e38

23/05/25 12:38:29 INFO memory.MemoryStore: MemoryStore started with capacity 366.3 MB

23/05/25 12:38:29 INFO spark.SparkEnv: Registering OutputCommitCoordinator

23/05/25 12:38:30 INFO util.Utils: Using initial executors = 0, max of spark.dynamicAllocation.initialExecutors, spark.dynamicAllocation.minExecutors and spark.executor.instances

23/05/25 12:38:30 INFO client.RMProxy: Connecting to ResourceManager at ip-10-1-1-204.ap-south-1.compute.internal/10.1.1.204:8032

23/05/25 12:38:30 INFO yarn.Client: Requesting a new application from cluster with 3 NodeManagers

23/05/25 12:38:30 INFO conf.Configuration: resource-types.xml not found

23/05/25 12:38:30 INFO resource.ResourceUtils: Unable to find 'resource-types.xml'.

23/05/25 12:38:30 INFO yarn.Client: Verifying our application has not requested more than the maximum memory capability of the cluster (20480 MB per container)

23/05/25 12:38:30 INFO yarn.Client: Will allocate AM container, with 896 MB memory including 384 MB overhead

23/05/25 12:38:30 INFO yarn.Client: Setting up container launch context for our AM

23/05/25 12:38:30 INFO yarn.Client: Setting up the launch environment for our AM container

23/05/25 12:38:30 INFO yarn.Client: Preparing resources for our AM container

23/05/25 12:38:31 INFO yarn.Client: Uploading resource [file:/tmp/spark-23ddc119-4019-420a-bbaa-28c5a9565eb8/\_\_spark\_conf\_\_7864336031031315848.zip](file:///\\tmp\spark-23ddc119-4019-420a-bbaa-28c5a9565eb8\__spark_conf__7864336031031315848.zip) -> hdfs://nameservice1/user/raghavendr48edu/.sparkStaging/application\_1684866872278\_1276/

\_\_spark\_conf\_\_.zip

23/05/25 12:38:31 INFO spark.SecurityManager: Changing view acls to: raghavendr48edu

23/05/25 12:38:31 INFO spark.SecurityManager: Changing modify acls to: raghavendr48edu

23/05/25 12:38:31 INFO spark.SecurityManager: Changing view acls groups to:

23/05/25 12:38:31 INFO spark.SecurityManager: Changing modify acls groups to:

23/05/25 12:38:31 INFO spark.SecurityManager: SecurityManager: authentication disabled; ui acls disabled; users with view permissions: Set(raghavendr48edu); groups with view permissions: Set(); users with modify permissions: Set(ragh

avendr48edu); groups with modify permissions: Set()

23/05/25 12:38:31 INFO yarn.Client: Submitting application application\_1684866872278\_1276 to ResourceManager

23/05/25 12:38:31 INFO impl.YarnClientImpl: Submitted application application\_1684866872278\_1276

23/05/25 12:38:32 INFO yarn.Client: Application report for application\_1684866872278\_1276 (state: ACCEPTED)

23/05/25 12:38:32 INFO yarn.Client:

client token: N/A

diagnostics: AM container is launched, waiting for AM container to Register with RM

ApplicationMaster host: N/A

ApplicationMaster RPC port: -1

queue: root.default

start time: 1685018311519

final status: UNDEFINED

         tracking URL:  <http://ip-10-1-1-204.ap-south-1.compute.internal:6066/proxy/application_1684866872278_1276/>

user: raghavendr48edu

23/05/25 12:38:33 INFO yarn.Client: Application report for application\_1684866872278\_1276 (state: ACCEPTED)

23/05/25 12:38:34 INFO yarn.Client: Application report for application\_1684866872278\_1276 (state: RUNNING)

23/05/25 12:38:34 INFO yarn.Client:

client token: N/A

diagnostics: N/A

ApplicationMaster host: 10.1.2.103

ApplicationMaster RPC port: -1

queue: root.default

start time: 1685018311519

final status: UNDEFINED

         tracking URL:  <http://ip-10-1-1-204.ap-south-1.compute.internal:6066/proxy/application_1684866872278_1276/>

user: raghavendr48edu

23/05/25 12:38:34 INFO cluster.YarnClientSchedulerBackend: Application application\_1684866872278\_1276 has started running.

23/05/25 12:38:34 INFO cluster.SchedulerExtensionServices: Starting Yarn extension services with app application\_1684866872278\_1276 and attemptId None

23/05/25 12:38:34 INFO util.Utils: Successfully started service 'org.apache.spark.network.netty.NettyBlockTransferService' on port 37610.

23/05/25 12:38:34 INFO netty.NettyBlockTransferService: Server created on ip-10-1-1-204.ap-south-1.compute.internal:37610

23/05/25 12:38:34 INFO storage.BlockManager: Using org.apache.spark.storage.RandomBlockReplicationPolicy for block replication policy

23/05/25 12:38:34 INFO storage.BlockManagerMaster: Registering BlockManager BlockManagerId(driver, ip-10-1-1-204.ap-south-1.compute.internal, 37610, None)

23/05/25 12:38:34 INFO storage.BlockManagerMasterEndpoint: Registering block manager ip-10-1-1-204.ap-south-1.compute.internal:37610 with 366.3 MB RAM, BlockManagerId(driver, ip-10-1-1-204.ap-south-1.compute.internal, 37610, None)

23/05/25 12:38:34 INFO storage.BlockManagerMaster: Registered BlockManager BlockManagerId(driver, ip-10-1-1-204.ap-south-1.compute.internal, 37610, None)

23/05/25 12:38:34 INFO storage.BlockManager: external shuffle service port = 7337

23/05/25 12:38:34 INFO storage.BlockManager: Initialized BlockManager: BlockManagerId(driver, ip-10-1-1-204.ap-south-1.compute.internal, 37610, None)

23/05/25 12:38:34 INFO cluster.YarnClientSchedulerBackend: Add WebUI Filter. org.apache.hadoop.yarn.server.webproxy.amfilter.AmIpFilter, Map(PROXY\_HOSTS -> ip-10-1-1-204.ap-south-1.compute.internal, PROXY\_URI\_BASES -> [http://ip-10-1-1-](http://ip-10-1-1-/)

204.ap-south-1.compute.internal:6066/proxy/application\_1684866872278\_1276), /proxy/application\_1684866872278\_1276

23/05/25 12:38:34 INFO util.log: Logging initialized @7043ms

23/05/25 12:38:35 INFO scheduler.EventLoggingListener: Logging events to hdfs://nameservice1/user/spark/applicationHistory/application\_1684866872278\_1276

23/05/25 12:38:35 INFO util.Utils: Using initial executors = 0, max of spark.dynamicAllocation.initialExecutors, spark.dynamicAllocation.minExecutors and spark.executor.instances

23/05/25 12:38:35 WARN cluster.YarnSchedulerBackend$YarnSchedulerEndpoint: Attempted to request executors before the AM has registered!

23/05/25 12:38:35 INFO spark.SparkContext: Registered listener com.cloudera.spark.lineage.NavigatorAppListener

23/05/25 12:38:35 INFO logging.DriverLogger$DfsAsyncWriter: Started driver log file sync to: /user/spark/driverLogs/application\_1684866872278\_1276\_driver.log

23/05/25 12:38:35 INFO cluster.YarnClientSchedulerBackend: SchedulerBackend is ready for scheduling beginning after reached minRegisteredResourcesRatio: 0.8

23/05/25 12:38:35 INFO internal.SharedState: loading hive config file: [file:/etc/hive/conf.cloudera.hive/hive-site.xml](file:///\\etc\hive\conf.cloudera.hive\hive-site.xml)

23/05/25 12:38:35 INFO internal.SharedState: spark.sql.warehouse.dir is not set, but hive.metastore.warehouse.dir is set. Setting spark.sql.warehouse.dir to the value of hive.metastore.warehouse.dir ('/user/hive/warehouse').

23/05/25 12:38:35 INFO internal.SharedState: Warehouse path is '/user/hive/warehouse'.

23/05/25 12:38:35 INFO cluster.YarnSchedulerBackend$YarnSchedulerEndpoint: ApplicationMaster registered as NettyRpcEndpointRef(spark-client://YarnAM)

23/05/25 12:38:35 INFO state.StateStoreCoordinatorRef: Registered StateStoreCoordinator endpoint

23/05/25 12:38:37 INFO datasources.FileSourceStrategy: Pruning directories with:

23/05/25 12:38:37 INFO datasources.FileSourceStrategy: Post-Scan Filters:

23/05/25 12:38:37 INFO datasources.FileSourceStrategy: Output Data Schema: struct<value: string>

23/05/25 12:38:37 INFO execution.FileSourceScanExec: Pushed Filters:

23/05/25 12:38:37 INFO codegen.CodeGenerator: Code generated in 181.767905 ms

23/05/25 12:38:38 INFO memory.MemoryStore: Block broadcast\_0 stored as values in memory (estimated size 337.3 KB, free 366.0 MB)

23/05/25 12:38:38 INFO memory.MemoryStore: Block broadcast\_0\_piece0 stored as bytes in memory (estimated size 32.3 KB, free 365.9 MB)

23/05/25 12:38:38 INFO storage.BlockManagerInfo: Added broadcast\_0\_piece0 in memory on ip-10-1-1-204.ap-south-1.compute.internal:37610 (size: 32.3 KB, free: 366.3 MB)

23/05/25 12:38:38 INFO spark.SparkContext: Created broadcast 0 from javaToPython at NativeMethodAccessorImpl.java:0

23/05/25 12:38:38 INFO execution.FileSourceScanExec: Planning scan with bin packing, max size: 4194304 bytes, open cost is considered as scanning 4194304 bytes.

**----> Iteration took: 1.621246337890625e-05 ms**

**----> Iteration took: 6.9141387939453125e-06 ms**

**----> Iteration took: 4.76837158203125e-06 ms**

**----> Iteration took: 4.0531158447265625e-06 ms**

**----> Iteration took: 4.0531158447265625e-06 ms**

**----> Iteration took: 3.814697265625e-06 ms**

**----> Iteration took: 4.76837158203125e-06 ms**

**----> Iteration took: 4.0531158447265625e-06 ms**

**----> Iteration took: 3.5762786865234375e-06 ms**

**----> Iteration took: 3.814697265625e-06 ms**

23/05/25 12:38:38 INFO cluster.YarnClientSchedulerBackend: Interrupting monitor thread

23/05/25 12:38:38 INFO cluster.YarnClientSchedulerBackend: Shutting down all executors

23/05/25 12:38:38 INFO cluster.YarnSchedulerBackend$YarnDriverEndpoint: Asking each executor to shut down

23/05/25 12:38:38 INFO cluster.SchedulerExtensionServices: Stopping SchedulerExtensionServices

(serviceOption=None,

services=List(),

started=false)

23/05/25 12:38:38 INFO cluster.YarnClientSchedulerBackend: Stopped

23/05/25 12:38:38 INFO spark.MapOutputTrackerMasterEndpoint: MapOutputTrackerMasterEndpoint stopped!

23/05/25 12:38:38 INFO memory.MemoryStore: MemoryStore cleared

23/05/25 12:38:38 INFO storage.BlockManager: BlockManager stopped

23/05/25 12:38:38 INFO storage.BlockManagerMaster: BlockManagerMaster stopped

23/05/25 12:38:38 INFO scheduler.OutputCommitCoordinator$OutputCommitCoordinatorEndpoint: OutputCommitCoordinator stopped!

23/05/25 12:38:38 INFO spark.SparkContext: Successfully stopped SparkContext

23/05/25 12:38:38 INFO util.ShutdownHookManager: Shutdown hook called

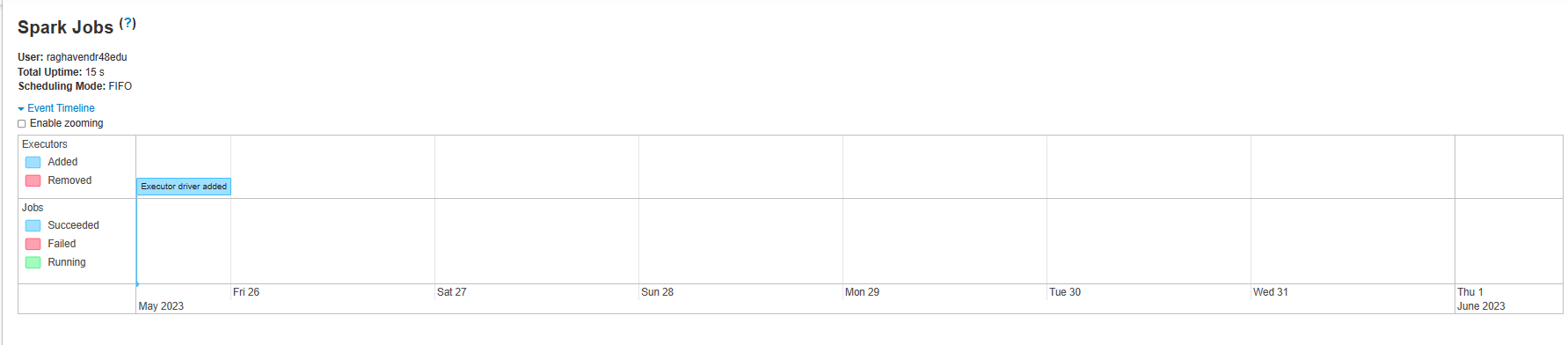
23/05/25 12:38:38 INFO util.ShutdownHookManager: Deleting directory /tmp/spark-23ddc119-4019-420a-bbaa-28c5a9565eb8/pyspark-a0d714ae-d1a1-4947-88c4-2d4078b982b5

23/05/25 12:38:38 INFO util.ShutdownHookManager: Deleting directory /tmp/spark-23ddc119-4019-420a-bbaa-28c5a9565eb8

23/05/25 12:38:38 INFO util.ShutdownHookManager: Deleting directory /tmp/spark-f378884c-0204-440a-9c08-54c4e52c9c92

[raghavendr48edu@ip-10-1-1-204 training\_project3]$

*From <*[*https://bigdata.cloudlabs.edureka.co/shell/*](https://bigdata.cloudlabs.edureka.co/shell/)*>*



4.Edit the application and add custom logs. Once executed check the Spark

logs.

a. Edit the scala file to add custom logger

vi SparkSort.scala import org.apache.spark.sql.SparkSession

object HdfsTest

{ /\*\* Usage: HdfsTest [file] \*/

def main(args: Array[String])

{

if (args.length < 1)

{

System.err.println("Usage: HdfsTest ") System.exit(1)   
}

val spark=SparkSession.builder.appName("Custom HdfsTest").getOrCreate()

**println(“Hello from Raghav”)**

val file = spark.read.text(args(0)).rdd

val mapped = file.map(s => s.length).cache()

for (iter <- 1 to 10)

{

val start = System.currentTimeMillis()

for (x <- mapped) { x + 2 }

val end = System.currentTimeMillis()

println("-->Iteration " + iter + " took " + (end-start) + " ms")

}

spark.stop()

}

}

[raghavendr48edu@ip-10-1-1-204 training\_project3]$ **cd src/main/scala/com/edureka/training/m4**

[raghavendr48edu@ip-10-1-1-204 m4]$ **vi SparkSort.scala**

[raghavendr48edu@ip-10-1-1-204 m4]$ **cd /home/raghavendr48edu/training\_project3**

b. Compile and package the updated scala code sbt compile sbt package c. Re-submit the spark job with the scala code spark-submit --class com.edureka.training.m4.SparkSort --deploy-mode client target/scala-2.11/sparkme-project\_2.11-1.0.jar input\_sort\_py.txt

[raghavendr48edu@ip-10-1-1-204 training\_project3]$ **sbt compile**

[info] welcome to sbt 1.5.5 (Oracle Corporation Java 1.8.0\_181)

[info] loading project definition from /home/raghavendr48edu/training\_project3/project

[info] loading settings for project training\_project3 from build.sbt ...

[info] set current project to SparkMe Project (in build [file:/home/raghavendr48edu/training\_project3/](file:///\\home\raghavendr48edu\training_project3\))

[info] Executing in batch mode. For better performance use sbt's shell

[info] compiling 2 Scala sources to /home/raghavendr48edu/training\_project3/target/scala-2.11/classes ...

[success] Total time: 5 s, completed May 25, 2023 1:05:35 PM

[raghavendr48edu@ip-10-1-1-204 training\_project3]$ **sbt package**

[info] welcome to sbt 1.5.5 (Oracle Corporation Java 1.8.0\_181)

[info] loading project definition from /home/raghavendr48edu/training\_project3/project

[info] loading settings for project training\_project3 from build.sbt ...

[info] set current project to SparkMe Project (in build [file:/home/raghavendr48edu/training\_project3/](file:///\\home\raghavendr48edu\training_project3\))

[success] Total time: 1 s, completed May 25, 2023 1:05:47 PM

[raghavendr48edu@ip-10-1-1-204 training\_project3]$ **spark-submit --class HdfsTest --deploy-mode client target/scala-2.11/sparkme-project\_2.11-1.0.jar input\_sort\_py.txt**

23/05/25 13:06:15 INFO spark.SparkContext: Running Spark version 2.4.0-cdh6.2.1

23/05/25 13:06:15 INFO logging.DriverLogger: Added a local log appender at: /tmp/spark-f12e6dab-06b6-44ff-af99-981e5c09d7a8/\_\_driver\_logs\_\_/driver.log

23/05/25 13:06:15 INFO spark.SparkContext: Submitted application: CustomHdfsTest

23/05/25 13:06:15 INFO spark.SecurityManager: Changing view acls to: raghavendr48edu

23/05/25 13:06:15 INFO spark.SecurityManager: Changing modify acls to: raghavendr48edu

23/05/25 13:06:15 INFO spark.SecurityManager: Changing view acls groups to:

23/05/25 13:06:15 INFO spark.SecurityManager: Changing modify acls groups to:

23/05/25 13:06:15 INFO spark.SecurityManager: SecurityManager: authentication disabled; ui acls disabled; users with view permissions: Set(raghavendr48edu); groups with view permissions: Set(); users with modify permissions: Set(ragh

avendr48edu); groups with modify permissions: Set()

23/05/25 13:06:15 INFO util.Utils: Successfully started service 'sparkDriver' on port 34843.

23/05/25 13:06:15 INFO spark.SparkEnv: Registering MapOutputTracker

23/05/25 13:06:15 INFO spark.SparkEnv: Registering BlockManagerMaster

23/05/25 13:06:15 INFO storage.BlockManagerMasterEndpoint: Using org.apache.spark.storage.DefaultTopologyMapper for getting topology information

23/05/25 13:06:15 INFO storage.BlockManagerMasterEndpoint: BlockManagerMasterEndpoint up

23/05/25 13:06:15 INFO storage.DiskBlockManager: Created local directory at /tmp/blockmgr-04a5a7dc-4c57-4a7b-b095-f5f7ec6764ac

23/05/25 13:06:15 INFO memory.MemoryStore: MemoryStore started with capacity 366.3 MB

23/05/25 13:06:15 INFO spark.SparkEnv: Registering OutputCommitCoordinator

23/05/25 13:06:15 INFO spark.SparkContext: Added JAR [file:/home/raghavendr48edu/training\_project3/target/scala-2.11/sparkme-project\_2.11-1.0.jar](file:///\\home\raghavendr48edu\training_project3\target\scala-2.11\sparkme-project_2.11-1.0.jar) at spark://ip-10-1-1-204.ap-south-1.compute.internal:34843/jars/sparkme-project\_2.11-1.0.j

ar with timestamp 1685019975886

23/05/25 13:06:15 INFO util.Utils: Using initial executors = 0, max of spark.dynamicAllocation.initialExecutors, spark.dynamicAllocation.minExecutors and spark.executor.instances

23/05/25 13:06:16 INFO client.RMProxy: Connecting to ResourceManager at ip-10-1-1-204.ap-south-1.compute.internal/10.1.1.204:8032

23/05/25 13:06:16 INFO yarn.Client: Requesting a new application from cluster with 3 NodeManagers

23/05/25 13:06:16 INFO conf.Configuration: resource-types.xml not found

23/05/25 13:06:16 INFO resource.ResourceUtils: Unable to find 'resource-types.xml'.

23/05/25 13:06:16 INFO yarn.Client: Verifying our application has not requested more than the maximum memory capability of the cluster (20480 MB per container)

23/05/25 13:06:16 INFO yarn.Client: Will allocate AM container, with 896 MB memory including 384 MB overhead

23/05/25 13:06:16 INFO yarn.Client: Setting up container launch context for our AM

23/05/25 13:06:16 INFO yarn.Client: Setting up the launch environment for our AM container

23/05/25 13:06:16 INFO yarn.Client: Preparing resources for our AM container

23/05/25 13:06:17 INFO yarn.Client: Uploading resource [file:/tmp/spark-f12e6dab-06b6-44ff-af99-981e5c09d7a8/\_\_spark\_conf\_\_4661786933308266813.zip](file:///\\tmp\spark-f12e6dab-06b6-44ff-af99-981e5c09d7a8\__spark_conf__4661786933308266813.zip) -> hdfs://nameservice1/user/raghavendr48edu/.sparkStaging/application\_1684866872278\_1287/

\_\_spark\_conf\_\_.zip

23/05/25 13:06:17 INFO spark.SecurityManager: Changing view acls to: raghavendr48edu

23/05/25 13:06:17 INFO spark.SecurityManager: Changing modify acls to: raghavendr48edu

23/05/25 13:06:17 INFO spark.SecurityManager: Changing view acls groups to:

23/05/25 13:06:17 INFO spark.SecurityManager: Changing modify acls groups to:

23/05/25 13:06:17 INFO spark.SecurityManager: SecurityManager: authentication disabled; ui acls disabled; users with view permissions: Set(raghavendr48edu); groups with view permissions: Set(); users with modify permissions: Set(ragh

avendr48edu); groups with modify permissions: Set()

23/05/25 13:06:17 INFO yarn.Client: Submitting application application\_1684866872278\_1287 to ResourceManager

23/05/25 13:06:17 INFO impl.YarnClientImpl: Submitted application application\_1684866872278\_1287

23/05/25 13:06:18 INFO yarn.Client: Application report for application\_1684866872278\_1287 (state: ACCEPTED)

23/05/25 13:06:18 INFO yarn.Client:

client token: N/A

diagnostics: AM container is launched, waiting for AM container to Register with RM

ApplicationMaster host: N/A

ApplicationMaster RPC port: -1

queue: root.default

start time: 1685019977354

final status: UNDEFINED

         tracking URL:  <http://ip-10-1-1-204.ap-south-1.compute.internal:6066/proxy/application_1684866872278_1287/>

user: raghavendr48edu

23/05/25 13:06:19 INFO yarn.Client: Application report for application\_1684866872278\_1287 (state: ACCEPTED)

23/05/25 13:06:20 INFO yarn.Client: Application report for application\_1684866872278\_1287 (state: ACCEPTED)

23/05/25 13:06:21 INFO yarn.Client: Application report for application\_1684866872278\_1287 (state: ACCEPTED)

23/05/25 13:06:22 INFO yarn.Client: Application report for application\_1684866872278\_1287 (state: RUNNING)

23/05/25 13:06:22 INFO yarn.Client:

client token: N/A

diagnostics: N/A

ApplicationMaster host: 10.1.2.175

ApplicationMaster RPC port: -1

queue: root.default

start time: 1685019977354

final status: UNDEFINED

         tracking URL:  <http://ip-10-1-1-204.ap-south-1.compute.internal:6066/proxy/application_1684866872278_1287/>

user: raghavendr48edu

23/05/25 13:06:22 INFO cluster.YarnClientSchedulerBackend: Application application\_1684866872278\_1287 has started running.

23/05/25 13:06:22 INFO cluster.SchedulerExtensionServices: Starting Yarn extension services with app application\_1684866872278\_1287 and attemptId None

23/05/25 13:06:22 INFO util.Utils: Successfully started service 'org.apache.spark.network.netty.NettyBlockTransferService' on port 42947.

23/05/25 13:06:22 INFO netty.NettyBlockTransferService: Server created on ip-10-1-1-204.ap-south-1.compute.internal:42947

23/05/25 13:06:22 INFO storage.BlockManager: Using org.apache.spark.storage.RandomBlockReplicationPolicy for block replication policy

23/05/25 13:06:22 INFO storage.BlockManagerMaster: Registering BlockManager BlockManagerId(driver, ip-10-1-1-204.ap-south-1.compute.internal, 42947, None)

23/05/25 13:06:22 INFO storage.BlockManagerMasterEndpoint: Registering block manager ip-10-1-1-204.ap-south-1.compute.internal:42947 with 366.3 MB RAM, BlockManagerId(driver, ip-10-1-1-204.ap-south-1.compute.internal, 42947, None)

23/05/25 13:06:22 INFO storage.BlockManagerMaster: Registered BlockManager BlockManagerId(driver, ip-10-1-1-204.ap-south-1.compute.internal, 42947, None)

23/05/25 13:06:22 INFO storage.BlockManager: external shuffle service port = 7337

23/05/25 13:06:22 INFO storage.BlockManager: Initialized BlockManager: BlockManagerId(driver, ip-10-1-1-204.ap-south-1.compute.internal, 42947, None)

23/05/25 13:06:22 INFO cluster.YarnClientSchedulerBackend: Add WebUI Filter. org.apache.hadoop.yarn.server.webproxy.amfilter.AmIpFilter, Map(PROXY\_HOSTS -> ip-10-1-1-204.ap-south-1.compute.internal, PROXY\_URI\_BASES -> [http://ip-10-1-1-](http://ip-10-1-1-/)

204.ap-south-1.compute.internal:6066/proxy/application\_1684866872278\_1287), /proxy/application\_1684866872278\_1287

23/05/25 13:06:22 INFO util.log: Logging initialized @8510ms

23/05/25 13:06:22 INFO scheduler.EventLoggingListener: Logging events to hdfs://nameservice1/user/spark/applicationHistory/application\_1684866872278\_1287

23/05/25 13:06:22 INFO util.Utils: Using initial executors = 0, max of spark.dynamicAllocation.initialExecutors, spark.dynamicAllocation.minExecutors and spark.executor.instances

23/05/25 13:06:22 WARN cluster.YarnSchedulerBackend$YarnSchedulerEndpoint: Attempted to request executors before the AM has registered!

23/05/25 13:06:22 INFO spark.SparkContext: Registered listener com.cloudera.spark.lineage.NavigatorAppListener

23/05/25 13:06:22 INFO logging.DriverLogger$DfsAsyncWriter: Started driver log file sync to: /user/spark/driverLogs/application\_1684866872278\_1287\_driver.log

23/05/25 13:06:22 INFO cluster.YarnClientSchedulerBackend: SchedulerBackend is ready for scheduling beginning after reached minRegisteredResourcesRatio: 0.8

**Hello From Raghav**

23/05/25 13:06:23 INFO internal.SharedState: loading hive config file: [file:/etc/hive/conf.cloudera.hive/hive-site.xml](file:///\\etc\hive\conf.cloudera.hive\hive-site.xml)

23/05/25 13:06:23 INFO internal.SharedState: spark.sql.warehouse.dir is not set, but hive.metastore.warehouse.dir is set. Setting spark.sql.warehouse.dir to the value of hive.metastore.warehouse.dir ('/user/hive/warehouse').

23/05/25 13:06:23 INFO internal.SharedState: Warehouse path is '/user/hive/warehouse'.

23/05/25 13:06:23 INFO state.StateStoreCoordinatorRef: Registered StateStoreCoordinator endpoint

23/05/25 13:06:23 INFO cluster.YarnSchedulerBackend$YarnSchedulerEndpoint: ApplicationMaster registered as NettyRpcEndpointRef(spark-client://YarnAM)

23/05/25 13:06:25 INFO datasources.FileSourceStrategy: Pruning directories with:

23/05/25 13:06:25 INFO datasources.FileSourceStrategy: Post-Scan Filters:

23/05/25 13:06:25 INFO datasources.FileSourceStrategy: Output Data Schema: struct<value: string>

23/05/25 13:06:25 INFO execution.FileSourceScanExec: Pushed Filters:

23/05/25 13:06:26 INFO codegen.CodeGenerator: Code generated in 193.529709 ms

23/05/25 13:06:26 INFO memory.MemoryStore: Block broadcast\_0 stored as values in memory (estimated size 336.4 KB, free 366.0 MB)

23/05/25 13:06:26 INFO memory.MemoryStore: Block broadcast\_0\_piece0 stored as bytes in memory (estimated size 32.2 KB, free 365.9 MB)

23/05/25 13:06:26 INFO storage.BlockManagerInfo: Added broadcast\_0\_piece0 in memory on ip-10-1-1-204.ap-south-1.compute.internal:42947 (size: 32.2 KB, free: 366.3 MB)

23/05/25 13:06:26 INFO spark.SparkContext: Created broadcast 0 from rdd at SparkSort.scala:23

23/05/25 13:06:26 INFO execution.FileSourceScanExec: Planning scan with bin packing, max size: 4194304 bytes, open cost is considered as scanning 4194304 bytes.

23/05/25 13:06:26 INFO spark.SparkContext: Starting job: foreach at SparkSort.scala:33

23/05/25 13:06:26 INFO scheduler.DAGScheduler: Got job 0 (foreach at SparkSort.scala:33) with 1 output partitions

23/05/25 13:06:26 INFO scheduler.DAGScheduler: Final stage: ResultStage 0 (foreach at SparkSort.scala:33)

23/05/25 13:06:26 INFO scheduler.DAGScheduler: Parents of final stage: List()

23/05/25 13:06:26 INFO scheduler.DAGScheduler: Missing parents: List()

23/05/25 13:06:26 INFO scheduler.DAGScheduler: Submitting ResultStage 0 (MapPartitionsRDD[4] at map at SparkSort.scala:25), which has no missing parents

23/05/25 13:06:26 INFO memory.MemoryStore: Block broadcast\_1 stored as values in memory (estimated size 10.6 KB, free 365.9 MB)

23/05/25 13:06:26 INFO memory.MemoryStore: Block broadcast\_1\_piece0 stored as bytes in memory (estimated size 5.6 KB, free 365.9 MB)

23/05/25 13:06:26 INFO storage.BlockManagerInfo: Added broadcast\_1\_piece0 in memory on ip-10-1-1-204.ap-south-1.compute.internal:42947 (size: 5.6 KB, free: 366.3 MB)

23/05/25 13:06:26 INFO spark.SparkContext: Created broadcast 1 from broadcast at DAGScheduler.scala:1164

23/05/25 13:06:26 INFO scheduler.DAGScheduler: Submitting 1 missing tasks from ResultStage 0 (MapPartitionsRDD[4] at map at SparkSort.scala:25) (first 15 tasks are for partitions Vector(0))

23/05/25 13:06:26 INFO cluster.YarnScheduler: Adding task set 0.0 with 1 tasks

23/05/25 13:06:26 INFO spark.ExecutorAllocationManager: Requesting 1 new executor because tasks are backlogged (new desired total will be 1)

23/05/25 13:06:38 INFO cluster.YarnSchedulerBackend$YarnDriverEndpoint: Registered executor NettyRpcEndpointRef(spark-client://Executor) (10.1.2.40:51290) with ID 1

23/05/25 13:06:38 INFO spark.ExecutorAllocationManager: New executor 1 has registered (new total is 1)

23/05/25 13:06:38 INFO scheduler.TaskSetManager: Starting task 0.0 in stage 0.0 (TID 0, ip-10-1-2-40.ap-south-1.compute.internal, executor 1, partition 0, NODE\_LOCAL, 8347 bytes)

23/05/25 13:06:38 INFO storage.BlockManagerMasterEndpoint: Registering block manager ip-10-1-2-40.ap-south-1.compute.internal:41263 with 366.3 MB RAM, BlockManagerId(1, ip-10-1-2-40.ap-south-1.compute.internal, 41263, None)

23/05/25 13:06:39 INFO storage.BlockManagerInfo: Added broadcast\_1\_piece0 in memory on ip-10-1-2-40.ap-south-1.compute.internal:41263 (size: 5.6 KB, free: 366.3 MB)

23/05/25 13:06:48 INFO storage.BlockManagerInfo: Added broadcast\_0\_piece0 in memory on ip-10-1-2-40.ap-south-1.compute.internal:41263 (size: 32.2 KB, free: 366.3 MB)

23/05/25 13:06:51 INFO storage.BlockManagerInfo: Added rdd\_4\_0 in memory on ip-10-1-2-40.ap-south-1.compute.internal:41263 (size: 32.0 B, free: 366.3 MB)

23/05/25 13:06:51 INFO scheduler.TaskSetManager: Finished task 0.0 in stage 0.0 (TID 0) in 13505 ms on ip-10-1-2-40.ap-south-1.compute.internal (executor 1) (1/1)

23/05/25 13:06:51 INFO cluster.YarnScheduler: Removed TaskSet 0.0, whose tasks have all completed, from pool

23/05/25 13:06:51 INFO scheduler.DAGScheduler: ResultStage 0 (foreach at SparkSort.scala:33) finished in 25.105 s

23/05/25 13:06:51 INFO scheduler.DAGScheduler: Job 0 finished: foreach at SparkSort.scala:33, took 25.158750 s

-->Iteration 1 took 25171 ms

23/05/25 13:06:51 INFO spark.SparkContext: Starting job: foreach at SparkSort.scala:33

23/05/25 13:06:51 INFO scheduler.DAGScheduler: Got job 1 (foreach at SparkSort.scala:33) with 1 output partitions

23/05/25 13:06:51 INFO scheduler.DAGScheduler: Final stage: ResultStage 1 (foreach at SparkSort.scala:33)

23/05/25 13:06:51 INFO scheduler.DAGScheduler: Parents of final stage: List()

23/05/25 13:06:51 INFO scheduler.DAGScheduler: Missing parents: List()

23/05/25 13:06:51 INFO scheduler.DAGScheduler: Submitting ResultStage 1 (MapPartitionsRDD[4] at map at SparkSort.scala:25), which has no missing parents

23/05/25 13:06:51 INFO memory.MemoryStore: Block broadcast\_2 stored as values in memory (estimated size 10.6 KB, free 365.9 MB)

23/05/25 13:06:51 INFO memory.MemoryStore: Block broadcast\_2\_piece0 stored as bytes in memory (estimated size 5.6 KB, free 365.9 MB)

23/05/25 13:06:51 INFO storage.BlockManagerInfo: Added broadcast\_2\_piece0 in memory on ip-10-1-1-204.ap-south-1.compute.internal:42947 (size: 5.6 KB, free: 366.3 MB)

23/05/25 13:06:51 INFO spark.SparkContext: Created broadcast 2 from broadcast at DAGScheduler.scala:1164

23/05/25 13:06:51 INFO scheduler.DAGScheduler: Submitting 1 missing tasks from ResultStage 1 (MapPartitionsRDD[4] at map at SparkSort.scala:25) (first 15 tasks are for partitions Vector(0))

23/05/25 13:06:51 INFO cluster.YarnScheduler: Adding task set 1.0 with 1 tasks

23/05/25 13:06:51 INFO scheduler.TaskSetManager: Starting task 0.0 in stage 1.0 (TID 1, ip-10-1-2-40.ap-south-1.compute.internal, executor 1, partition 0, PROCESS\_LOCAL, 8347 bytes)

23/05/25 13:06:51 INFO storage.BlockManagerInfo: Added broadcast\_2\_piece0 in memory on ip-10-1-2-40.ap-south-1.compute.internal:41263 (size: 5.6 KB, free: 366.3 MB)

23/05/25 13:06:51 INFO scheduler.TaskSetManager: Finished task 0.0 in stage 1.0 (TID 1) in 263 ms on ip-10-1-2-40.ap-south-1.compute.internal (executor 1) (1/1)

23/05/25 13:06:51 INFO cluster.YarnScheduler: Removed TaskSet 1.0, whose tasks have all completed, from pool

23/05/25 13:06:51 INFO scheduler.DAGScheduler: ResultStage 1 (foreach at SparkSort.scala:33) finished in 0.294 s

23/05/25 13:06:51 INFO scheduler.DAGScheduler: Job 1 finished: foreach at SparkSort.scala:33, took 0.302399 s

-->Iteration 2 took 307 ms

23/05/25 13:06:51 INFO spark.SparkContext: Starting job: foreach at SparkSort.scala:33

23/05/25 13:06:51 INFO scheduler.DAGScheduler: Got job 2 (foreach at SparkSort.scala:33) with 1 output partitions

23/05/25 13:06:51 INFO scheduler.DAGScheduler: Final stage: ResultStage 2 (foreach at SparkSort.scala:33)

23/05/25 13:06:51 INFO scheduler.DAGScheduler: Parents of final stage: List()

23/05/25 13:06:51 INFO scheduler.DAGScheduler: Missing parents: List()

23/05/25 13:06:51 INFO scheduler.DAGScheduler: Submitting ResultStage 2 (MapPartitionsRDD[4] at map at SparkSort.scala:25), which has no missing parents

23/05/25 13:06:51 INFO memory.MemoryStore: Block broadcast\_3 stored as values in memory (estimated size 10.6 KB, free 365.9 MB)

23/05/25 13:06:51 INFO memory.MemoryStore: Block broadcast\_3\_piece0 stored as bytes in memory (estimated size 5.6 KB, free 365.9 MB)

23/05/25 13:06:51 INFO storage.BlockManagerInfo: Added broadcast\_3\_piece0 in memory on ip-10-1-1-204.ap-south-1.compute.internal:42947 (size: 5.6 KB, free: 366.3 MB)

23/05/25 13:06:51 INFO spark.SparkContext: Created broadcast 3 from broadcast at DAGScheduler.scala:1164

23/05/25 13:06:51 INFO scheduler.DAGScheduler: Submitting 1 missing tasks from ResultStage 2 (MapPartitionsRDD[4] at map at SparkSort.scala:25) (first 15 tasks are for partitions Vector(0))

23/05/25 13:06:51 INFO cluster.YarnScheduler: Adding task set 2.0 with 1 tasks

23/05/25 13:06:51 INFO scheduler.TaskSetManager: Starting task 0.0 in stage 2.0 (TID 2, ip-10-1-2-40.ap-south-1.compute.internal, executor 1, partition 0, PROCESS\_LOCAL, 8347 bytes)

23/05/25 13:06:52 INFO storage.BlockManagerInfo: Added broadcast\_3\_piece0 in memory on ip-10-1-2-40.ap-south-1.compute.internal:41263 (size: 5.6 KB, free: 366.3 MB)

23/05/25 13:06:52 INFO scheduler.TaskSetManager: Finished task 0.0 in stage 2.0 (TID 2) in 116 ms on ip-10-1-2-40.ap-south-1.compute.internal (executor 1) (1/1)

23/05/25 13:06:52 INFO cluster.YarnScheduler: Removed TaskSet 2.0, whose tasks have all completed, from pool

23/05/25 13:06:52 INFO scheduler.DAGScheduler: ResultStage 2 (foreach at SparkSort.scala:33) finished in 0.131 s

23/05/25 13:06:52 INFO scheduler.DAGScheduler: Job 2 finished: foreach at SparkSort.scala:33, took 0.138163 s

-->Iteration 3 took 144 ms

23/05/25 13:06:52 INFO spark.SparkContext: Starting job: foreach at SparkSort.scala:33

23/05/25 13:06:52 INFO scheduler.DAGScheduler: Got job 3 (foreach at SparkSort.scala:33) with 1 output partitions

23/05/25 13:06:52 INFO scheduler.DAGScheduler: Final stage: ResultStage 3 (foreach at SparkSort.scala:33)

23/05/25 13:06:52 INFO scheduler.DAGScheduler: Parents of final stage: List()

23/05/25 13:06:52 INFO scheduler.DAGScheduler: Missing parents: List()

23/05/25 13:06:52 INFO scheduler.DAGScheduler: Submitting ResultStage 3 (MapPartitionsRDD[4] at map at SparkSort.scala:25), which has no missing parents

23/05/25 13:06:52 INFO memory.MemoryStore: Block broadcast\_4 stored as values in memory (estimated size 10.6 KB, free 365.9 MB)

23/05/25 13:06:52 INFO memory.MemoryStore: Block broadcast\_4\_piece0 stored as bytes in memory (estimated size 5.6 KB, free 365.9 MB)

23/05/25 13:06:52 INFO storage.BlockManagerInfo: Added broadcast\_4\_piece0 in memory on ip-10-1-1-204.ap-south-1.compute.internal:42947 (size: 5.6 KB, free: 366.2 MB)

23/05/25 13:06:52 INFO spark.SparkContext: Created broadcast 4 from broadcast at DAGScheduler.scala:1164

23/05/25 13:06:52 INFO scheduler.DAGScheduler: Submitting 1 missing tasks from ResultStage 3 (MapPartitionsRDD[4] at map at SparkSort.scala:25) (first 15 tasks are for partitions Vector(0))

23/05/25 13:06:52 INFO cluster.YarnScheduler: Adding task set 3.0 with 1 tasks

23/05/25 13:06:52 INFO scheduler.TaskSetManager: Starting task 0.0 in stage 3.0 (TID 3, ip-10-1-2-40.ap-south-1.compute.internal, executor 1, partition 0, PROCESS\_LOCAL, 8347 bytes)

23/05/25 13:06:52 INFO storage.BlockManagerInfo: Added broadcast\_4\_piece0 in memory on ip-10-1-2-40.ap-south-1.compute.internal:41263 (size: 5.6 KB, free: 366.2 MB)

23/05/25 13:06:52 INFO scheduler.TaskSetManager: Finished task 0.0 in stage 3.0 (TID 3) in 91 ms on ip-10-1-2-40.ap-south-1.compute.internal (executor 1) (1/1)

23/05/25 13:06:52 INFO cluster.YarnScheduler: Removed TaskSet 3.0, whose tasks have all completed, from pool

23/05/25 13:06:52 INFO scheduler.DAGScheduler: ResultStage 3 (foreach at SparkSort.scala:33) finished in 0.106 s

23/05/25 13:06:52 INFO scheduler.DAGScheduler: Job 3 finished: foreach at SparkSort.scala:33, took 0.112156 s

-->Iteration 4 took 118 ms

23/05/25 13:06:52 INFO spark.SparkContext: Starting job: foreach at SparkSort.scala:33

23/05/25 13:06:52 INFO scheduler.DAGScheduler: Got job 4 (foreach at SparkSort.scala:33) with 1 output partitions

23/05/25 13:06:52 INFO scheduler.DAGScheduler: Final stage: ResultStage 4 (foreach at SparkSort.scala:33)

23/05/25 13:06:52 INFO scheduler.DAGScheduler: Parents of final stage: List()

23/05/25 13:06:52 INFO scheduler.DAGScheduler: Missing parents: List()

23/05/25 13:06:52 INFO scheduler.DAGScheduler: Submitting ResultStage 4 (MapPartitionsRDD[4] at map at SparkSort.scala:25), which has no missing parents

23/05/25 13:06:52 INFO memory.MemoryStore: Block broadcast\_5 stored as values in memory (estimated size 10.6 KB, free 365.9 MB)

23/05/25 13:06:52 INFO memory.MemoryStore: Block broadcast\_5\_piece0 stored as bytes in memory (estimated size 5.6 KB, free 365.9 MB)

23/05/25 13:06:52 INFO storage.BlockManagerInfo: Added broadcast\_5\_piece0 in memory on ip-10-1-1-204.ap-south-1.compute.internal:42947 (size: 5.6 KB, free: 366.2 MB)

23/05/25 13:06:52 INFO spark.SparkContext: Created broadcast 5 from broadcast at DAGScheduler.scala:1164

23/05/25 13:06:52 INFO scheduler.DAGScheduler: Submitting 1 missing tasks from ResultStage 4 (MapPartitionsRDD[4] at map at SparkSort.scala:25) (first 15 tasks are for partitions Vector(0))

23/05/25 13:06:52 INFO cluster.YarnScheduler: Adding task set 4.0 with 1 tasks

23/05/25 13:06:52 INFO scheduler.TaskSetManager: Starting task 0.0 in stage 4.0 (TID 4, ip-10-1-2-40.ap-south-1.compute.internal, executor 1, partition 0, PROCESS\_LOCAL, 8347 bytes)

23/05/25 13:06:52 INFO storage.BlockManagerInfo: Added broadcast\_5\_piece0 in memory on ip-10-1-2-40.ap-south-1.compute.internal:41263 (size: 5.6 KB, free: 366.2 MB)

23/05/25 13:06:52 INFO scheduler.TaskSetManager: Finished task 0.0 in stage 4.0 (TID 4) in 90 ms on ip-10-1-2-40.ap-south-1.compute.internal (executor 1) (1/1)

23/05/25 13:06:52 INFO cluster.YarnScheduler: Removed TaskSet 4.0, whose tasks have all completed, from pool

23/05/25 13:06:52 INFO scheduler.DAGScheduler: ResultStage 4 (foreach at SparkSort.scala:33) finished in 0.101 s

23/05/25 13:06:52 INFO scheduler.DAGScheduler: Job 4 finished: foreach at SparkSort.scala:33, took 0.105685 s

-->Iteration 5 took 110 ms

23/05/25 13:06:52 INFO spark.SparkContext: Starting job: foreach at SparkSort.scala:33

23/05/25 13:06:52 INFO scheduler.DAGScheduler: Got job 5 (foreach at SparkSort.scala:33) with 1 output partitions

23/05/25 13:06:52 INFO scheduler.DAGScheduler: Final stage: ResultStage 5 (foreach at SparkSort.scala:33)

23/05/25 13:06:52 INFO scheduler.DAGScheduler: Parents of final stage: List()

23/05/25 13:06:52 INFO scheduler.DAGScheduler: Missing parents: List()

23/05/25 13:06:52 INFO scheduler.DAGScheduler: Submitting ResultStage 5 (MapPartitionsRDD[4] at map at SparkSort.scala:25), which has no missing parents

23/05/25 13:06:52 INFO memory.MemoryStore: Block broadcast\_6 stored as values in memory (estimated size 10.6 KB, free 365.9 MB)

23/05/25 13:06:52 INFO memory.MemoryStore: Block broadcast\_6\_piece0 stored as bytes in memory (estimated size 5.6 KB, free 365.8 MB)

23/05/25 13:06:52 INFO storage.BlockManagerInfo: Added broadcast\_6\_piece0 in memory on ip-10-1-1-204.ap-south-1.compute.internal:42947 (size: 5.6 KB, free: 366.2 MB)

23/05/25 13:06:52 INFO spark.SparkContext: Created broadcast 6 from broadcast at DAGScheduler.scala:1164

23/05/25 13:06:52 INFO scheduler.DAGScheduler: Submitting 1 missing tasks from ResultStage 5 (MapPartitionsRDD[4] at map at SparkSort.scala:25) (first 15 tasks are for partitions Vector(0))

23/05/25 13:06:52 INFO cluster.YarnScheduler: Adding task set 5.0 with 1 tasks

23/05/25 13:06:52 INFO scheduler.TaskSetManager: Starting task 0.0 in stage 5.0 (TID 5, ip-10-1-2-40.ap-south-1.compute.internal, executor 1, partition 0, PROCESS\_LOCAL, 8347 bytes)

23/05/25 13:06:52 INFO storage.BlockManagerInfo: Added broadcast\_6\_piece0 in memory on ip-10-1-2-40.ap-south-1.compute.internal:41263 (size: 5.6 KB, free: 366.2 MB)

23/05/25 13:06:52 INFO scheduler.TaskSetManager: Finished task 0.0 in stage 5.0 (TID 5) in 94 ms on ip-10-1-2-40.ap-south-1.compute.internal (executor 1) (1/1)

23/05/25 13:06:52 INFO cluster.YarnScheduler: Removed TaskSet 5.0, whose tasks have all completed, from pool

23/05/25 13:06:52 INFO scheduler.DAGScheduler: ResultStage 5 (foreach at SparkSort.scala:33) finished in 0.105 s

23/05/25 13:06:52 INFO scheduler.DAGScheduler: Job 5 finished: foreach at SparkSort.scala:33, took 0.109608 s

-->Iteration 6 took 114 ms

23/05/25 13:06:52 INFO spark.SparkContext: Starting job: foreach at SparkSort.scala:33

23/05/25 13:06:52 INFO scheduler.DAGScheduler: Got job 6 (foreach at SparkSort.scala:33) with 1 output partitions

23/05/25 13:06:52 INFO scheduler.DAGScheduler: Final stage: ResultStage 6 (foreach at SparkSort.scala:33)

23/05/25 13:06:52 INFO scheduler.DAGScheduler: Parents of final stage: List()

23/05/25 13:06:52 INFO scheduler.DAGScheduler: Missing parents: List()

23/05/25 13:06:52 INFO scheduler.DAGScheduler: Submitting ResultStage 6 (MapPartitionsRDD[4] at map at SparkSort.scala:25), which has no missing parents

23/05/25 13:06:52 INFO memory.MemoryStore: Block broadcast\_7 stored as values in memory (estimated size 10.6 KB, free 365.8 MB)

23/05/25 13:06:52 INFO memory.MemoryStore: Block broadcast\_7\_piece0 stored as bytes in memory (estimated size 5.6 KB, free 365.8 MB)

23/05/25 13:06:52 INFO storage.BlockManagerInfo: Added broadcast\_7\_piece0 in memory on ip-10-1-1-204.ap-south-1.compute.internal:42947 (size: 5.6 KB, free: 366.2 MB)

23/05/25 13:06:52 INFO spark.SparkContext: Created broadcast 7 from broadcast at DAGScheduler.scala:1164

23/05/25 13:06:52 INFO scheduler.DAGScheduler: Submitting 1 missing tasks from ResultStage 6 (MapPartitionsRDD[4] at map at SparkSort.scala:25) (first 15 tasks are for partitions Vector(0))

23/05/25 13:06:52 INFO cluster.YarnScheduler: Adding task set 6.0 with 1 tasks

23/05/25 13:06:52 INFO scheduler.TaskSetManager: Starting task 0.0 in stage 6.0 (TID 6, ip-10-1-2-40.ap-south-1.compute.internal, executor 1, partition 0, PROCESS\_LOCAL, 8347 bytes)

23/05/25 13:06:52 INFO storage.BlockManagerInfo: Added broadcast\_7\_piece0 in memory on ip-10-1-2-40.ap-south-1.compute.internal:41263 (size: 5.6 KB, free: 366.2 MB)

23/05/25 13:06:52 INFO scheduler.TaskSetManager: Finished task 0.0 in stage 6.0 (TID 6) in 65 ms on ip-10-1-2-40.ap-south-1.compute.internal (executor 1) (1/1)

23/05/25 13:06:52 INFO cluster.YarnScheduler: Removed TaskSet 6.0, whose tasks have all completed, from pool

23/05/25 13:06:52 INFO scheduler.DAGScheduler: ResultStage 6 (foreach at SparkSort.scala:33) finished in 0.077 s

23/05/25 13:06:52 INFO scheduler.DAGScheduler: Job 6 finished: foreach at SparkSort.scala:33, took 0.080482 s

-->Iteration 7 took 85 ms

23/05/25 13:06:52 INFO spark.SparkContext: Starting job: foreach at SparkSort.scala:33

23/05/25 13:06:52 INFO scheduler.DAGScheduler: Got job 7 (foreach at SparkSort.scala:33) with 1 output partitions

23/05/25 13:06:52 INFO scheduler.DAGScheduler: Final stage: ResultStage 7 (foreach at SparkSort.scala:33)

23/05/25 13:06:52 INFO scheduler.DAGScheduler: Parents of final stage: List()

23/05/25 13:06:52 INFO scheduler.DAGScheduler: Missing parents: List()

23/05/25 13:06:52 INFO scheduler.DAGScheduler: Submitting ResultStage 7 (MapPartitionsRDD[4] at map at SparkSort.scala:25), which has no missing parents

23/05/25 13:06:52 INFO memory.MemoryStore: Block broadcast\_8 stored as values in memory (estimated size 10.6 KB, free 365.8 MB)

23/05/25 13:06:52 INFO memory.MemoryStore: Block broadcast\_8\_piece0 stored as bytes in memory (estimated size 5.6 KB, free 365.8 MB)

23/05/25 13:06:52 INFO storage.BlockManagerInfo: Added broadcast\_8\_piece0 in memory on ip-10-1-1-204.ap-south-1.compute.internal:42947 (size: 5.6 KB, free: 366.2 MB)

23/05/25 13:06:52 INFO spark.SparkContext: Created broadcast 8 from broadcast at DAGScheduler.scala:1164

23/05/25 13:06:52 INFO scheduler.DAGScheduler: Submitting 1 missing tasks from ResultStage 7 (MapPartitionsRDD[4] at map at SparkSort.scala:25) (first 15 tasks are for partitions Vector(0))

23/05/25 13:06:52 INFO cluster.YarnScheduler: Adding task set 7.0 with 1 tasks

23/05/25 13:06:52 INFO scheduler.TaskSetManager: Starting task 0.0 in stage 7.0 (TID 7, ip-10-1-2-40.ap-south-1.compute.internal, executor 1, partition 0, PROCESS\_LOCAL, 8347 bytes)

23/05/25 13:06:52 INFO storage.BlockManagerInfo: Added broadcast\_8\_piece0 in memory on ip-10-1-2-40.ap-south-1.compute.internal:41263 (size: 5.6 KB, free: 366.2 MB)

23/05/25 13:06:52 INFO scheduler.TaskSetManager: Finished task 0.0 in stage 7.0 (TID 7) in 100 ms on ip-10-1-2-40.ap-south-1.compute.internal (executor 1) (1/1)

23/05/25 13:06:52 INFO cluster.YarnScheduler: Removed TaskSet 7.0, whose tasks have all completed, from pool

23/05/25 13:06:52 INFO scheduler.DAGScheduler: ResultStage 7 (foreach at SparkSort.scala:33) finished in 0.111 s

23/05/25 13:06:52 INFO scheduler.DAGScheduler: Job 7 finished: foreach at SparkSort.scala:33, took 0.114674 s

-->Iteration 8 took 119 ms

23/05/25 13:06:52 INFO spark.SparkContext: Starting job: foreach at SparkSort.scala:33

23/05/25 13:06:52 INFO scheduler.DAGScheduler: Got job 8 (foreach at SparkSort.scala:33) with 1 output partitions

23/05/25 13:06:52 INFO scheduler.DAGScheduler: Final stage: ResultStage 8 (foreach at SparkSort.scala:33)

23/05/25 13:06:52 INFO scheduler.DAGScheduler: Parents of final stage: List()

23/05/25 13:06:52 INFO scheduler.DAGScheduler: Missing parents: List()

23/05/25 13:06:52 INFO scheduler.DAGScheduler: Submitting ResultStage 8 (MapPartitionsRDD[4] at map at SparkSort.scala:25), which has no missing parents

23/05/25 13:06:52 INFO memory.MemoryStore: Block broadcast\_9 stored as values in memory (estimated size 10.6 KB, free 365.8 MB)

23/05/25 13:06:52 INFO memory.MemoryStore: Block broadcast\_9\_piece0 stored as bytes in memory (estimated size 5.6 KB, free 365.8 MB)

23/05/25 13:06:52 INFO storage.BlockManagerInfo: Added broadcast\_9\_piece0 in memory on ip-10-1-1-204.ap-south-1.compute.internal:42947 (size: 5.6 KB, free: 366.2 MB)

23/05/25 13:06:52 INFO spark.SparkContext: Created broadcast 9 from broadcast at DAGScheduler.scala:1164

23/05/25 13:06:52 INFO scheduler.DAGScheduler: Submitting 1 missing tasks from ResultStage 8 (MapPartitionsRDD[4] at map at SparkSort.scala:25) (first 15 tasks are for partitions Vector(0))

23/05/25 13:06:52 INFO cluster.YarnScheduler: Adding task set 8.0 with 1 tasks

23/05/25 13:06:52 INFO scheduler.TaskSetManager: Starting task 0.0 in stage 8.0 (TID 8, ip-10-1-2-40.ap-south-1.compute.internal, executor 1, partition 0, PROCESS\_LOCAL, 8347 bytes)

23/05/25 13:06:52 INFO storage.BlockManagerInfo: Added broadcast\_9\_piece0 in memory on ip-10-1-2-40.ap-south-1.compute.internal:41263 (size: 5.6 KB, free: 366.2 MB)

23/05/25 13:06:52 INFO scheduler.TaskSetManager: Finished task 0.0 in stage 8.0 (TID 8) in 70 ms on ip-10-1-2-40.ap-south-1.compute.internal (executor 1) (1/1)

23/05/25 13:06:52 INFO cluster.YarnScheduler: Removed TaskSet 8.0, whose tasks have all completed, from pool

23/05/25 13:06:52 INFO scheduler.DAGScheduler: ResultStage 8 (foreach at SparkSort.scala:33) finished in 0.081 s

23/05/25 13:06:52 INFO scheduler.DAGScheduler: Job 8 finished: foreach at SparkSort.scala:33, took 0.084467 s

-->Iteration 9 took 89 ms

23/05/25 13:06:52 INFO spark.SparkContext: Starting job: foreach at SparkSort.scala:33

23/05/25 13:06:52 INFO scheduler.DAGScheduler: Got job 9 (foreach at SparkSort.scala:33) with 1 output partitions

23/05/25 13:06:52 INFO scheduler.DAGScheduler: Final stage: ResultStage 9 (foreach at SparkSort.scala:33)

23/05/25 13:06:52 INFO scheduler.DAGScheduler: Parents of final stage: List()

23/05/25 13:06:52 INFO scheduler.DAGScheduler: Missing parents: List()

23/05/25 13:06:52 INFO scheduler.DAGScheduler: Submitting ResultStage 9 (MapPartitionsRDD[4] at map at SparkSort.scala:25), which has no missing parents

23/05/25 13:06:52 INFO memory.MemoryStore: Block broadcast\_10 stored as values in memory (estimated size 10.6 KB, free 365.8 MB)

23/05/25 13:06:52 INFO memory.MemoryStore: Block broadcast\_10\_piece0 stored as bytes in memory (estimated size 5.6 KB, free 365.8 MB)

23/05/25 13:06:52 INFO storage.BlockManagerInfo: Added broadcast\_10\_piece0 in memory on ip-10-1-1-204.ap-south-1.compute.internal:42947 (size: 5.6 KB, free: 366.2 MB)

23/05/25 13:06:52 INFO spark.SparkContext: Created broadcast 10 from broadcast at DAGScheduler.scala:1164

23/05/25 13:06:52 INFO scheduler.DAGScheduler: Submitting 1 missing tasks from ResultStage 9 (MapPartitionsRDD[4] at map at SparkSort.scala:25) (first 15 tasks are for partitions Vector(0))

23/05/25 13:06:52 INFO cluster.YarnScheduler: Adding task set 9.0 with 1 tasks

23/05/25 13:06:52 INFO scheduler.TaskSetManager: Starting task 0.0 in stage 9.0 (TID 9, ip-10-1-2-40.ap-south-1.compute.internal, executor 1, partition 0, PROCESS\_LOCAL, 8347 bytes)

23/05/25 13:06:52 INFO storage.BlockManagerInfo: Added broadcast\_10\_piece0 in memory on ip-10-1-2-40.ap-south-1.compute.internal:41263 (size: 5.6 KB, free: 366.2 MB)

23/05/25 13:06:52 INFO scheduler.TaskSetManager: Finished task 0.0 in stage 9.0 (TID 9) in 56 ms on ip-10-1-2-40.ap-south-1.compute.internal (executor 1) (1/1)

23/05/25 13:06:52 INFO cluster.YarnScheduler: Removed TaskSet 9.0, whose tasks have all completed, from pool

23/05/25 13:06:52 INFO scheduler.DAGScheduler: ResultStage 9 (foreach at SparkSort.scala:33) finished in 0.069 s

23/05/25 13:06:52 INFO scheduler.DAGScheduler: Job 9 finished: foreach at SparkSort.scala:33, took 0.074613 s

-->Iteration 10 took 79 ms

23/05/25 13:06:52 INFO cluster.YarnClientSchedulerBackend: Interrupting monitor thread

23/05/25 13:06:52 INFO cluster.YarnClientSchedulerBackend: Shutting down all executors

23/05/25 13:06:52 INFO cluster.YarnSchedulerBackend$YarnDriverEndpoint: Asking each executor to shut down

23/05/25 13:06:52 INFO cluster.SchedulerExtensionServices: Stopping SchedulerExtensionServices

(serviceOption=None,

services=List(),

started=false)

23/05/25 13:06:52 INFO cluster.YarnClientSchedulerBackend: Stopped

23/05/25 13:06:52 INFO spark.MapOutputTrackerMasterEndpoint: MapOutputTrackerMasterEndpoint stopped!

23/05/25 13:06:52 INFO memory.MemoryStore: MemoryStore cleared

23/05/25 13:06:52 INFO storage.BlockManager: BlockManager stopped

23/05/25 13:06:52 INFO storage.BlockManagerMaster: BlockManagerMaster stopped

23/05/25 13:06:52 INFO scheduler.OutputCommitCoordinator$OutputCommitCoordinatorEndpoint: OutputCommitCoordinator stopped!

23/05/25 13:06:52 INFO spark.SparkContext: Successfully stopped SparkContext

23/05/25 13:06:52 INFO util.ShutdownHookManager: Shutdown hook called

23/05/25 13:06:52 INFO util.ShutdownHookManager: Deleting directory /tmp/spark-8cca7a44-6b6a-4454-93d1-cdc4d2a3f436

23/05/25 13:06:52 INFO util.ShutdownHookManager: Deleting directory /tmp/spark-f12e6dab-06b6-44ff-af99-981e5c09d7a8

[raghavendr48edu@ip-10-1-1-204 training\_project3]$

*From <*[*https://bigdata.cloudlabs.edureka.co/shell/*](https://bigdata.cloudlabs.edureka.co/shell/)*>*

**If you see Hello From Raghav is logged during execution**

[raghavendr48edu@ip-10-1-1-204 training\_project3]$ **yarn logs --applicationId application\_1684866872278\_1287**

WARNING: YARN\_OPTS has been replaced by HADOOP\_OPTS. Using value of YARN\_OPTS.

23/05/25 13:16:00 INFO client.RMProxy: Connecting to ResourceManager at ip-10-1-1-204.ap-south-1.compute.internal/10.1.1.204:8032

End of LogType:prelaunch.err

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

Container: container\_1684866872278\_1287\_01\_000001 on ip-10-1-2-175.ap-south-1.compute.internal\_8041

LogAggregationType: AGGREGATED

===================================================================================================

LogType:prelaunch.out

LogLastModifiedTime:Thu May 25 13:06:54 +0000 2023

LogLength:70

LogContents:

Setting up env variables

Setting up job resources

Launching container

End of LogType:prelaunch.out

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

Container: container\_1684866872278\_1287\_01\_000001 on ip-10-1-2-175.ap-south-1.compute.internal\_8041

LogAggregationType: AGGREGATED

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LogType:stderr

LogLastModifiedTime:Thu May 25 13:06:54 +0000 2023

LogLength:34735

LogContents:

23/05/25 13:06:19 INFO util.SignalUtils: Registered signal handler for TERM

23/05/25 13:06:19 INFO util.SignalUtils: Registered signal handler for HUP

23/05/25 13:06:19 INFO util.SignalUtils: Registered signal handler for INT

23/05/25 13:06:20 INFO spark.SecurityManager: Changing view acls to: yarn,raghavendr48edu

23/05/25 13:06:20 INFO spark.SecurityManager: Changing modify acls to: yarn,raghavendr48edu

23/05/25 13:06:20 INFO spark.SecurityManager: Changing view acls groups to:

23/05/25 13:06:20 INFO spark.SecurityManager: Changing modify acls groups to:

23/05/25 13:06:20 INFO spark.SecurityManager: SecurityManager: authentication disabled; ui acls disabled; users with view permissions: Set(yarn, raghavendr48edu); groups with view permissions: Set(); users with modify permissions: Se

t(yarn, raghavendr48edu); groups with modify permissions: Set()

23/05/25 13:06:21 INFO yarn.ApplicationMaster: ApplicationAttemptId: appattempt\_1684866872278\_1287\_000001

23/05/25 13:06:21 INFO client.RMProxy: Connecting to ResourceManager at ip-10-1-1-204.ap-south-1.compute.internal/10.1.1.204:8030

23/05/25 13:06:21 INFO yarn.YarnRMClient: Registering the ApplicationMaster

23/05/25 13:06:22 INFO client.TransportClientFactory: Successfully created connection to ip-10-1-1-204.ap-south-1.compute.internal/10.1.1.204:34843 after 162 ms (0 ms spent in bootstraps)

23/05/25 13:06:22 INFO yarn.ApplicationMaster: Preparing Local resources

23/05/25 13:06:23 INFO yarn.ApplicationMaster:

===============================================================================

YARN executor launch context:

env:

CLASSPATH -> {{PWD}}<CPS>{{PWD}}/\_\_spark\_conf\_\_<CPS>{{PWD}}/\_\_spark\_libs\_\_/\*<CPS>{{HADOOP\_COMMON\_HOME}}/../../../CDH-6.2.1-1.cdh6.2.1.p0.1425774/lib/spark/jars/\*<CPS>{{HADOOP\_COMMON\_HOME}}/../../../CDH-6.2.1-1.cdh6.2.1.p0.1425774/l

ib/spark/hive/\*<CPS>$HADOOP\_CLIENT\_CONF\_DIR<CPS>$HADOOP\_COMMON\_HOME/\*<CPS>$HADOOP\_COMMON\_HOME/lib/\*<CPS>$HADOOP\_HDFS\_HOME/\*<CPS>$HADOOP\_HDFS\_HOME/lib/\*<CPS>$HADOOP\_YARN\_HOME/\*<CPS>$HADOOP\_YARN\_HOME/lib/\*<CPS>$HADOOP\_CLIENT\_CONF\_DIR<CPS

>$PWD/mr-framework/\*<CPS>$MR2\_CLASSPATH<CPS>{{HADOOP\_COMMON\_HOME}}/../../../CDH-6.2.1-1.cdh6.2.1.p0.1425774/lib/hadoop/client/accessors-smart-1.2.jar:{{HADOOP\_COMMON\_HOME}}/../../../CDH-6.2.1-1.cdh6.2.1.p0.1425774/lib/hadoop/client/acc

essors-smart.jar:{{HADOOP\_COMMON\_HOME}}/../../../CDH-6.2.1-1.cdh6.2.1.p0.1425774/lib/hadoop/client/asm-5.0.4.jar:{{HADOOP\_COMMON\_HOME}}/../../../CDH-6.2.1-1.cdh6.2.1.p0.1425774/lib/hadoop/client/asm.jar:{{HADOOP\_COMMON\_HOME}}/../../../

CDH-6.2.1-1.cdh6.2.1.p0.1425774/lib/hadoop/client/avro.jar:{{HADOOP\_COMMON\_HOME}}/../../../CDH-6.2.1-1.cdh6.2.1.p0.1425774/lib/hadoop/client/aws-java-sdk-bundle-1.11.271.jar:{{HADOOP\_COMMON\_HOME}}/../../../CDH-6.2.1-1.cdh6.2.1.p0.14257

74/lib/hadoop/client/aws-java-sdk-bundle.jar:{{HADOOP\_COMMON\_HOME}}/../../../CDH-6.2.1-1.cdh6.2.1.p0.1425774/lib/hadoop/client/azure-data-lake-store-sdk-2.2.9.jar:{{HADOOP\_COMMON\_HOME}}/../../../CDH-6.2.1-1.cdh6.2.1.p0.1425774/lib/hado

op/client/azure-data-lake-store-sdk.jar:{{HADOOP\_COMMON\_HOME}}/../../../CDH-6.2.1-1.cdh6.2.1.p0.1425774/lib/hadoop/client/commons-beanutils-1.9.3.jar:{{HADOOP\_COMMON\_HOME}}/../../../CDH-6.2.1-1.cdh6.2.1.p0.1425774/lib/hadoop/client/com

mons-beanutils.jar:{{HADOOP\_COMMON\_HOME}}/../../../CDH-6.2.1-1.cdh6.2.1.p0.1425774/lib/hadoop/client/commons-cli-1.2.jar:{{HADOOP\_COMMON\_HOME}}/../../../CDH-6.2.1-1.cdh6.2.1.p0.1425774/lib/hadoop/client/commons-cli.jar:{{HADOOP\_COMMON\_

HOME}}/../../../CDH-6.2.1-1.cdh6.2.1.p0.1425774/lib/hadoop/client/commons-codec-1.11.jar:{{HADOOP\_COMMON\_HOME}}/../../../CDH-6.2.1-1.cdh6.2.1.p0.1425774/lib/hadoop/client/commons-codec.jar:{{HADOOP\_COMMON\_HOME}}/../../../CDH-6.2.1-1.cd

h6.2.1.p0.1425774/lib/hadoop/client/commons-collections-3.2.2.jar:{{HADOOP\_COMMON\_HOME}}/../../../CDH-6.2.1-1.cdh6.2.1.p0.1425774/lib/hadoop/client/commons-collections.jar:{{HADOOP\_COMMON\_HOME}}/../../../CDH-6.2.1-1.cdh6.2.1.p0.1425774

/lib/hadoop/client/commons-compress-1.18.jar:{{HADOOP\_COMMON\_HOME}}/../../../CDH-6.2.1-1.cdh6.2.1.p0.1425774/lib/hadoop/client/commons-compress.jar:{{HADOOP\_COMMON\_HOME}}/../../../CDH-6.2.1-1.cdh6.2.1.p0.1425774/lib/hadoop/client/commo

ns-configuration2-2.1.1.jar:{{HADOOP\_COMMON\_HOME}}/../../../CDH-6.2.1-1.cdh6.2.1.p0.1425774/lib/hadoop/client/commons-configuration2.jar:{{HADOOP\_COMMON\_HOME}}/../../../CDH-6.2.1-1.cdh6.2.1.p0.1425774/lib/hadoop/client/commons-io-2.6.j

ar:{{HADOOP\_COMMON\_HOME}}/../../../CDH-6.2.1-1.cdh6.2.1.p0.1425774/lib/hadoop/client/commons-io.jar:{{HADOOP\_COMMON\_HOME}}/../../../CDH-6.2.1-1.cdh6.2.1.p0.1425774/lib/hadoop/client/commons-lang-2.6.jar:{{HADOOP\_COMMON\_HOME}}/../../../

CDH-6.2.1-1.cdh6.2.1.p0.1425774/lib/hadoop/client/commons-lang.jar:{{HADOOP\_COMMON\_HOME}}/../../../CDH-6.2.1-1.cdh6.2.1.p0.1425774/lib/hadoop/client/commons-lang3-3.7.jar:{{HADOOP\_COMMON\_HOME}}/../../../CDH-6.2.1-1.cdh6.2.1.p0.1425774/

lib/hadoop/client/commons-lang3.jar:{{HADOOP\_COMMON\_HOME}}/../../../CDH-6.2.1-1.cdh6.2.1.p0.1425774/lib/hadoop/client/commons-logging-1.1.3.jar:{{HADOOP\_COMMON\_HOME}}/../../../CDH-6.2.1-1.cdh6.2.1.p0.1425774/lib/hadoop/client/commons-l

ogging.jar:{{HADOOP\_COMMON\_HOME}}/../../../CDH-6.2.1-1.cdh6.2.1.p0.1425774/lib/hadoop/client/commons-math3-3.1.1.jar:{{HADOOP\_COMMON\_HOME}}/../../../CDH-6.2.1-1.cdh6.2.1.p0.1425774/lib/hadoop/client/commons-math3.jar:{{HADOOP\_COMMON\_HO

ME}}/../../../CDH-6.2.1-1.cdh6.2.1.p0.1425774/lib/hadoop/client/commons-net-3.1.jar:{{HADOOP\_COMMON\_HOME}}/../../../CDH-6.2.1-1.cdh6.2.1.p0.1425774/lib/hadoop/client/commons-net.jar:{{HADOOP\_COMMON\_HOME}}/../../../CDH-6.2.1-1.cdh6.2.1.

p0.1425774/lib/hadoop/client/curator-client-2.12.0.jar:{{HADOOP\_COMMON\_HOME}}/../../../CDH-6.2.1-1.cdh6.2.1.p0.1425774/lib/hadoop/client/curator-client.jar:{{HADOOP\_COMMON\_HOME}}/../../../CDH-6.2.1-1.cdh6.2.1.p0.1425774/lib/hadoop/clie

nt/curator-framework-2.12.0.jar:{{HADOOP\_COMMON\_HOME}}/../../../CDH-6.2.1-1.cdh6.2.1.p0.1425774/lib/hadoop/client/curator-framework.jar:{{HADOOP\_COMMON\_HOME}}/../../../CDH-6.2.1-1.cdh6.2.1.p0.1425774/lib/hadoop/client/curator-recipes-2

.12.0.jar:{{HADOOP\_COMMON\_HOME}}/../../../CDH-6.2.1-1.cdh6.2.1.p0.1425774/lib/hadoop/client/curator-recipes.jar:{{HADOOP\_COMMON\_HOME}}/../../../CDH-6.2.1-1.cdh6.2.1.p0.1425774/lib/hadoop/client/gson-2.2.4.jar:{{HADOOP\_COMMON\_HOME}}/../

../../CDH-6.2.1-1.cdh6.2.1.p0.1425774/lib/hadoop/client/gson.jar:{{HADOOP\_COMMON\_HOME}}/../../../CDH-6.2.1-1.cdh6.2.1.p0.1425774/lib/hadoop/client/guava-11.0.2.jar:{{HADOOP\_COMMON\_HOME}}/../../../CDH-6.2.1-1.cdh6.2.1.p0.1425774/lib/had

oop/client/guava.jar:{{HADOOP\_COMMON\_HOME}}/../../../CDH-6.2.1-1.cdh6.2.1.p0.1425774/lib/hadoop/client/hadoop-annotations-3.0.0-cdh6.2.1.jar:{{HADOOP\_COMMON\_HOME}}/../../../CDH-6.2.1-1.cdh6.2.1.p0.1425774/lib/hadoop/client/hadoop-annot

ations.jar:{{HADOOP\_COMMON\_HOME}}/../../../CDH-6.2.1-1.cdh6.2.1.p0.1425774/lib/hadoop/client/hadoop-auth-3.0.0-cdh6.2.1.jar:{{HADOOP\_COMMON\_HOME}}/../../../CDH-6.2.1-1.cdh6.2.1.p0.1425774/lib/hadoop/client/hadoop-auth.jar:{{HADOOP\_COMM

ON\_HOME}}/../../../CDH-6.2.1-1.cdh6.2.1.p0.1425774/lib/hadoop/client/hadoop-aws-3.0.0-cdh6.2.1.jar:{{HADOOP\_COMMON\_HOME}}/../../../CDH-6.2.1-1.cdh6.2.1.p0.1425774/lib/hadoop/client/hadoop-aws.jar:{{HADOOP\_COMMON\_HOME}}/../../../CDH-6.2

.1-1.cdh6.2.1.p0.1425774/lib/hadoop/client/hadoop-azure-3.0.0-cdh6.2.1.jar:{{HADOOP\_COMMON\_HOME}}/../../../CDH-6.2.1-1.cdh6.2.1.p0.1425774/lib/hadoop/client/hadoop-azure-datalake-3.0.0-cdh6.2.1.jar:{{HADOOP\_COMMON\_HOME}}/../../../CDH-6

.2.1-1.cdh6.2.1.p0.1425774/lib/hadoop/client/hadoop-azure-datalake.jar:{{HADOOP\_COMMON\_HOME}}/../../../CDH-6.2.1-1.cdh6.2.1.p0.1425774/lib/hadoop/client/hadoop-azure.jar:{{HADOOP\_COMMON\_HOME}}/../../../CDH-6.2.1-1.cdh6.2.1.p0.1425774/l

ib/hadoop/client/hadoop-common-3.0.0-cdh6.2.1.jar:{{HADOOP\_COMMON\_HOME}}/../../../CDH-6.2.1-1.cdh6.2.1.p0.1425774/lib/hadoop/client/hadoop-common.jar:{{HADOOP\_COMMON\_HOME}}/../../../CDH-6.2.1-1.cdh6.2.1.p0.1425774/lib/hadoop/client/had

oop-hdfs-client-3.0.0-cdh6.2.1.jar:{{HADOOP\_COMMON\_HOME}}/../../../CDH-6.2.1-1.cdh6.2.1.p0.1425774/lib/hadoop/client/hadoop-hdfs-client.jar:{{HADOOP\_COMMON\_HOME}}/../../../CDH-6.2.1-1.cdh6.2.1.p0.1425774/lib/hadoop/client/hadoop-mapred

uce-client-common-3.0.0-cdh6.2.1.jar:{{HADOOP\_COMMON\_HOME}}/../../../CDH-6.2.1-1.cdh6.2.1.p0.1425774/lib/hadoop/client/hadoop-mapreduce-client-common.jar:{{HADOOP\_COMMON\_HOME}}/../../../CDH-6.2.1-1.cdh6.2.1.p0.1425774/lib/hadoop/client

/hadoop-mapreduce-client-core-3.0.0-cdh6.2.1.jar:{{HADOOP\_COMMON\_HOME}}/../../../CDH-6.2.1-1.cdh6.2.1.p0.1425774/lib/hadoop/client/hadoop-mapreduce-client-core.jar:{{HADOOP\_COMMON\_HOME}}/../../../CDH-6.2.1-1.cdh6.2.1.p0.1425774/lib/had

oop/client/hadoop-mapreduce-client-jobclient-3.0.0-cdh6.2.1.jar:{{HADOOP\_COMMON\_HOME}}/../../../CDH-6.2.1-1.cdh6.2.1.p0.1425774/lib/hadoop/client/hadoop-mapreduce-client-jobclient.jar:{{HADOOP\_COMMON\_HOME}}/../../../CDH-6.2.1-1.cdh6.2.

1.p0.1425774/lib/hadoop/client/hadoop-yarn-api-3.0.0-cdh6.2.1.jar:{{HADOOP\_COMMON\_HOME}}/../../../CDH-6.2.1-1.cdh6.2.1.p0.1425774/lib/hadoop/client/hadoop-yarn-api.jar:{{HADOOP\_COMMON\_HOME}}/../../../CDH-6.2.1-1.cdh6.2.1.p0.1425774/lib

/hadoop/client/hadoop-yarn-client-3.0.0-cdh6.2.1.jar:{{HADOOP\_COMMON\_HOME}}/../../../CDH-6.2.1-1.cdh6.2.1.p0.1425774/lib/hadoop/client/hadoop-yarn-client.jar:{{HADOOP\_COMMON\_HOME}}/../../../CDH-6.2.1-1.cdh6.2.1.p0.1425774/lib/hadoop/cl

ient/hadoop-yarn-common-3.0.0-cdh6.2.1.jar:{{HADOOP\_COMMON\_HOME}}/../../../CDH-6.2.1-1.cdh6.2.1.p0.1425774/lib/hadoop/client/hadoop-yarn-common.jar:{{HADOOP\_COMMON\_HOME}}/../../../CDH-6.2.1-1.cdh6.2.1.p0.1425774/lib/hadoop/client/htrac

e-core4-4.1.0-incubating.jar:{{HADOOP\_COMMON\_HOME}}/../../../CDH-6.2.1-1.cdh6.2.1.p0.1425774/lib/hadoop/client/htrace-core4.jar:{{HADOOP\_COMMON\_HOME}}/../../../CDH-6.2.1-1.cdh6.2.1.p0.1425774/lib/hadoop/client/httpclient-4.5.3.jar:{{HA

DOOP\_COMMON\_HOME}}/../../../CDH-6.2.1-1.cdh6.2.1.p0.1425774/lib/hadoop/client/httpclient.jar:{{HADOOP\_COMMON\_HOME}}/../../../CDH-6.2.1-1.cdh6.2.1.p0.1425774/lib/hadoop/client/httpcore-4.4.6.jar:{{HADOOP\_COMMON\_HOME}}/../../../CDH-6.2.1

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nt/jaxb-api.jar:{{HADOOP\_COMMON\_HOME}}/../../../CDH-6.2.1-1.cdh6.2.1.p0.1425774/lib/hadoop/client/jcip-annotations-1.0-1.jar:{{HADOOP\_COMMON\_HOME}}/../../../CDH-6.2.1-1.cdh6.2.1.p0.1425774/lib/hadoop/client/jcip-annotations.jar:{{HADOO

P\_COMMON\_HOME}}/../../../CDH-6.2.1-1.cdh6.2.1.p0.1425774/lib/hadoop/client/json-smart-2.3.jar:{{HADOOP\_COMMON\_HOME}}/../../../CDH-6.2.1-1.cdh6.2.1.p0.1425774/lib/hadoop/client/json-smart.jar:{{HADOOP\_COMMON\_HOME}}/../../../CDH-6.2.1-1.

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5-3.0.0.jar:{{HADOOP\_COMMON\_HOME}}/../../../CDH-6.2.1-1.cdh6.2.1.p0.1425774/lib/hadoop/client/jsr305.jar:{{HADOOP\_COMMON\_HOME}}/../../../CDH-6.2.1-1.cdh6.2.1.p0.1425774/lib/hadoop/client/jsr311-api-1.1.1.jar:{{HADOOP\_COMMON\_HOME}}/../.

./../CDH-6.2.1-1.cdh6.2.1.p0.1425774/lib/hadoop/client/jsr311-api.jar:{{HADOOP\_COMMON\_HOME}}/../../../CDH-6.2.1-1.cdh6.2.1.p0.1425774/lib/hadoop/client/kerb-admin-1.0.0.jar:{{HADOOP\_COMMON\_HOME}}/../../../CDH-6.2.1-1.cdh6.2.1.p0.142577

4/lib/hadoop/client/kerb-admin.jar:{{HADOOP\_COMMON\_HOME}}/../../../CDH-6.2.1-1.cdh6.2.1.p0.1425774/lib/hadoop/client/kerb-client-1.0.0.jar:{{HADOOP\_COMMON\_HOME}}/../../../CDH-6.2.1-1.cdh6.2.1.p0.1425774/lib/hadoop/client/kerb-client.ja

r:{{HADOOP\_COMMON\_HOME}}/../../../CDH-6.2.1-1.cdh6.2.1.p0.1425774/lib/hadoop/client/kerb-common-1.0.0.jar:{{HADOOP\_COMMON\_HOME}}/../../../CDH-6.2.1-1.cdh6.2.1.p0.1425774/lib/hadoop/client/kerb-common.jar:{{HADOOP\_COMMON\_HOME}}/../../..

/CDH-6.2.1-1.cdh6.2.1.p0.1425774/lib/hadoop/client/kerb-core-1.0.0.jar:{{HADOOP\_COMMON\_HOME}}/../../../CDH-6.2.1-1.cdh6.2.1.p0.1425774/lib/hadoop/client/kerb-core.jar:{{HADOOP\_COMMON\_HOME}}/../../../CDH-6.2.1-1.cdh6.2.1.p0.1425774/lib/

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../../CDH-6.2.1-1.cdh6.2.1.p0.1425774/lib/hadoop/client/kerb-server.jar:{{HADOOP\_COMMON\_HOME}}/../../../CDH-6.2.1-1.cdh6.2.1.p0.1425774/lib/hadoop/client/kerb-simplekdc-1.0.0.jar:{{HADOOP\_COMMON\_HOME}}/../../../CDH-6.2.1-1.cdh6.2.1.p0.

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til.jar:{{HADOOP\_COMMON\_HOME}}/../../../CDH-6.2.1-1.cdh6.2.1.p0.1425774/lib/hadoop/client/kerby-asn1-1.0.0.jar:{{HADOOP\_COMMON\_HOME}}/../../../CDH-6.2.1-1.cdh6.2.1.p0.1425774/lib/hadoop/client/kerby-asn1.jar:{{HADOOP\_COMMON\_HOME}}/../.

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1.0.0.jar:{{HADOOP\_COMMON\_HOME}}/../../../CDH-6.2.1-1.cdh6.2.1.p0.1425774/lib/hadoop/client/kerby-util.jar:{{HADOOP\_COMMON\_HOME}}/../../../CDH-6.2.1-1.cdh6.2.1.p0.1425774/lib/hadoop/client/kerby-xdr-1.0.0.jar:{{HADOOP\_COMMON\_HOME}}/../

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b/hadoop/client/log4j.jar:{{HADOOP\_COMMON\_HOME}}/../../../CDH-6.2.1-1.cdh6.2.1.p0.1425774/lib/hadoop/client/nimbus-jose-jwt-4.41.1.jar:{{HADOOP\_COMMON\_HOME}}/../../../CDH-6.2.1-1.cdh6.2.1.p0.1425774/lib/hadoop/client/nimbus-jose-jwt.ja

r:{{HADOOP\_COMMON\_HOME}}/../../../CDH-6.2.1-1.cdh6.2.1.p0.1425774/lib/hadoop/client/okhttp-2.7.5.jar:{{HADOOP\_COMMON\_HOME}}/../../../CDH-6.2.1-1.cdh6.2.1.p0.1425774/lib/hadoop/client/okhttp.jar:{{HADOOP\_COMMON\_HOME}}/../../../CDH-6.2.1

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mer-2.8.jar:{{HADOOP\_COMMON\_HOME}}/../../../CDH-6.2.1-1.cdh6.2.1.p0.1425774/lib/hadoop/client/paranamer.jar:{{HADOOP\_COMMON\_HOME}}/../../../CDH-6.2.1-1.cdh6.2.1.p0.1425774/lib/hadoop/client/protobuf-java-2.5.0.jar:{{HADOOP\_COMMON\_HOME}

}/../../../CDH-6.2.1-1.cdh6.2.1.p0.1425774/lib/hadoop/client/protobuf-java.jar:{{HADOOP\_COMMON\_HOME}}/../../../CDH-6.2.1-1.cdh6.2.1.p0.1425774/lib/hadoop/client/re2j-1.1.jar:{{HADOOP\_COMMON\_HOME}}/../../../CDH-6.2.1-1.cdh6.2.1.p0.14257

74/lib/hadoop/client/re2j.jar:{{HADOOP\_COMMON\_HOME}}/../../../CDH-6.2.1-1.cdh6.2.1.p0.1425774/lib/hadoop/client/snappy-java-1.1.4.jar:{{HADOOP\_COMMON\_HOME}}/../../../CDH-6.2.1-1.cdh6.2.1.p0.1425774/lib/hadoop/client/snappy-java.jar:{{H

ADOOP\_COMMON\_HOME}}/../../../CDH-6.2.1-1.cdh6.2.1.p0.1425774/lib/hadoop/client/stax2-api-3.1.4.jar:{{HADOOP\_COMMON\_HOME}}/../../../CDH-6.2.1-1.cdh6.2.1.p0.1425774/lib/hadoop/client/stax2-api.jar:{{HADOOP\_COMMON\_HOME}}/../../../CDH-6.2.

1-1.cdh6.2.1.p0.1425774/lib/hadoop/client/wildfly-openssl-1.0.4.Final.jar:{{HADOOP\_COMMON\_HOME}}/../../../CDH-6.2.1-1.cdh6.2.1.p0.1425774/lib/hadoop/client/wildfly-openssl.jar:{{HADOOP\_COMMON\_HOME}}/../../../CDH-6.2.1-1.cdh6.2.1.p0.142

5774/lib/hadoop/client/woodstox-core-5.0.3.jar:{{HADOOP\_COMMON\_HOME}}/../../../CDH-6.2.1-1.cdh6.2.1.p0.1425774/lib/hadoop/client/woodstox-core.jar:{{HADOOP\_COMMON\_HOME}}/../../../CDH-6.2.1-1.cdh6.2.1.p0.1425774/lib/hadoop/client/xz-1.6

.jar:{{HADOOP\_COMMON\_HOME}}/../../../CDH-6.2.1-1.cdh6.2.1.p0.1425774/lib/hadoop/client/xz.jar:{{HADOOP\_COMMON\_HOME}}/../../../CDH-6.2.1-1.cdh6.2.1.p0.1425774/lib/hbase/bin/../lib/client-facing-thirdparty/audience-annotations-0.5.0.jar:

{{HADOOP\_COMMON\_HOME}}/../../../CDH-6.2.1-1.cdh6.2.1.p0.1425774/lib/hbase/bin/../lib/client-facing-thirdparty/commons-logging-1.2.jar:{{HADOOP\_COMMON\_HOME}}/../../../CDH-6.2.1-1.cdh6.2.1.p0.1425774/lib/hbase/bin/../lib/client-facing-th

irdparty/findbugs-annotations-1.3.9-1.jar:{{HADOOP\_COMMON\_HOME}}/../../../CDH-6.2.1-1.cdh6.2.1.p0.1425774/lib/hbase/bin/../lib/client-facing-thirdparty/htrace-core4-4.2.0-incubating.jar:{{HADOOP\_COMMON\_HOME}}/../../../CDH-6.2.1-1.cdh6.

2.1.p0.1425774/lib/hbase/bin/../lib/shaded-clients/hbase-shaded-mapreduce-2.1.0-cdh6.2.1.jar:{{HADOOP\_COMMON\_HOME}}/../../../CDH-6.2.1-1.cdh6.2.1.p0.1425774/lib/hbase/hbase-spark.jar<CPS>{{PWD}}/\_\_spark\_conf\_\_/\_\_hadoop\_conf\_\_

MKL\_NUM\_THREADS -> 1

SPARK\_DIST\_CLASSPATH -> /opt/cloudera/parcels/CDH-6.2.1-1.cdh6.2.1.p0.1425774/lib/hadoop/client/accessors-smart-1.2.jar:/opt/cloudera/parcels/CDH-6.2.1-1.cdh6.2.1.p0.1425774/lib/hadoop/client/accessors-smart.jar:/opt/cloudera/parce

ls/CDH-6.2.1-1.cdh6.2.1.p0.1425774/lib/hadoop/client/asm-5.0.4.jar:/opt/cloudera/parcels/CDH-6.2.1-1.cdh6.2.1.p0.1425774/lib/hadoop/client/asm.jar:/opt/cloudera/parcels/CDH-6.2.1-1.cdh6.2.1.p0.1425774/lib/hadoop/client/avro.jar:/opt/cl

oudera/parcels/CDH-6.2.1-1.cdh6.2.1.p0.1425774/lib/hadoop/client/aws-java-sdk-bundle-1.11.271.jar:/opt/cloudera/parcels/CDH-6.2.1-1.cdh6.2.1.p0.1425774/lib/hadoop/client/aws-java-sdk-bundle.jar:/opt/cloudera/parcels/CDH-6.2.1-1.cdh6.2.

1.p0.1425774/lib/hadoop/client/azure-data-lake-store-sdk-2.2.9.jar:/opt/cloudera/parcels/CDH-6.2.1-1.cdh6.2.1.p0.1425774/lib/hadoop/client/azure-data-lake-store-sdk.jar:/opt/cloudera/parcels/CDH-6.2.1-1.cdh6.2.1.p0.1425774/lib/hadoop/c

lient/commons-beanutils-1.9.3.jar:/opt/cloudera/parcels/CDH-6.2.1-1.cdh6.2.1.p0.1425774/lib/hadoop/client/commons-beanutils.jar:/opt/cloudera/parcels/CDH-6.2.1-1.cdh6.2.1.p0.1425774/lib/hadoop/client/commons-cli-1.2.jar:/opt/cloudera/p

arcels/CDH-6.2.1-1.cdh6.2.1.p0.1425774/lib/hadoop/client/commons-cli.jar:/opt/cloudera/parcels/CDH-6.2.1-1.cdh6.2.1.p0.1425774/lib/hadoop/client/commons-codec-1.11.jar:/opt/cloudera/parcels/CDH-6.2.1-1.cdh6.2.1.p0.1425774/lib/hadoop/cl

ient/commons-codec.jar:/opt/cloudera/parcels/CDH-6.2.1-1.cdh6.2.1.p0.1425774/lib/hadoop/client/commons-collections-3.2.2.jar:/opt/cloudera/parcels/CDH-6.2.1-1.cdh6.2.1.p0.1425774/lib/hadoop/client/commons-collections.jar:/opt/cloudera/

parcels/CDH-6.2.1-1.cdh6.2.1.p0.1425774/lib/hadoop/client/commons-compress-1.18.jar:/opt/cloudera/parcels/CDH-6.2.1-1.cdh6.2.1.p0.1425774/lib/hadoop/client/commons-compress.jar:/opt/cloudera/parcels/CDH-6.2.1-1.cdh6.2.1.p0.1425774/lib/

hadoop/client/commons-configuration2-2.1.1.jar:/opt/cloudera/parcels/CDH-6.2.1-1.cdh6.2.1.p0.1425774/lib/hadoop/client/commons-configuration2.jar:/opt/cloudera/parcels/CDH-6.2.1-1.cdh6.2.1.p0.1425774/lib/hadoop/client/commons-io-2.6.ja

r:/opt/cloudera/parcels/CDH-6.2.1-1.cdh6.2.1.p0.1425774/lib/hadoop/client/commons-io.jar:/opt/cloudera/parcels/CDH-6.2.1-1.cdh6.2.1.p0.1425774/lib/hadoop/client/commons-lang-2.6.jar:/opt/cloudera/parcels/CDH-6.2.1-1.cdh6.2.1.p0.1425774

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arcels/CDH-6.2.1-1.cdh6.2.1.p0.1425774/lib/hadoop/client/commons-logging-1.1.3.jar:/opt/cloudera/parcels/CDH-6.2.1-1.cdh6.2.1.p0.1425774/lib/hadoop/client/commons-logging.jar:/opt/cloudera/parcels/CDH-6.2.1-1.cdh6.2.1.p0.1425774/lib/ha

doop/client/commons-math3-3.1.1.jar:/opt/cloudera/parcels/CDH-6.2.1-1.cdh6.2.1.p0.1425774/lib/hadoop/client/commons-math3.jar:/opt/cloudera/parcels/CDH-6.2.1-1.cdh6.2.1.p0.1425774/lib/hadoop/client/commons-net-3.1.jar:/opt/cloudera/par

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lient/curator-client.jar:/opt/cloudera/parcels/CDH-6.2.1-1.cdh6.2.1.p0.1425774/lib/hadoop/client/curator-framework-2.12.0.jar:/opt/cloudera/parcels/CDH-6.2.1-1.cdh6.2.1.p0.1425774/lib/hadoop/client/curator-framework.jar:/opt/cloudera/p

arcels/CDH-6.2.1-1.cdh6.2.1.p0.1425774/lib/hadoop/client/curator-recipes-2.12.0.jar:/opt/cloudera/parcels/CDH-6.2.1-1.cdh6.2.1.p0.1425774/lib/hadoop/client/curator-recipes.jar:/opt/cloudera/parcels/CDH-6.2.1-1.cdh6.2.1.p0.1425774/lib/h

adoop/client/gson-2.2.4.jar:/opt/cloudera/parcels/CDH-6.2.1-1.cdh6.2.1.p0.1425774/lib/hadoop/client/gson.jar:/opt/cloudera/parcels/CDH-6.2.1-1.cdh6.2.1.p0.1425774/lib/hadoop/client/guava-11.0.2.jar:/opt/cloudera/parcels/CDH-6.2.1-1.cdh

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nnotations.jar:/opt/cloudera/parcels/CDH-6.2.1-1.cdh6.2.1.p0.1425774/lib/hadoop/client/hadoop-auth-3.0.0-cdh6.2.1.jar:/opt/cloudera/parcels/CDH-6.2.1-1.cdh6.2.1.p0.1425774/lib/hadoop/client/hadoop-auth.jar:/opt/cloudera/parcels/CDH-6.2

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oop-azure-3.0.0-cdh6.2.1.jar:/opt/cloudera/parcels/CDH-6.2.1-1.cdh6.2.1.p0.1425774/lib/hadoop/client/hadoop-azure-datalake-3.0.0-cdh6.2.1.jar:/opt/cloudera/parcels/CDH-6.2.1-1.cdh6.2.1.p0.1425774/lib/hadoop/client/hadoop-azure-datalake

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ore.jar:/opt/cloudera/parcels/CDH-6.2.1-1.cdh6.2.1.p0.1425774/lib/hadoop/client/hadoop-mapreduce-client-jobclient-3.0.0-cdh6.2.1.jar:/opt/cloudera/parcels/CDH-6.2.1-1.cdh6.2.1.p0.1425774/lib/hadoop/client/hadoop-mapreduce-client-jobcli

ent.jar:/opt/cloudera/parcels/CDH-6.2.1-1.cdh6.2.1.p0.1425774/lib/hadoop/client/hadoop-yarn-api-3.0.0-cdh6.2.1.jar:/opt/cloudera/parcels/CDH-6.2.1-1.cdh6.2.1.p0.1425774/lib/hadoop/client/hadoop-yarn-api.jar:/opt/cloudera/parcels/CDH-6.

2.1-1.cdh6.2.1.p0.1425774/lib/hadoop/client/hadoop-yarn-client-3.0.0-cdh6.2.1.jar:/opt/cloudera/parcels/CDH-6.2.1-1.cdh6.2.1.p0.1425774/lib/hadoop/client/hadoop-yarn-client.jar:/opt/cloudera/parcels/CDH-6.2.1-1.cdh6.2.1.p0.1425774/lib/

hadoop/client/hadoop-yarn-common-3.0.0-cdh6.2.1.jar:/opt/cloudera/parcels/CDH-6.2.1-1.cdh6.2.1.p0.1425774/lib/hadoop/client/hadoop-yarn-common.jar:/opt/cloudera/parcels/CDH-6.2.1-1.cdh6.2.1.p0.1425774/lib/hadoop/client/htrace-core4-4.1

.0-incubating.jar:/opt/cloudera/parcels/CDH-6.2.1-1.cdh6.2.1.p0.1425774/lib/hadoop/client/htrace-core4.jar:/opt/cloudera/parcels/CDH-6.2.1-1.cdh6.2.1.p0.1425774/lib/hadoop/client/httpclient-4.5.3.jar:/opt/cloudera/parcels/CDH-6.2.1-1.c

dh6.2.1.p0.1425774/lib/hadoop/client/httpclient.jar:/opt/cloudera/parcels/CDH-6.2.1-1.cdh6.2.1.p0.1425774/lib/hadoop/client/httpcore-4.4.6.jar:/opt/cloudera/parcels/CDH-6.2.1-1.cdh6.2.1.p0.1425774/lib/hadoop/client/httpcore.jar:/opt/cl

oudera/parcels/CDH-6.2.1-1.cdh6.2.1.p0.1425774/lib/hadoop/client/jaxb-api-2.2.11.jar:/opt/cloudera/parcels/CDH-6.2.1-1.cdh6.2.1.p0.1425774/lib/hadoop/client/jaxb-api.jar:/opt/cloudera/parcels/CDH-6.2.1-1.cdh6.2.1.p0.1425774/lib/hadoop/

client/jcip-annotations-1.0-1.jar:/opt/cloudera/parcels/CDH-6.2.1-1.cdh6.2.1.p0.1425774/lib/hadoop/client/jcip-annotations.jar:/opt/cloudera/parcels/CDH-6.2.1-1.cdh6.2.1.p0.1425774/lib/hadoop/client/json-smart-2.3.jar:/opt/cloudera/par

cels/CDH-6.2.1-1.cdh6.2.1.p0.1425774/lib/hadoop/client/json-smart.jar:/opt/cloudera/parcels/CDH-6.2.1-1.cdh6.2.1.p0.1425774/lib/hadoop/client/jsp-api-2.1.jar:/opt/cloudera/parcels/CDH-6.2.1-1.cdh6.2.1.p0.1425774/lib/hadoop/client/jsp-a

pi.jar:/opt/cloudera/parcels/CDH-6.2.1-1.cdh6.2.1.p0.1425774/lib/hadoop/client/jsr305-3.0.0.jar:/opt/cloudera/parcels/CDH-6.2.1-1.cdh6.2.1.p0.1425774/lib/hadoop/client/jsr305.jar:/opt/cloudera/parcels/CDH-6.2.1-1.cdh6.2.1.p0.1425774/li

b/hadoop/client/jsr311-api-1.1.1.jar:/opt/cloudera/parcels/CDH-6.2.1-1.cdh6.2.1.p0.1425774/lib/hadoop/client/jsr311-api.jar:/opt/cloudera/parcels/CDH-6.2.1-1.cdh6.2.1.p0.1425774/lib/hadoop/client/kerb-admin-1.0.0.jar:/opt/cloudera/parc

els/CDH-6.2.1-1.cdh6.2.1.p0.1425774/lib/hadoop/client/kerb-admin.jar:/opt/cloudera/parcels/CDH-6.2.1-1.cdh6.2.1.p0.1425774/lib/hadoop/client/kerb-client-1.0.0.jar:/opt/cloudera/parcels/CDH-6.2.1-1.cdh6.2.1.p0.1425774/lib/hadoop/client/

kerb-client.jar:/opt/cloudera/parcels/CDH-6.2.1-1.cdh6.2.1.p0.1425774/lib/hadoop/client/kerb-common-1.0.0.jar:/opt/cloudera/parcels/CDH-6.2.1-1.cdh6.2.1.p0.1425774/lib/hadoop/client/kerb-common.jar:/opt/cloudera/parcels/CDH-6.2.1-1.cdh

6.2.1.p0.1425774/lib/hadoop/client/kerb-core-1.0.0.jar:/opt/cloudera/parcels/CDH-6.2.1-1.cdh6.2.1.p0.1425774/lib/hadoop/client/kerb-core.jar:/opt/cloudera/parcels/CDH-6.2.1-1.cdh6.2.1.p0.1425774/lib/hadoop/client/kerb-crypto-1.0.0.jar:

/opt/cloudera/parcels/CDH-6.2.1-1.cdh6.2.1.p0.1425774/lib/hadoop/client/kerb-crypto.jar:/opt/cloudera/parcels/CDH-6.2.1-1.cdh6.2.1.p0.1425774/lib/hadoop/client/kerb-identity-1.0.0.jar:/opt/cloudera/parcels/CDH-6.2.1-1.cdh6.2.1.p0.14257

74/lib/hadoop/client/kerb-identity.jar:/opt/cloudera/parcels/CDH-6.2.1-1.cdh6.2.1.p0.1425774/lib/hadoop/client/kerb-server-1.0.0.jar:/opt/cloudera/parcels/CDH-6.2.1-1.cdh6.2.1.p0.1425774/lib/hadoop/client/kerb-server.jar:/opt/cloudera/

parcels/CDH-6.2.1-1.cdh6.2.1.p0.1425774/lib/hadoop/client/kerb-simplekdc-1.0.0.jar:/opt/cloudera/parcels/CDH-6.2.1-1.cdh6.2.1.p0.1425774/lib/hadoop/client/kerb-simplekdc.jar:/opt/cloudera/parcels/CDH-6.2.1-1.cdh6.2.1.p0.1425774/lib/had

oop/client/kerb-util-1.0.0.jar:/opt/cloudera/parcels/CDH-6.2.1-1.cdh6.2.1.p0.1425774/lib/hadoop/client/kerb-util.jar:/opt/cloudera/parcels/CDH-6.2.1-1.cdh6.2.1.p0.1425774/lib/hadoop/client/kerby-asn1-1.0.0.jar:/opt/cloudera/parcels/CDH

-6.2.1-1.cdh6.2.1.p0.1425774/lib/hadoop/client/kerby-asn1.jar:/opt/cloudera/parcels/CDH-6.2.1-1.cdh6.2.1.p0.1425774/lib/hadoop/client/kerby-config-1.0.0.jar:/opt/cloudera/parcels/CDH-6.2.1-1.cdh6.2.1.p0.1425774/lib/hadoop/client/kerby-

config.jar:/opt/cloudera/parcels/CDH-6.2.1-1.cdh6.2.1.p0.1425774/lib/hadoop/client/kerby-pkix-1.0.0.jar:/opt/cloudera/parcels/CDH-6.2.1-1.cdh6.2.1.p0.1425774/lib/hadoop/client/kerby-pkix.jar:/opt/cloudera/parcels/CDH-6.2.1-1.cdh6.2.1.p

0.1425774/lib/hadoop/client/kerby-util-1.0.0.jar:/opt/cloudera/parcels/CDH-6.2.1-1.cdh6.2.1.p0.1425774/lib/hadoop/client/kerby-util.jar:/opt/cloudera/parcels/CDH-6.2.1-1.cdh6.2.1.p0.1425774/lib/hadoop/client/kerby-xdr-1.0.0.jar:/opt/cl

oudera/parcels/CDH-6.2.1-1.cdh6.2.1.p0.1425774/lib/hadoop/client/kerby-xdr.jar:/opt/cloudera/parcels/CDH-6.2.1-1.cdh6.2.1.p0.1425774/lib/hadoop/client/log4j-1.2.17.jar:/opt/cloudera/parcels/CDH-6.2.1-1.cdh6.2.1.p0.1425774/lib/hadoop/cl

ient/log4j.jar:/opt/cloudera/parcels/CDH-6.2.1-1.cdh6.2.1.p0.1425774/lib/hadoop/client/nimbus-jose-jwt-4.41.1.jar:/opt/cloudera/parcels/CDH-6.2.1-1.cdh6.2.1.p0.1425774/lib/hadoop/client/nimbus-jose-jwt.jar:/opt/cloudera/parcels/CDH-6.2

.1-1.cdh6.2.1.p0.1425774/lib/hadoop/client/okhttp-2.7.5.jar:/opt/cloudera/parcels/CDH-6.2.1-1.cdh6.2.1.p0.1425774/lib/hadoop/client/okhttp.jar:/opt/cloudera/parcels/CDH-6.2.1-1.cdh6.2.1.p0.1425774/lib/hadoop/client/okio-1.6.0.jar:/opt/

cloudera/parcels/CDH-6.2.1-1.cdh6.2.1.p0.1425774/lib/hadoop/client/okio.jar:/opt/cloudera/parcels/CDH-6.2.1-1.cdh6.2.1.p0.1425774/lib/hadoop/client/paranamer-2.8.jar:/opt/cloudera/parcels/CDH-6.2.1-1.cdh6.2.1.p0.1425774/lib/hadoop/clie

nt/paranamer.jar:/opt/cloudera/parcels/CDH-6.2.1-1.cdh6.2.1.p0.1425774/lib/hadoop/client/protobuf-java-2.5.0.jar:/opt/cloudera/parcels/CDH-6.2.1-1.cdh6.2.1.p0.1425774/lib/hadoop/client/protobuf-java.jar:/opt/cloudera/parcels/CDH-6.2.1-

1.cdh6.2.1.p0.1425774/lib/hadoop/client/re2j-1.1.jar:/opt/cloudera/parcels/CDH-6.2.1-1.cdh6.2.1.p0.1425774/lib/hadoop/client/re2j.jar:/opt/cloudera/parcels/CDH-6.2.1-1.cdh6.2.1.p0.1425774/lib/hadoop/client/snappy-java-1.1.4.jar:/opt/cl

oudera/parcels/CDH-6.2.1-1.cdh6.2.1.p0.1425774/lib/hadoop/client/snappy-java.jar:/opt/cloudera/parcels/CDH-6.2.1-1.cdh6.2.1.p0.1425774/lib/hadoop/client/stax2-api-3.1.4.jar:/opt/cloudera/parcels/CDH-6.2.1-1.cdh6.2.1.p0.1425774/lib/hado

op/client/stax2-api.jar:/opt/cloudera/parcels/CDH-6.2.1-1.cdh6.2.1.p0.1425774/lib/hadoop/client/wildfly-openssl-1.0.4.Final.jar:/opt/cloudera/parcels/CDH-6.2.1-1.cdh6.2.1.p0.1425774/lib/hadoop/client/wildfly-openssl.jar:/opt/cloudera/p

arcels/CDH-6.2.1-1.cdh6.2.1.p0.1425774/lib/hadoop/client/woodstox-core-5.0.3.jar:/opt/cloudera/parcels/CDH-6.2.1-1.cdh6.2.1.p0.1425774/lib/hadoop/client/woodstox-core.jar:/opt/cloudera/parcels/CDH-6.2.1-1.cdh6.2.1.p0.1425774/lib/hadoop

/client/xz-1.6.jar:/opt/cloudera/parcels/CDH-6.2.1-1.cdh6.2.1.p0.1425774/lib/hadoop/client/xz.jar:/opt/cloudera/parcels/CDH-6.2.1-1.cdh6.2.1.p0.1425774/lib/hbase/bin/../lib/client-facing-thirdparty/audience-annotations-0.5.0.jar:/opt/c

loudera/parcels/CDH-6.2.1-1.cdh6.2.1.p0.1425774/lib/hbase/bin/../lib/client-facing-thirdparty/commons-logging-1.2.jar:/opt/cloudera/parcels/CDH-6.2.1-1.cdh6.2.1.p0.1425774/lib/hbase/bin/../lib/client-facing-thirdparty/findbugs-annotati

ons-1.3.9-1.jar:/opt/cloudera/parcels/CDH-6.2.1-1.cdh6.2.1.p0.1425774/lib/hbase/bin/../lib/client-facing-thirdparty/htrace-core4-4.2.0-incubating.jar:/opt/cloudera/parcels/CDH-6.2.1-1.cdh6.2.1.p0.1425774/lib/hbase/bin/../lib/shaded-cli

ents/hbase-shaded-mapreduce-2.1.0-cdh6.2.1.jar:/opt/cloudera/parcels/CDH-6.2.1-1.cdh6.2.1.p0.1425774/lib/hbase/hbase-spark.jar

SPARK\_YARN\_STAGING\_DIR -> hdfs://nameservice1/user/raghavendr48edu/.sparkStaging/application\_1684866872278\_1287

SPARK\_USER -> raghavendr48edu

OPENBLAS\_NUM\_THREADS -> 1

command:

LD\_LIBRARY\_PATH=\"{{HADOOP\_COMMON\_HOME}}/../../../CDH-6.2.1-1.cdh6.2.1.p0.1425774/lib/hadoop/lib/native:$LD\_LIBRARY\_PATH\" \

{{JAVA\_HOME}}/bin/java \

-server \

-Xmx1024m \

-Djava.io.tmpdir={{PWD}}/tmp \

'-Dspark.driver.port=34843' \

'-Dspark.authenticate=false' \

'-Dspark.network.crypto.enabled=false' \

'-Dspark.shuffle.service.port=7337' \

-Dspark.yarn.app.container.log.dir=<LOG\_DIR> \

-XX:OnOutOfMemoryError='kill %p' \

org.apache.spark.executor.CoarseGrainedExecutorBackend \

--driver-url \

spark://CoarseGrainedScheduler@ip-10-1-1-204.ap-south-1.compute.internal:34843 \

--executor-id \

<executorId> \

--hostname \

<hostname> \

--cores \

1 \

--app-id \

application\_1684866872278\_1287 \

--user-class-path \

[file:$PWD/\_\_app\_\_.jar](file:///\\$PWD\__app__.jar) \

1><LOG\_DIR>/stdout \

2><LOG\_DIR>/stderr

resources:

\_\_spark\_conf\_\_ -> resource { scheme: "hdfs" host: "nameservice1" port: -1 file: "/user/raghavendr48edu/.sparkStaging/application\_1684866872278\_1287/\_\_spark\_conf\_\_.zip" } size: 169453 timestamp: 1685019977258 type: ARCHIVE visibilit

y: PRIVATE

===============================================================================

23/05/25 13:06:23 INFO util.Utils: Using initial executors = 0, max of spark.dynamicAllocation.initialExecutors, spark.dynamicAllocation.minExecutors and spark.executor.instances

23/05/25 13:06:23 INFO conf.Configuration: resource-types.xml not found

23/05/25 13:06:23 INFO resource.ResourceUtils: Unable to find 'resource-types.xml'.

23/05/25 13:06:24 INFO yarn.ApplicationMaster: Started progress reporter thread with (heartbeat : 3000, initial allocation : 200) intervals

23/05/25 13:06:26 INFO yarn.YarnAllocator: Driver requested a total number of 1 executor(s).

23/05/25 13:06:26 INFO yarn.YarnAllocator: Will request 1 executor container(s), each with 1 core(s) and 1408 MB memory (including 384 MB of overhead)

23/05/25 13:06:26 INFO yarn.YarnAllocator: Submitted container request for host ip-10-1-2-40.ap-south-1.compute.internal,ip-10-1-2-175.ap-south-1.compute.internal,ip-10-1-2-103.ap-south-1.compute.internal.

23/05/25 13:06:28 INFO yarn.YarnAllocator: Launching container container\_1684866872278\_1287\_01\_000002 on host ip-10-1-2-40.ap-south-1.compute.internal for executor with ID 1

23/05/25 13:06:28 INFO yarn.YarnAllocator: Received 1 containers from YARN, launching executors on 1 of them.

23/05/25 13:06:52 INFO yarn.YarnAllocator: Driver requested a total number of 0 executor(s).

23/05/25 13:06:52 INFO yarn.ApplicationMaster$AMEndpoint: Driver terminated or disconnected! Shutting down. ip-10-1-1-204.ap-south-1.compute.internal:34843

23/05/25 13:06:52 INFO yarn.ApplicationMaster$AMEndpoint: Driver terminated or disconnected! Shutting down. ip-10-1-1-204.ap-south-1.compute.internal:34843

23/05/25 13:06:52 INFO yarn.ApplicationMaster: Final app status: SUCCEEDED, exitCode: 0

23/05/25 13:06:52 INFO yarn.ApplicationMaster: Unregistering ApplicationMaster with SUCCEEDED

23/05/25 13:06:52 INFO impl.AMRMClientImpl: Waiting for application to be successfully unregistered.

23/05/25 13:06:53 INFO yarn.ApplicationMaster: Deleting staging directory hdfs://nameservice1/user/raghavendr48edu/.sparkStaging/application\_1684866872278\_1287

23/05/25 13:06:53 INFO util.ShutdownHookManager: Shutdown hook called

End of LogType:stderr

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End of LogType:stdout

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End of LogType:prelaunch.err

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Container: container\_1684866872278\_1287\_01\_000002 on ip-10-1-2-40.ap-south-1.compute.internal\_8041

LogAggregationType: AGGREGATED

==================================================================================================

LogType:prelaunch.out

LogLastModifiedTime:Thu May 25 13:06:53 +0000 2023

LogLength:70

LogContents:

Setting up env variables

Setting up job resources

Launching container

End of LogType:prelaunch.out

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Container: container\_1684866872278\_1287\_01\_000002 on ip-10-1-2-40.ap-south-1.compute.internal\_8041

LogAggregationType: AGGREGATED

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LogType:stderr

LogLastModifiedTime:Thu May 25 13:06:53 +0000 2023

LogLength:14898

LogContents:

23/05/25 13:06:31 INFO executor.CoarseGrainedExecutorBackend: Started daemon with process name: 20157@ip-10-1-2-40.ap-south-1.compute.internal

23/05/25 13:06:31 INFO util.SignalUtils: Registered signal handler for TERM

23/05/25 13:06:31 INFO util.SignalUtils: Registered signal handler for HUP

23/05/25 13:06:31 INFO util.SignalUtils: Registered signal handler for INT

23/05/25 13:06:34 INFO spark.SecurityManager: Changing view acls to: yarn,raghavendr48edu

23/05/25 13:06:34 INFO spark.SecurityManager: Changing modify acls to: yarn,raghavendr48edu

23/05/25 13:06:34 INFO spark.SecurityManager: Changing view acls groups to:

23/05/25 13:06:34 INFO spark.SecurityManager: Changing modify acls groups to:

23/05/25 13:06:34 INFO spark.SecurityManager: SecurityManager: authentication disabled; ui acls disabled; users with view permissions: Set(yarn, raghavendr48edu); groups with view permissions: Set(); users with modify permissions: Se

t(yarn, raghavendr48edu); groups with modify permissions: Set()

23/05/25 13:06:35 INFO client.TransportClientFactory: Successfully created connection to ip-10-1-1-204.ap-south-1.compute.internal/10.1.1.204:34843 after 366 ms (0 ms spent in bootstraps)

23/05/25 13:06:36 INFO spark.SecurityManager: Changing view acls to: yarn,raghavendr48edu

23/05/25 13:06:36 INFO spark.SecurityManager: Changing modify acls to: yarn,raghavendr48edu

23/05/25 13:06:36 INFO spark.SecurityManager: Changing view acls groups to:

23/05/25 13:06:36 INFO spark.SecurityManager: Changing modify acls groups to:

23/05/25 13:06:36 INFO spark.SecurityManager: SecurityManager: authentication disabled; ui acls disabled; users with view permissions: Set(yarn, raghavendr48edu); groups with view permissions: Set(); users with modify permissions: Se

t(yarn, raghavendr48edu); groups with modify permissions: Set()

23/05/25 13:06:36 INFO client.TransportClientFactory: Successfully created connection to ip-10-1-1-204.ap-south-1.compute.internal/10.1.1.204:34843 after 40 ms (0 ms spent in bootstraps)

23/05/25 13:06:36 INFO storage.DiskBlockManager: Created local directory at /mnt/data/yarn/nm/usercache/raghavendr48edu/appcache/application\_1684866872278\_1287/blockmgr-c7497527-690a-445b-9ce9-1e4c41ff4676

23/05/25 13:06:36 INFO memory.MemoryStore: MemoryStore started with capacity 366.3 MB

23/05/25 13:06:38 INFO executor.CoarseGrainedExecutorBackend: Connecting to driver: spark://CoarseGrainedScheduler@ip-10-1-1-204.ap-south-1.compute.internal:34843

23/05/25 13:06:38 INFO executor.CoarseGrainedExecutorBackend: Successfully registered with driver

23/05/25 13:06:38 INFO executor.Executor: Starting executor ID 1 on host ip-10-1-2-40.ap-south-1.compute.internal

23/05/25 13:06:38 INFO util.Utils: Successfully started service 'org.apache.spark.network.netty.NettyBlockTransferService' on port 41263.

23/05/25 13:06:38 INFO netty.NettyBlockTransferService: Server created on ip-10-1-2-40.ap-south-1.compute.internal:41263

23/05/25 13:06:38 INFO storage.BlockManager: Using org.apache.spark.storage.RandomBlockReplicationPolicy for block replication policy

23/05/25 13:06:38 INFO storage.BlockManagerMaster: Registering BlockManager BlockManagerId(1, ip-10-1-2-40.ap-south-1.compute.internal, 41263, None)

23/05/25 13:06:38 INFO storage.BlockManagerMaster: Registered BlockManager BlockManagerId(1, ip-10-1-2-40.ap-south-1.compute.internal, 41263, None)

23/05/25 13:06:38 INFO storage.BlockManager: external shuffle service port = 7337

23/05/25 13:06:38 INFO storage.BlockManager: Registering executor with local external shuffle service.

23/05/25 13:06:38 INFO client.TransportClientFactory: Successfully created connection to ip-10-1-2-40.ap-south-1.compute.internal/10.1.2.40:7337 after 44 ms (0 ms spent in bootstraps)

23/05/25 13:06:38 INFO storage.BlockManager: Initialized BlockManager: BlockManagerId(1, ip-10-1-2-40.ap-south-1.compute.internal, 41263, None)

23/05/25 13:06:38 INFO executor.CoarseGrainedExecutorBackend: Got assigned task 0

23/05/25 13:06:38 INFO executor.Executor: Running task 0.0 in stage 0.0 (TID 0)

23/05/25 13:06:38 INFO executor.Executor: Fetching spark://ip-10-1-1-204.ap-south-1.compute.internal:34843/jars/sparkme-project\_2.11-1.0.jar with timestamp 1685019975886

23/05/25 13:06:38 INFO client.TransportClientFactory: Successfully created connection to ip-10-1-1-204.ap-south-1.compute.internal/10.1.1.204:34843 after 11 ms (0 ms spent in bootstraps)

23/05/25 13:06:38 INFO util.Utils: Fetching spark://ip-10-1-1-204.ap-south-1.compute.internal:34843/jars/sparkme-project\_2.11-1.0.jar to /mnt/data/yarn/nm/usercache/raghavendr48edu/appcache/application\_1684866872278\_1287/spark-cec639e8

-f970-406d-8627-b2651deaeb04/fetchFileTemp7968286197553735895.tmp

23/05/25 13:06:38 INFO util.Utils: Copying /mnt/data/yarn/nm/usercache/raghavendr48edu/appcache/application\_1684866872278\_1287/spark-cec639e8-f970-406d-8627-b2651deaeb04/2257928111685019975886\_cache to /mnt/data/yarn/nm/usercache/ragha

vendr48edu/appcache/application\_1684866872278\_1287/container\_1684866872278\_1287\_01\_000002/./sparkme-project\_2.11-1.0.jar

23/05/25 13:06:38 INFO executor.Executor: Adding [file:/mnt/data/yarn/nm/usercache/raghavendr48edu/appcache/application\_1684866872278\_1287/container\_1684866872278\_1287\_01\_000002/./sparkme-project\_2.11-1.0.jar](file:///\\mnt\data\yarn\nm\usercache\raghavendr48edu\appcache\application_1684866872278_1287\container_1684866872278_1287_01_000002\sparkme-project_2.11-1.0.jar) to class loader

23/05/25 13:06:39 INFO broadcast.TorrentBroadcast: Started reading broadcast variable 1

23/05/25 13:06:39 INFO client.TransportClientFactory: Successfully created connection to ip-10-1-1-204.ap-south-1.compute.internal/10.1.1.204:42947 after 3 ms (0 ms spent in bootstraps)

23/05/25 13:06:39 INFO memory.MemoryStore: Block broadcast\_1\_piece0 stored as bytes in memory (estimated size 5.6 KB, free 366.3 MB)

23/05/25 13:06:39 INFO broadcast.TorrentBroadcast: Reading broadcast variable 1 took 273 ms

23/05/25 13:06:40 INFO memory.MemoryStore: Block broadcast\_1 stored as values in memory (estimated size 10.6 KB, free 366.3 MB)

23/05/25 13:06:43 INFO codegen.CodeGenerator: Code generated in 1023.979536 ms

23/05/25 13:06:47 INFO codegen.CodeGenerator: Code generated in 51.370738 ms

23/05/25 13:06:47 INFO datasources.FileScanRDD: Reading File path: hdfs://nameservice1/user/raghavendr48edu/input\_sort\_py.txt, range: 0-85, partition values: [empty row]

23/05/25 13:06:48 INFO codegen.CodeGenerator: Code generated in 48.007236 ms

23/05/25 13:06:48 INFO broadcast.TorrentBroadcast: Started reading broadcast variable 0

23/05/25 13:06:48 INFO memory.MemoryStore: Block broadcast\_0\_piece0 stored as bytes in memory (estimated size 32.2 KB, free 366.3 MB)

23/05/25 13:06:48 INFO broadcast.TorrentBroadcast: Reading broadcast variable 0 took 76 ms

23/05/25 13:06:48 INFO memory.MemoryStore: Block broadcast\_0 stored as values in memory (estimated size 443.0 KB, free 365.8 MB)

23/05/25 13:06:51 INFO memory.MemoryStore: Block rdd\_4\_0 stored as values in memory (estimated size 32.0 B, free 365.8 MB)

23/05/25 13:06:51 INFO executor.Executor: Finished task 0.0 in stage 0.0 (TID 0). 1438 bytes result sent to driver

23/05/25 13:06:51 INFO executor.CoarseGrainedExecutorBackend: Got assigned task 1

23/05/25 13:06:51 INFO executor.Executor: Running task 0.0 in stage 1.0 (TID 1)

23/05/25 13:06:51 INFO broadcast.TorrentBroadcast: Started reading broadcast variable 2

23/05/25 13:06:51 INFO memory.MemoryStore: Block broadcast\_2\_piece0 stored as bytes in memory (estimated size 5.6 KB, free 365.8 MB)

23/05/25 13:06:51 INFO broadcast.TorrentBroadcast: Reading broadcast variable 2 took 71 ms

23/05/25 13:06:51 INFO memory.MemoryStore: Block broadcast\_2 stored as values in memory (estimated size 10.6 KB, free 365.8 MB)

23/05/25 13:06:51 INFO storage.BlockManager: Found block rdd\_4\_0 locally

23/05/25 13:06:51 INFO executor.Executor: Finished task 0.0 in stage 1.0 (TID 1). 1352 bytes result sent to driver

23/05/25 13:06:51 INFO executor.CoarseGrainedExecutorBackend: Got assigned task 2

23/05/25 13:06:51 INFO executor.Executor: Running task 0.0 in stage 2.0 (TID 2)

23/05/25 13:06:51 INFO broadcast.TorrentBroadcast: Started reading broadcast variable 3

23/05/25 13:06:52 INFO memory.MemoryStore: Block broadcast\_3\_piece0 stored as bytes in memory (estimated size 5.6 KB, free 365.8 MB)

23/05/25 13:06:52 INFO broadcast.TorrentBroadcast: Reading broadcast variable 3 took 60 ms

23/05/25 13:06:52 INFO memory.MemoryStore: Block broadcast\_3 stored as values in memory (estimated size 10.6 KB, free 365.8 MB)

23/05/25 13:06:52 INFO storage.BlockManager: Found block rdd\_4\_0 locally

23/05/25 13:06:52 INFO executor.Executor: Finished task 0.0 in stage 2.0 (TID 2). 1352 bytes result sent to driver

23/05/25 13:06:52 INFO executor.CoarseGrainedExecutorBackend: Got assigned task 3

23/05/25 13:06:52 INFO executor.Executor: Running task 0.0 in stage 3.0 (TID 3)

23/05/25 13:06:52 INFO broadcast.TorrentBroadcast: Started reading broadcast variable 4

23/05/25 13:06:52 INFO memory.MemoryStore: Block broadcast\_4\_piece0 stored as bytes in memory (estimated size 5.6 KB, free 365.8 MB)

23/05/25 13:06:52 INFO broadcast.TorrentBroadcast: Reading broadcast variable 4 took 37 ms

23/05/25 13:06:52 INFO memory.MemoryStore: Block broadcast\_4 stored as values in memory (estimated size 10.6 KB, free 365.8 MB)

23/05/25 13:06:52 INFO storage.BlockManager: Found block rdd\_4\_0 locally

23/05/25 13:06:52 INFO executor.Executor: Finished task 0.0 in stage 3.0 (TID 3). 1352 bytes result sent to driver

23/05/25 13:06:52 INFO executor.CoarseGrainedExecutorBackend: Got assigned task 4

23/05/25 13:06:52 INFO executor.Executor: Running task 0.0 in stage 4.0 (TID 4)

23/05/25 13:06:52 INFO broadcast.TorrentBroadcast: Started reading broadcast variable 5

23/05/25 13:06:52 INFO memory.MemoryStore: Block broadcast\_5\_piece0 stored as bytes in memory (estimated size 5.6 KB, free 365.8 MB)

23/05/25 13:06:52 INFO broadcast.TorrentBroadcast: Reading broadcast variable 5 took 37 ms

23/05/25 13:06:52 INFO memory.MemoryStore: Block broadcast\_5 stored as values in memory (estimated size 10.6 KB, free 365.8 MB)

23/05/25 13:06:52 INFO storage.BlockManager: Found block rdd\_4\_0 locally

23/05/25 13:06:52 INFO executor.Executor: Finished task 0.0 in stage 4.0 (TID 4). 1352 bytes result sent to driver

23/05/25 13:06:52 INFO executor.CoarseGrainedExecutorBackend: Got assigned task 5

23/05/25 13:06:52 INFO executor.Executor: Running task 0.0 in stage 5.0 (TID 5)

23/05/25 13:06:52 INFO broadcast.TorrentBroadcast: Started reading broadcast variable 6

23/05/25 13:06:52 INFO memory.MemoryStore: Block broadcast\_6\_piece0 stored as bytes in memory (estimated size 5.6 KB, free 365.8 MB)

23/05/25 13:06:52 INFO broadcast.TorrentBroadcast: Reading broadcast variable 6 took 34 ms

23/05/25 13:06:52 INFO memory.MemoryStore: Block broadcast\_6 stored as values in memory (estimated size 10.6 KB, free 365.7 MB)

23/05/25 13:06:52 INFO storage.BlockManager: Found block rdd\_4\_0 locally

23/05/25 13:06:52 INFO executor.Executor: Finished task 0.0 in stage 5.0 (TID 5). 1352 bytes result sent to driver

23/05/25 13:06:52 INFO executor.CoarseGrainedExecutorBackend: Got assigned task 6

23/05/25 13:06:52 INFO executor.Executor: Running task 0.0 in stage 6.0 (TID 6)

23/05/25 13:06:52 INFO broadcast.TorrentBroadcast: Started reading broadcast variable 7

23/05/25 13:06:52 INFO memory.MemoryStore: Block broadcast\_7\_piece0 stored as bytes in memory (estimated size 5.6 KB, free 365.7 MB)

23/05/25 13:06:52 INFO broadcast.TorrentBroadcast: Reading broadcast variable 7 took 28 ms

23/05/25 13:06:52 INFO memory.MemoryStore: Block broadcast\_7 stored as values in memory (estimated size 10.6 KB, free 365.7 MB)

23/05/25 13:06:52 INFO storage.BlockManager: Found block rdd\_4\_0 locally

23/05/25 13:06:52 INFO executor.Executor: Finished task 0.0 in stage 6.0 (TID 6). 1352 bytes result sent to driver

23/05/25 13:06:52 INFO executor.CoarseGrainedExecutorBackend: Got assigned task 7

23/05/25 13:06:52 INFO executor.Executor: Running task 0.0 in stage 7.0 (TID 7)

23/05/25 13:06:52 INFO broadcast.TorrentBroadcast: Started reading broadcast variable 8

23/05/25 13:06:52 INFO memory.MemoryStore: Block broadcast\_8\_piece0 stored as bytes in memory (estimated size 5.6 KB, free 365.7 MB)

23/05/25 13:06:52 INFO broadcast.TorrentBroadcast: Reading broadcast variable 8 took 28 ms

23/05/25 13:06:52 INFO memory.MemoryStore: Block broadcast\_8 stored as values in memory (estimated size 10.6 KB, free 365.7 MB)

23/05/25 13:06:52 INFO storage.BlockManager: Found block rdd\_4\_0 locally

23/05/25 13:06:52 INFO executor.Executor: Finished task 0.0 in stage 7.0 (TID 7). 1352 bytes result sent to driver

23/05/25 13:06:52 INFO executor.CoarseGrainedExecutorBackend: Got assigned task 8

23/05/25 13:06:52 INFO executor.Executor: Running task 0.0 in stage 8.0 (TID 8)

23/05/25 13:06:52 INFO broadcast.TorrentBroadcast: Started reading broadcast variable 9

23/05/25 13:06:52 INFO memory.MemoryStore: Block broadcast\_9\_piece0 stored as bytes in memory (estimated size 5.6 KB, free 365.7 MB)

23/05/25 13:06:52 INFO broadcast.TorrentBroadcast: Reading broadcast variable 9 took 28 ms

23/05/25 13:06:52 INFO memory.MemoryStore: Block broadcast\_9 stored as values in memory (estimated size 10.6 KB, free 365.7 MB)

23/05/25 13:06:52 INFO storage.BlockManager: Found block rdd\_4\_0 locally

23/05/25 13:06:52 INFO executor.Executor: Finished task 0.0 in stage 8.0 (TID 8). 1352 bytes result sent to driver

23/05/25 13:06:52 INFO executor.CoarseGrainedExecutorBackend: Got assigned task 9

23/05/25 13:06:52 INFO executor.Executor: Running task 0.0 in stage 9.0 (TID 9)

23/05/25 13:06:52 INFO broadcast.TorrentBroadcast: Started reading broadcast variable 10

23/05/25 13:06:52 INFO memory.MemoryStore: Block broadcast\_10\_piece0 stored as bytes in memory (estimated size 5.6 KB, free 365.7 MB)

23/05/25 13:06:52 INFO broadcast.TorrentBroadcast: Reading broadcast variable 10 took 27 ms

23/05/25 13:06:52 INFO memory.MemoryStore: Block broadcast\_10 stored as values in memory (estimated size 10.6 KB, free 365.7 MB)

23/05/25 13:06:52 INFO storage.BlockManager: Found block rdd\_4\_0 locally

23/05/25 13:06:52 INFO executor.Executor: Finished task 0.0 in stage 9.0 (TID 9). 1352 bytes result sent to driver

23/05/25 13:06:52 INFO executor.CoarseGrainedExecutorBackend: Driver commanded a shutdown

23/05/25 13:06:52 INFO executor.CoarseGrainedExecutorBackend: Driver from ip-10-1-1-204.ap-south-1.compute.internal:34843 disconnected during shutdown

23/05/25 13:06:52 INFO executor.CoarseGrainedExecutorBackend: Driver from ip-10-1-1-204.ap-south-1.compute.internal:34843 disconnected during shutdown

23/05/25 13:06:52 INFO memory.MemoryStore: MemoryStore cleared

23/05/25 13:06:52 INFO storage.BlockManager: BlockManager stopped

23/05/25 13:06:52 INFO util.ShutdownHookManager: Shutdown hook called

23/05/25 13:06:52 INFO util.ShutdownHookManager: Deleting directory /mnt/data/yarn/nm/usercache/raghavendr48edu/appcache/application\_1684866872278\_1287/spark-cec639e8-f970-406d-8627-b2651deaeb04

End of LogType:stderr

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

End of LogType:stdout

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

*From <*[*https://bigdata.cloudlabs.edureka.co/shell/*](https://bigdata.cloudlabs.edureka.co/shell/)*>*

5.Transfer the sample dataset from RDBMS to HDFS

**Step 9.1: Download Dataset -Download dataset and transfer to cloud lab using FTP**

**Step 9.2: Load data in mysql - Login into mysql - Create schema in mysql**

show databases;

use database

Show tables;

127 login: raghavendr48edu

raghavendr48edu@127.0.0.1's password:

Last login: Thu May 18 14:47:35 2023 from localhost

[raghavendr48edu@ip-10-1-1-204 ~]$ **mysql -u raghavendr48edu -pRedKangaroo99$**

mysql: [Warning] Using a password on the command line interface can be insecure.

Welcome to the MySQL monitor. Commands end with ; or \g.

Your MySQL connection id is 3441

Server version: 5.7.33 MySQL Community Server (GPL)

Copyright (c) 2000, 2021, Oracle and/or its affiliates.

Oracle is a registered trademark of Oracle Corporation and/or its

affiliates. Other names may be trademarks of their respective

owners.

Type 'help;' or '\h' for help. Type '\c' to clear the current input statement.

Or

[raghavendr48edu@ip-10-1-1-204 ~]$ **mysql -u raghavendr48edu -p**

Enter password:

Welcome to the MySQL monitor. Commands end with ; or \g.

Your MySQL connection id is 3538

Server version: 5.7.33 MySQL Community Server (GPL)

Copyright (c) 2000, 2021, Oracle and/or its affiliates.

Oracle is a registered trademark of Oracle Corporation and/or its

affiliates. Other names may be trademarks of their respective

owners.

Type 'help;' or '\h' for help. Type '\c' to clear the current input statement.

mysql>

*From <*[*https://bigdata.cloudlabs.edureka.co/shell/*](https://bigdata.cloudlabs.edureka.co/shell/)*>*

mysql> **select @@hostname;**

+-------------------------------------------+

| @@hostname |

+-------------------------------------------+

| ip-10-1-1-204.ap-south-1.compute.internal |

+-------------------------------------------+

1 row in set (0.00 sec)

*From <*[*https://bigdata.cloudlabs.edureka.co/shell/*](https://bigdata.cloudlabs.edureka.co/shell/)*>*

mysql> **create table financial\_regulation(SYMBOL varchar(100),SERIES varchar(50), OPEN double, HIGH double, LOW double, CLOSE double, LAST double, PREVCLOSE d**

**ouble,TOTTRDQTY double,TOITRDVAL double,TIMESTAMP date, TOTALTRADES int,ISIN varchar(50));**

**ERROR 1046 (3D000): No database selected**

mysql> show databases

-> show databases;

ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that corresponds to your MySQL server version for the right syntax to use near 'sh

ow databases' at line 2

mysql> **show databases;**

+--------------------+

| Database |

+--------------------+

| information\_schema |

| raghavendr48edu |

+--------------------+

2 rows in set (0.03 sec)

mysql> **use raghavendr48edu**

Database changed

mysql> **show tables**;

Empty set (0.00 sec)

mysql> **create table financial\_regulation(SYMBOL varchar(100),SERIES varchar(50), OPEN double, HIGH double, LOW double, CLOSE double, LAST double, PREVCLOSE d**

**ouble,TOTTRDQTY double,TOITRDVAL double,TIMESTAMP date, TOTALTRADES int,ISIN varchar(50));**

**Query OK, 0 rows affected (0.01 sec)**

mysql> **show tables;**

+---------------------------+

| Tables\_in\_raghavendr48edu |

+---------------------------+

| financial\_regulation |

+---------------------------+

1 row in set (0.00 sec)

*From <*[*https://bigdata.cloudlabs.edureka.co/shell/*](https://bigdata.cloudlabs.edureka.co/shell/)*>*

- **Load csv in table**

mysql> **load data local infile '/home/raghavendr48edu/FINAL\_FROM\_DF.csv' into table financial\_regulation FIELDS TERMINATED BY ',';**

Query OK, 846405 rows affected, 10 warnings (5.98 sec)

Records: 846405 Deleted: 0 Skipped: 0 Warnings: 10

mysql> select \* from financial\_regulation limit 5;

+------------+--------+----------+----------+-------+---------+-------+-----------+-----------+-------------+------------+-------------+--------------+

| SYMBOL | SERIES | OPEN | HIGH | LOW | CLOSE | LAST | PREVCLOSE | TOTTRDQTY | TOITRDVAL | TIMESTAMP | TOTALTRADES | ISIN |

+------------+--------+----------+----------+-------+---------+-------+-----------+-----------+-------------+------------+-------------+--------------+

| SYMBOL | SERIES | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0000-00-00 | 0 | ISIN |

| 20MICRONS | EQ | 37.8 | 37.8 | 36.15 | 36.85 | 37.4 | 37.05 | 27130 | 994657.9 | 2017-06-28 | 202 | INE144J01027 |

| 3IINFOTECH | EQ | 4.1 | 4.85 | 4 | 4.55 | 4.65 | 4.05 | 20157058 | 92148517.65 | 2017-06-28 | 7353 | INE748C01020 |

| 3MINDIA | EQ | 13425.15 | 13469.55 | 12920 | 13266.7 | 13300 | 13460.55 | 2290 | 30304923.35 | 2017-06-28 | 748 | INE470A01017 |

| 63MOONS | EQ | 61 | 61.9 | 60.35 | 61 | 61.1 | 60.65 | 27701 | 1689421 | 2017-06-28 | 437 | INE111B01023 |

+------------+--------+----------+----------+-------+---------+-------+-----------+-----------+-------------+------------+-------------+--------------+

5 rows in set (0.01 sec)

*From <*[*https://bigdata.cloudlabs.edureka.co/shell/*](https://bigdata.cloudlabs.edureka.co/shell/)*>*

**mysql> exit;**

Bye

mysql> l**oad data local infile '/home/raghavendr48edu/FINAL\_FROM\_DF.csv' into table financial\_regulation FIELDS TERMINATED BY ',' IGNORE 1 ROWS;**

Query OK, 846404 rows affected (6.07 sec)

Records: 846404 Deleted: 0 Skipped: 0 Warnings: 0

mysql> select \* from financial\_regulation limit 5;

+------------+--------+----------+----------+-------+---------+-------+-----------+-----------+-------------+------------+-------------+--------------+

| SYMBOL | SERIES | OPEN | HIGH | LOW | CLOSE | LAST | PREVCLOSE | TOTTRDQTY | TOITRDVAL | TIMESTAMP | TOTALTRADES | ISIN |

+------------+--------+----------+----------+-------+---------+-------+-----------+-----------+-------------+------------+-------------+--------------+

| 20MICRONS | EQ | 37.8 | 37.8 | 36.15 | 36.85 | 37.4 | 37.05 | 27130 | 994657.9 | 2017-06-28 | 202 | INE144J01027 |

| 3IINFOTECH | EQ | 4.1 | 4.85 | 4 | 4.55 | 4.65 | 4.05 | 20157058 | 92148517.65 | 2017-06-28 | 7353 | INE748C01020 |

| 3MINDIA | EQ | 13425.15 | 13469.55 | 12920 | 13266.7 | 13300 | 13460.55 | 2290 | 30304923.35 | 2017-06-28 | 748 | INE470A01017 |

| 63MOONS | EQ | 61 | 61.9 | 60.35 | 61 | 61.1 | 60.65 | 27701 | 1689421 | 2017-06-28 | 437 | INE111B01023 |

| 8KMILES | EQ | 546.1 | 548 | 535 | 537.45 | 535.2 | 547.45 | 79722 | 43208620.05 | 2017-06-28 | 1866 | INE650K01021 |

+------------+--------+----------+----------+-------+---------+-------+-----------+-----------+-------------+------------+-------------+--------------+

5 rows in set (0.00 sec)

mysql> exit;

Bye

*From <*[*https://bigdata.cloudlabs.edureka.co/shell/*](https://bigdata.cloudlabs.edureka.co/shell/)*>*

**Step 9.3: Transferring data from Mysql to HDFS - List Databases**

sqoop list-databases --connect jdbc:mysql://sqoopdb.edu.cloudlab.com/userdb -- username raghavendr48edu --password RedKangaroo99$

**sqoop list-databases --connect jdbc:mysql://localhost --username raghavendr48edu --password RedKangaroo99$**

Warning: /opt/cloudera/parcels/CDH-6.2.1-1.cdh6.2.1.p0.1425774/bin/../lib/sqoop/../accumulo does not exist! Accumulo imports will fail.

Please set $ACCUMULO\_HOME to the root of your Accumulo installation.

SLF4J: Class path contains multiple SLF4J bindings.

SLF4J: Found binding in [jar:file:/opt/cloudera/parcels/CDH-6.2.1-1.cdh6.2.1.p0.1425774/jars/slf4j-log4j12-1.7.25.jar!/org/slf4j/impl/StaticLoggerBinder.clas

s]

SLF4J: Found binding in [jar:file:/opt/cloudera/parcels/CDH-6.2.1-1.cdh6.2.1.p0.1425774/jars/log4j-slf4j-impl-2.8.2.jar!/org/slf4j/impl/StaticLoggerBinder.cl

ass]

SLF4J: See  <http://www.slf4j.org/codes.html#multiple_bindings> for an explanation.

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

23/05/19 10:10:48 INFO sqoop.Sqoop: Running Sqoop version: 1.4.7-cdh6.2.1

23/05/19 10:10:49 WARN tool.BaseSqoopTool: Setting your password on the command-line is insecure. Consider using -P instead.

23/05/19 10:10:49 INFO manager.MySQLManager: Preparing to use a MySQL streaming resultset.

information\_schema

raghavendr48edu

*From <*[*https://bigdata.cloudlabs.edureka.co/shell/*](https://bigdata.cloudlabs.edureka.co/shell/)*>*

[raghavendr48edu@ip-10-1-1-204 ~]$ **sqoop list-databases --connect jdbc:mysql://ip-10-1-1-204.ap-south-1.compute.internal --username raghavendr48edu --password RedKangaroo99$**

Warning: /opt/cloudera/parcels/CDH-6.2.1-1.cdh6.2.1.p0.1425774/bin/../lib/sqoop/../accumulo does not exist! Accumulo imports will fail.

Please set $ACCUMULO\_HOME to the root of your Accumulo installation.

SLF4J: Class path contains multiple SLF4J bindings.

SLF4J: Found binding in [jar:file:/opt/cloudera/parcels/CDH-6.2.1-1.cdh6.2.1.p0.1425774/jars/slf4j-log4j12-1.7.25.jar!/org/slf4j/impl/StaticLoggerBinder.clas

s]

SLF4J: Found binding in [jar:file:/opt/cloudera/parcels/CDH-6.2.1-1.cdh6.2.1.p0.1425774/jars/log4j-slf4j-impl-2.8.2.jar!/org/slf4j/impl/StaticLoggerBinder.cl

ass]

SLF4J: See  <http://www.slf4j.org/codes.html#multiple_bindings> for an explanation.

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

23/05/19 10:14:17 INFO sqoop.Sqoop: Running Sqoop version: 1.4.7-cdh6.2.1

23/05/19 10:14:17 WARN tool.BaseSqoopTool: Setting your password on the command-line is insecure. Consider using -P instead.

23/05/19 10:14:17 INFO manager.MySQLManager: Preparing to use a MySQL streaming resultset.

information\_schema

raghavendr48edu

[raghavendr48edu@ip-10-1-1-204 ~]$

*From <*[*https://bigdata.cloudlabs.edureka.co/shell/*](https://bigdata.cloudlabs.edureka.co/shell/)*>*

[raghavendr48edu@ip-10-1-1-204 ~]$ **sqoop list-databases --connect jdbc:mysql://ip-10-1-1-204.ap-south-1.compute.internal:3306/raghavendr48edu --username raghavendr48edu --password RedKangaroo99$**

Warning: /opt/cloudera/parcels/CDH-6.2.1-1.cdh6.2.1.p0.1425774/bin/../lib/sqoop/../accumulo does not exist! Accumulo imports will fail.

Please set $ACCUMULO\_HOME to the root of your Accumulo installation.

SLF4J: Class path contains multiple SLF4J bindings.

SLF4J: Found binding in [jar:file:/opt/cloudera/parcels/CDH-6.2.1-1.cdh6.2.1.p0.1425774/jars/slf4j-log4j12-1.7.25.jar!/org/slf4j/impl/StaticLoggerBinder.clas

s]

SLF4J: Found binding in [jar:file:/opt/cloudera/parcels/CDH-6.2.1-1.cdh6.2.1.p0.1425774/jars/log4j-slf4j-impl-2.8.2.jar!/org/slf4j/impl/StaticLoggerBinder.cl

ass]

SLF4J: See  <http://www.slf4j.org/codes.html#multiple_bindings> for an explanation.

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

23/05/19 14:30:29 INFO sqoop.Sqoop: Running Sqoop version: 1.4.7-cdh6.2.1

23/05/19 14:30:29 WARN tool.BaseSqoopTool: Setting your password on the command-line is insecure. Consider using -P instead.

23/05/19 14:30:30 INFO manager.MySQLManager: Preparing to use a MySQL streaming resultset.

information\_schema

raghavendr48edu

*From <*[*https://bigdata.cloudlabs.edureka.co/shell/*](https://bigdata.cloudlabs.edureka.co/shell/)*>*

[raghavendr48edu@ip-10-1-1-204 ~]$ **sqoop import --connect jdbc:mysql://ip-10-1-1-204.ap-south-1.compute.internal:3306/raghavendr48edu --username raghavendr48**

**edu --password RedKangaroo99$ --table financial\_regulation --m 1 --driver com.mysql.jdbc.Driver --target-dir /user/raghavendr48edu/financial\_regulation\_data/**

Warning: /opt/cloudera/parcels/CDH-6.2.1-1.cdh6.2.1.p0.1425774/bin/../lib/sqoop/../accumulo does not exist! Accumulo imports will fail.

Please set $ACCUMULO\_HOME to the root of your Accumulo installation.

SLF4J: Class path contains multiple SLF4J bindings.

SLF4J: Found binding in [jar:file:/opt/cloudera/parcels/CDH-6.2.1-1.cdh6.2.1.p0.1425774/jars/slf4j-log4j12-1.7.25.jar!/org/slf4j/impl/StaticLoggerBinder.clas

s]

SLF4J: Found binding in [jar:file:/opt/cloudera/parcels/CDH-6.2.1-1.cdh6.2.1.p0.1425774/jars/log4j-slf4j-impl-2.8.2.jar!/org/slf4j/impl/StaticLoggerBinder.cl

ass]

SLF4J: See  <http://www.slf4j.org/codes.html#multiple_bindings> for an explanation.

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

23/05/19 17:01:33 INFO sqoop.Sqoop: Running Sqoop version: 1.4.7-cdh6.2.1

23/05/19 17:01:33 WARN tool.BaseSqoopTool: Setting your password on the command-line is insecure. Consider using -P instead.

23/05/19 17:01:33 WARN sqoop.ConnFactory: Parameter --driver is set to an explicit driver however appropriate connection manager is not being set (via --conn

ection-manager). Sqoop is going to fall back to org.apache.sqoop.manager.GenericJdbcManager. Please specify explicitly which connection manager should be use

d next time.

23/05/19 17:01:33 INFO manager.SqlManager: Using default fetchSize of 1000

23/05/19 17:01:33 INFO tool.CodeGenTool: Beginning code generation

23/05/19 17:01:34 INFO manager.SqlManager: Executing SQL statement: SELECT t.\* FROM financial\_regulation AS t WHERE 1=0

23/05/19 17:01:34 INFO manager.SqlManager: Executing SQL statement: SELECT t.\* FROM financial\_regulation AS t WHERE 1=0

23/05/19 17:01:34 INFO orm.CompilationManager: HADOOP\_MAPRED\_HOME is /opt/cloudera/parcels/CDH/lib/hadoop-mapreduce

23/05/19 17:01:35 ERROR orm.CompilationManager: Could not rename /tmp/sqoop-raghavendr48edu/compile/09fd834432c724d694319b2fb5866004/financial\_regulation.jav

a to /home/raghavendr48edu/./financial\_regulation.java. Error: Destination '/home/raghavendr48edu/./financial\_regulation.java' already exists

23/05/19 17:01:35 INFO orm.CompilationManager: Writing jar file: /tmp/sqoop-raghavendr48edu/compile/09fd834432c724d694319b2fb5866004/financial\_regulation.jar

23/05/19 17:01:35 INFO mapreduce.ImportJobBase: Beginning import of financial\_regulation

23/05/19 17:01:36 INFO Configuration.deprecation: mapred.jar is deprecated. Instead, use mapreduce.job.jar

23/05/19 17:01:36 INFO manager.SqlManager: Executing SQL statement: SELECT t.\* FROM financial\_regulation AS t WHERE 1=0

23/05/19 17:01:36 INFO Configuration.deprecation: mapred.map.tasks is deprecated. Instead, use mapreduce.job.maps

23/05/19 17:01:36 INFO client.RMProxy: Connecting to ResourceManager at ip-10-1-1-204.ap-south-1.compute.internal/10.1.1.204:8032

23/05/19 17:01:37 INFO mapreduce.JobResourceUploader: Disabling Erasure Coding for path: /user/raghavendr48edu/.staging/job\_1684298513961\_0686

23/05/19 17:01:39 INFO db.DBInputFormat: Using read commited transaction isolation

23/05/19 17:01:39 INFO mapreduce.JobSubmitter: number of splits:1

23/05/19 17:01:39 INFO Configuration.deprecation: yarn.resourcemanager.system-metrics-publisher.enabled is deprecated. Instead, use yarn.system-metrics-publi

sher.enabled

23/05/19 17:01:39 INFO mapreduce.JobSubmitter: Submitting tokens for job: job\_1684298513961\_0686

23/05/19 17:01:39 INFO mapreduce.JobSubmitter: Executing with tokens: []

23/05/19 17:01:40 INFO conf.Configuration: resource-types.xml not found

23/05/19 17:01:40 INFO resource.ResourceUtils: Unable to find 'resource-types.xml'.

23/05/19 17:01:40 INFO impl.YarnClientImpl: Submitted application application\_1684298513961\_0686

23/05/19 17:01:40 INFO mapreduce.Job: The url to track the job:  <http://ip-10-1-1-204.ap-south-1.compute.internal:6066/proxy/application_1684298513961_0686/>

23/05/19 17:01:40 INFO mapreduce.Job: Running job: job\_1684298513961\_0686

23/05/19 17:01:47 INFO mapreduce.Job: Job job\_1684298513961\_0686 running in uber mode : false

23/05/19 17:01:47 INFO mapreduce.Job: map 0% reduce 0%

23/05/19 17:02:02 INFO mapreduce.Job: map 100% reduce 0%

23/05/19 17:02:03 INFO mapreduce.Job: Job job\_1684298513961\_0686 completed successfully

23/05/19 17:02:03 INFO mapreduce.Job: Counters: 33

File System Counters

FILE: Number of bytes read=0

FILE: Number of bytes written=246524

FILE: Number of read operations=0

FILE: Number of large read operations=0

FILE: Number of write operations=0

HDFS: Number of bytes read=85

HDFS: Number of bytes written=80474953

HDFS: Number of read operations=6

HDFS: Number of large read operations=0

HDFS: Number of write operations=2

HDFS: Number of bytes read erasure-coded=0

Job Counters

Launched map tasks=1

Other local map tasks=1

Total time spent by all maps in occupied slots (ms)=13055

Total time spent by all reduces in occupied slots (ms)=0

Total time spent by all map tasks (ms)=13055

Total vcore-milliseconds taken by all map tasks=13055

Total megabyte-milliseconds taken by all map tasks=13368320

Map-Reduce Framework

Map input records=846404

Map output records=846404

Input split bytes=85

Spilled Records=0

Failed Shuffles=0

Merged Map outputs=0

GC time elapsed (ms)=1286

CPU time spent (ms)=13760

Physical memory (bytes) snapshot=759418880

Virtual memory (bytes) snapshot=2604331008

Total committed heap usage (bytes)=791150592

Peak Map Physical memory (bytes)=759418880

Peak Map Virtual memory (bytes)=2604331008

File Input Format Counters

Bytes Read=0

File Output Format Counters

Bytes Written=80474953

23/05/19 17:02:03 INFO mapreduce.ImportJobBase: Transferred 76.7469 MB in 26.7332 seconds (2.8708 MB/sec)

23/05/19 17:02:03 INFO mapreduce.ImportJobBase: Retrieved 846404 records.

[raghavendr48edu@ip-10-1-1-204 ~]$

*From <*[*https://bigdata.cloudlabs.edureka.co/shell/*](https://bigdata.cloudlabs.edureka.co/shell/)*>*

6.Validate the loaded data by comparing the statistics of data both in source

and HDFS

[raghavendr48edu@ip-10-1-1-204 ~]$ **hdfs dfs -cat /user/raghavendr48edu/financial\_regulation\_data/\*|wc -l**

846404

*From <*[*https://chat.openai.com/c/969e01fc-3524-47bc-a24f-101e1128de61*](https://chat.openai.com/c/969e01fc-3524-47bc-a24f-101e1128de61)*>*

[raghavendr48edu@ip-10-1-1-204 ~]$ **hdfs dfs -cat /user/raghavendr48edu/financial\_regulation\_data/\*|head -5**

20MICRONS,EQ,37.8,37.8,36.15,36.85,37.4,37.05,27130.0,994657.9,2017-06-28,202,INE144J01027

3IINFOTECH,EQ,4.1,4.85,4.0,4.55,4.65,4.05,2.0157058E7,9.214851765E7,2017-06-28,7353,INE748C01020

3MINDIA,EQ,13425.15,13469.55,12920.0,13266.7,13300.0,13460.55,2290.0,3.030492335E7,2017-06-28,748,INE470A01017

63MOONS,EQ,61.0,61.9,60.35,61.0,61.1,60.65,27701.0,1689421.0,2017-06-28,437,INE111B01023

8KMILES,EQ,546.1,548.0,535.0,537.45,535.2,547.45,79722.0,4.320862005E7,2017-06-28,1866,INE650K01021

cat: Unable to write to output stream.

*From <*[*https://bigdata.cloudlabs.edureka.co/shell/*](https://bigdata.cloudlabs.edureka.co/shell/)*>*

7.Create a new directory EQ in HDFS and transfer the data where series is EQ

hdfs dfs -mkdir /user/raghavendr48edu/financial\_regulation\_data/eq

[raghavendr48edu@ip-10-1-1-204 ~]$ hdfs dfs -rm -r /user/raghavendr48edu/financial\_regulation\_data/eq

23/05/19 11:35:18 INFO fs.TrashPolicyDefault: Moved: 'hdfs://nameservice1/user/raghavendr48edu/financial\_regulation\_data/eq' to trash at: hdfs://nameservice1

/user/raghavendr48edu/.Trash/Current/user/raghavendr48edu/financial\_regulation\_data/eq

[raghavendr48edu@ip-10-1-1-204 ~]$ **sqoop import --connect jdbc:mysql://ip-10-1-1-204.ap-south-1.compute.internal:3306/raghavendr48edu --username raghavendr4**

**8edu --password RedKangaroo99$ -m 1 --table financial\_regulation --where "SERIES='EQ'" --target-dir /user/raghavendr48edu/financial\_regulation\_data/eq --driver com.mysql.jdbc.Driver**

Warning: /opt/cloudera/parcels/CDH-6.2.1-1.cdh6.2.1.p0.1425774/bin/../lib/sqoop/../accumulo does not exist! Accumulo imports will fail.

Please set $ACCUMULO\_HOME to the root of your Accumulo installation.

SLF4J: Class path contains multiple SLF4J bindings.

SLF4J: Found binding in [jar:file:/opt/cloudera/parcels/CDH-6.2.1-1.cdh6.2.1.p0.1425774/jars/slf4j-log4j12-1.7.25.jar!/org/slf4j/impl/StaticLoggerBinder.clas

s]

SLF4J: Found binding in [jar:file:/opt/cloudera/parcels/CDH-6.2.1-1.cdh6.2.1.p0.1425774/jars/log4j-slf4j-impl-2.8.2.jar!/org/slf4j/impl/StaticLoggerBinder.cl

ass]

SLF4J: See  <http://www.slf4j.org/codes.html#multiple_bindings> for an explanation.

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

23/05/19 17:09:52 INFO sqoop.Sqoop: Running Sqoop version: 1.4.7-cdh6.2.1

23/05/19 17:09:52 WARN tool.BaseSqoopTool: Setting your password on the command-line is insecure. Consider using -P instead.

23/05/19 17:09:52 WARN sqoop.ConnFactory: Parameter --driver is set to an explicit driver however appropriate connection manager is not being set (via --conn

ection-manager). Sqoop is going to fall back to org.apache.sqoop.manager.GenericJdbcManager. Please specify explicitly which connection manager should be use

d next time.

23/05/19 17:09:52 INFO manager.SqlManager: Using default fetchSize of 1000

23/05/19 17:09:52 INFO tool.CodeGenTool: Beginning code generation

23/05/19 17:09:53 INFO manager.SqlManager: Executing SQL statement: SELECT t.\* FROM financial\_regulation AS t WHERE 1=0

23/05/19 17:09:53 INFO manager.SqlManager: Executing SQL statement: SELECT t.\* FROM financial\_regulation AS t WHERE 1=0

23/05/19 17:09:53 INFO orm.CompilationManager: HADOOP\_MAPRED\_HOME is /opt/cloudera/parcels/CDH/lib/hadoop-mapreduce

23/05/19 17:09:55 ERROR orm.CompilationManager: Could not rename /tmp/sqoop-raghavendr48edu/compile/0edf9693a832d2505650f6de1279c071/financial\_regulation.jav

a to /home/raghavendr48edu/./financial\_regulation.java. Error: Destination '/home/raghavendr48edu/./financial\_regulation.java' already exists

23/05/19 17:09:55 INFO orm.CompilationManager: Writing jar file: /tmp/sqoop-raghavendr48edu/compile/0edf9693a832d2505650f6de1279c071/financial\_regulation.jar

23/05/19 17:09:55 INFO mapreduce.ImportJobBase: Beginning import of financial\_regulation

23/05/19 17:09:55 INFO Configuration.deprecation: mapred.jar is deprecated. Instead, use mapreduce.job.jar

23/05/19 17:09:55 INFO manager.SqlManager: Executing SQL statement: SELECT t.\* FROM financial\_regulation AS t WHERE 1=0

23/05/19 17:09:56 INFO Configuration.deprecation: mapred.map.tasks is deprecated. Instead, use mapreduce.job.maps

23/05/19 17:09:56 INFO client.RMProxy: Connecting to ResourceManager at ip-10-1-1-204.ap-south-1.compute.internal/10.1.1.204:8032

23/05/19 17:09:56 INFO mapreduce.JobResourceUploader: Disabling Erasure Coding for path: /user/raghavendr48edu/.staging/job\_1684298513961\_0687

23/05/19 17:09:58 INFO db.DBInputFormat: Using read commited transaction isolation

23/05/19 17:09:59 INFO mapreduce.JobSubmitter: number of splits:1

23/05/19 17:09:59 INFO Configuration.deprecation: yarn.resourcemanager.system-metrics-publisher.enabled is deprecated. Instead, use yarn.system-metrics-publi

sher.enabled

23/05/19 17:09:59 INFO mapreduce.JobSubmitter: Submitting tokens for job: job\_1684298513961\_0687

23/05/19 17:09:59 INFO mapreduce.JobSubmitter: Executing with tokens: []

23/05/19 17:09:59 INFO conf.Configuration: resource-types.xml not found

23/05/19 17:09:59 INFO resource.ResourceUtils: Unable to find 'resource-types.xml'.

23/05/19 17:09:59 INFO impl.YarnClientImpl: Submitted application application\_1684298513961\_0687

23/05/19 17:09:59 INFO mapreduce.Job: The url to track the job:  <http://ip-10-1-1-204.ap-south-1.compute.internal:6066/proxy/application_1684298513961_0687/>

23/05/19 17:09:59 INFO mapreduce.Job: Running job: job\_1684298513961\_0687

23/05/19 17:10:08 INFO mapreduce.Job: Job job\_1684298513961\_0687 running in uber mode : false

23/05/19 17:10:08 INFO mapreduce.Job: map 0% reduce 0%

23/05/19 17:10:27 INFO mapreduce.Job: map 100% reduce 0%

23/05/19 17:10:27 INFO mapreduce.Job: Job job\_1684298513961\_0687 completed successfully

23/05/19 17:10:27 INFO mapreduce.Job: Counters: 33

File System Counters

FILE: Number of bytes read=0

FILE: Number of bytes written=246865

FILE: Number of read operations=0

FILE: Number of large read operations=0

FILE: Number of write operations=0

HDFS: Number of bytes read=85

HDFS: Number of bytes written=70804177

HDFS: Number of read operations=6

HDFS: Number of large read operations=0

HDFS: Number of write operations=2

HDFS: Number of bytes read erasure-coded=0

Job Counters

Launched map tasks=1

Other local map tasks=1

Total time spent by all maps in occupied slots (ms)=17585

Total time spent by all reduces in occupied slots (ms)=0

Total time spent by all map tasks (ms)=17585

Total vcore-milliseconds taken by all map tasks=17585

Total megabyte-milliseconds taken by all map tasks=18007040

Map-Reduce Framework

Map input records=739199

Map output records=739199

Input split bytes=85

Spilled Records=0

Failed Shuffles=0

Merged Map outputs=0

GC time elapsed (ms)=4161

CPU time spent (ms)=16810

Physical memory (bytes) snapshot=695107584

Virtual memory (bytes) snapshot=2596241408

Total committed heap usage (bytes)=769130496

Peak Map Physical memory (bytes)=695107584

Peak Map Virtual memory (bytes)=2596241408

File Input Format Counters

Bytes Read=0

File Output Format Counters

Bytes Written=70804177

23/05/19 17:10:27 INFO mapreduce.ImportJobBase: Transferred 67.5241 MB in 31.6986 seconds (2.1302 MB/sec)

23/05/19 17:10:27 INFO mapreduce.ImportJobBase: Retrieved 739199 records.

[raghavendr48edu@ip-10-1-1-204 ~]$

*From <*[*https://bigdata.cloudlabs.edureka.co/shell/*](https://bigdata.cloudlabs.edureka.co/shell/)*>*

8.Set total trades which are less than 500 to 0 and transfer only updated

rows.

mysql> alter table financial\_regulation add column timestamp timestamp;

ERROR 1060 (42S21): Duplicate column name 'timestamp'

mysql> alter table financial\_regulation add column time\_stamp timestamp;

Query OK, 0 rows affected (8.37 sec)

Records: 0 Duplicates: 0 Warnings: 0

mysql> select \* from financial\_regulation limit 5;

+------------+--------+----------+----------+-------+---------+-------+-----------+-----------+-------------+------------+-------------+--------------+---------------------+

| SYMBOL | SERIES | OPEN | HIGH | LOW | CLOSE | LAST | PREVCLOSE | TOTTRDQTY | TOITRDVAL | TIMESTAMP | TOTALTRADES | ISIN | time\_stamp |

+------------+--------+----------+----------+-------+---------+-------+-----------+-----------+-------------+------------+-------------+--------------+---------------------+

| 20MICRONS | EQ | 37.8 | 37.8 | 36.15 | 36.85 | 37.4 | 37.05 | 27130 | 994657.9 | 2017-06-28 | 202 | INE144J01027 | 2023-05-21 06:29:03 |

| 3IINFOTECH | EQ | 4.1 | 4.85 | 4 | 4.55 | 4.65 | 4.05 | 20157058 | 92148517.65 | 2017-06-28 | 7353 | INE748C01020 | 2023-05-21 06:29:03 |

| 3MINDIA | EQ | 13425.15 | 13469.55 | 12920 | 13266.7 | 13300 | 13460.55 | 2290 | 30304923.35 | 2017-06-28 | 748 | INE470A01017 | 2023-05-21 06:29:03 |

| 63MOONS | EQ | 61 | 61.9 | 60.35 | 61 | 61.1 | 60.65 | 27701 | 1689421 | 2017-06-28 | 437 | INE111B01023 | 2023-05-21 06:29:03 |

| 8KMILES | EQ | 546.1 | 548 | 535 | 537.45 | 535.2 | 547.45 | 79722 | 43208620.05 | 2017-06-28 | 1866 | INE650K01021 | 2023-05-21 06:29:03 |

+------------+--------+----------+----------+-------+---------+-------+-----------+-----------+-------------+------------+-------------+--------------+---------------------+

5 rows in set (0.00 sec)

mysql> alter table financial\_regulation add column currentdate DATE; (you get null values)

Query OK, 0 rows affected (7.66 sec)

Records: 0 Duplicates: 0 Warnings: 0

mysql> update financial\_regulation SET currentdate=CURRENT\_DATE;

Query OK, 846404 rows affected (16.18 sec)

Rows matched: 846404 Changed: 846404 Warnings: 0

mysql> alter table financial\_regulation add updatetrades INT(11);

Query OK, 0 rows affected (7.02 sec)

Records: 0 Duplicates: 0 Warnings: 0

mysql> update financial\_regulation set updatetrades=0 where TOTALTRADES<500;

Query OK, 399261 rows affected (8.48 sec)

Rows matched: 399261 Changed: 399261 Warnings: 0

[raghavendr48edu@ip-10-1-1-204 ~]$ **lastvalue=$(mysql -u raghavendr48edu -p -h ip-10-1-1-204.ap-south-1.compute.internal -D raghavendr48edu -e "SELECT max(time\_stamp) from financial\_regulation" -sN**)

Enter password:

[raghavendr48edu@ip-10-1-1-204 ~]$ **sqoop import --connect jdbc:mysql://ip-10-1-1-204.ap-south-1.compute.internal/raghavendr48edu --username raghavendr48edu --password RedKangaroo99$ --table financial\_regulation --where "SERIES='EQ'" --incremental lastmodified --check-column time\_stamp --last-value "$lastvalue" --target-dir /user/raghavendr48edu/financial\_regulation\_updated/ --driver com.mysql.jdbc.Driver -m 1**

Warning: /opt/cloudera/parcels/CDH-6.2.1-1.cdh6.2.1.p0.1425774/bin/../lib/sqoop/../accumulo does not exist! Accumulo imports will fail.

Please set $ACCUMULO\_HOME to the root of your Accumulo installation.

SLF4J: Class path contains multiple SLF4J bindings.

SLF4J: Found binding in [jar:file:/opt/cloudera/parcels/CDH-6.2.1-1.cdh6.2.1.p0.1425774/jars/slf4j-log4j12-1.7.25.jar!/org/slf4j/impl/StaticLoggerBinder.class]

SLF4J: Found binding in [jar:file:/opt/cloudera/parcels/CDH-6.2.1-1.cdh6.2.1.p0.1425774/jars/log4j-slf4j-impl-2.8.2.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.slf4j.impl.Log4jLoggerFactory]

23/05/21 06:51:32 INFO sqoop.Sqoop: Running Sqoop version: 1.4.7-cdh6.2.1

23/05/21 06:51:32 WARN tool.BaseSqoopTool: Setting your password on the command-line is insecure. Consider using -P instead.

23/05/21 06:51:32 WARN sqoop.ConnFactory: Parameter --driver is set to an explicit driver however appropriate connection manager 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.

23/05/21 06:51:32 INFO manager.SqlManager: Using default fetchSize of 1000

23/05/21 06:51:32 INFO tool.CodeGenTool: Beginning code generation

23/05/21 06:51:33 INFO manager.SqlManager: Executing SQL statement: SELECT t.\* FROM financial\_regulation AS t WHERE 1=0

23/05/21 06:51:33 INFO manager.SqlManager: Executing SQL statement: SELECT t.\* FROM financial\_regulation AS t WHERE 1=0

23/05/21 06:51:33 INFO orm.CompilationManager: HADOOP\_MAPRED\_HOME is /opt/cloudera/parcels/CDH/lib/hadoop-mapreduce

23/05/21 06:51:34 ERROR orm.CompilationManager: Could not rename /tmp/sqoop-raghavendr48edu/compile/c82967a11cb29494d2a150e8a6f06ecc/financial\_regulation.java to /home/raghavendr48edu/./financial\_regulation.ja

va. Error: Destination '/home/raghavendr48edu/./financial\_regulation.java' already exists

23/05/21 06:51:34 INFO orm.CompilationManager: Writing jar file: /tmp/sqoop-raghavendr48edu/compile/c82967a11cb29494d2a150e8a6f06ecc/financial\_regulation.jar

23/05/21 06:51:35 INFO manager.SqlManager: Executing SQL statement: SELECT t.\* FROM financial\_regulation AS t WHERE 1=0

23/05/21 06:51:35 INFO tool.ImportTool: Incremental import based on column time\_stamp

23/05/21 06:51:35 INFO tool.ImportTool: Lower bound value: '2023-05-21 06:32:38'

23/05/21 06:51:35 INFO tool.ImportTool: Upper bound value: '2023-05-21 06:51:35.0'

23/05/21 06:51:35 INFO mapreduce.ImportJobBase: Beginning import of financial\_regulation

23/05/21 06:51:36 INFO Configuration.deprecation: mapred.jar is deprecated. Instead, use mapreduce.job.jar

23/05/21 06:51:36 INFO manager.SqlManager: Executing SQL statement: SELECT t.\* FROM financial\_regulation AS t WHERE 1=0

23/05/21 06:51:36 INFO Configuration.deprecation: mapred.map.tasks is deprecated. Instead, use mapreduce.job.maps

23/05/21 06:51:36 INFO client.RMProxy: Connecting to ResourceManager at ip-10-1-1-204.ap-south-1.compute.internal/10.1.1.204:8032

23/05/21 06:51:36 INFO mapreduce.JobResourceUploader: Disabling Erasure Coding for path: /user/raghavendr48edu/.staging/job\_1684298513961\_0928

23/05/21 06:51:39 INFO db.DBInputFormat: Using read commited transaction isolation

23/05/21 06:51:39 INFO mapreduce.JobSubmitter: number of splits:1

23/05/21 06:51:39 INFO Configuration.deprecation: yarn.resourcemanager.system-metrics-publisher.enabled is deprecated. Instead, use yarn.system-metrics-publisher.enabled

23/05/21 06:51:39 INFO mapreduce.JobSubmitter: Submitting tokens for job: job\_1684298513961\_0928

23/05/21 06:51:39 INFO mapreduce.JobSubmitter: Executing with tokens: []

23/05/21 06:51:39 INFO conf.Configuration: resource-types.xml not found

23/05/21 06:51:39 INFO resource.ResourceUtils: Unable to find 'resource-types.xml'.

23/05/21 06:51:39 INFO impl.YarnClientImpl: Submitted application application\_1684298513961\_0928

23/05/21 06:51:39 INFO mapreduce.Job: The url to track the job:  <http://ip-10-1-1-204.ap-south-1.compute.internal:6066/proxy/application_1684298513961_0928/>

23/05/21 06:51:39 INFO mapreduce.Job: Running job: job\_1684298513961\_0928

23/05/21 06:51:47 INFO mapreduce.Job: Job job\_1684298513961\_0928 running in uber mode : false

23/05/21 06:51:47 INFO mapreduce.Job: map 0% reduce 0%

23/05/21 06:52:02 INFO mapreduce.Job: map 100% reduce 0%

23/05/21 06:52:03 INFO mapreduce.Job: Job job\_1684298513961\_0928 completed successfully

23/05/21 06:52:03 INFO mapreduce.Job: Counters: 33

File System Counters

FILE: Number of bytes read=0

FILE: Number of bytes written=247448

FILE: Number of read operations=0

FILE: Number of large read operations=0

FILE: Number of write operations=0

HDFS: Number of bytes read=85

HDFS: Number of bytes written=33605184

HDFS: Number of read operations=6

HDFS: Number of large read operations=0

HDFS: Number of write operations=2

HDFS: Number of bytes read erasure-coded=0

Job Counters

Launched map tasks=1

Other local map tasks=1

Total time spent by all maps in occupied slots (ms)=12072

Total time spent by all reduces in occupied slots (ms)=0

Total time spent by all map tasks (ms)=12072

Total vcore-milliseconds taken by all map tasks=12072

Total megabyte-milliseconds taken by all map tasks=12361728

Map-Reduce Framework

Map input records=293796

Map output records=293796

Input split bytes=85

Spilled Records=0

Failed Shuffles=0

Merged Map outputs=0

GC time elapsed (ms)=1497

CPU time spent (ms)=10130

Physical memory (bytes) snapshot=498610176

Virtual memory (bytes) snapshot=2588659712

Total committed heap usage (bytes)=569901056

Peak Map Physical memory (bytes)=498610176

Peak Map Virtual memory (bytes)=2588659712

File Input Format Counters

Bytes Read=0

File Output Format Counters

Bytes Written=33605184

23/05/21 06:52:03 INFO mapreduce.ImportJobBase: Transferred 32.0484 MB in 27.0969 seconds (1.1827 MB/sec)

23/05/21 06:52:03 INFO mapreduce.ImportJobBase: Retrieved 293796 records.

23/05/21 06:52:03 INFO tool.ImportTool: Final destination exists, will run merge job.

23/05/21 06:52:03 INFO tool.ImportTool: Moving data from temporary directory \_sqoop/972ebccb5f1442768d2441d6dc44fef7\_financial\_regulation to final destination /user/raghavendr48edu/financial\_regulation\_updated

23/05/21 06:52:03 INFO tool.ImportTool: Incremental import complete! To run another incremental import of all data following this import, supply the following arguments:

23/05/21 06:52:03 INFO tool.ImportTool: --incremental lastmodified

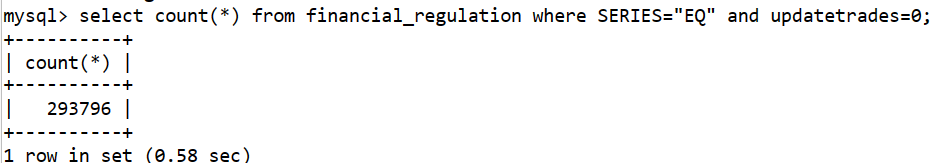
23/05/21 06:52:03 INFO tool.ImportTool: --check-column time\_stamp

23/05/21 06:52:03 INFO tool.ImportTool: --last-value 2023-05-21 06:51:35.0

23/05/21 06:52:03 INFO tool.ImportTool: (Consider saving this with 'sqoop job --create')

[raghavendr48edu@ip-10-1-1-204 ~]$

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Or

[raghavendr48edu@ip-10-1-1-204 ~]$ **sqoop import --connect jdbc:mysql://ip-10-1-1-204.ap-south-1.compute.internal/raghavendr48edu --username raghavendr48edu --password RedKangaroo99$ --table financial\_regulatio**

**n --where "SERIES='EQ'" --incremental append --check-column updatetrades --target-dir /user/raghavendr48edu/incremental\_append/ --driver com.mysql.jdbc.Driver -m 1**

Warning: /opt/cloudera/parcels/CDH-6.2.1-1.cdh6.2.1.p0.1425774/bin/../lib/sqoop/../accumulo does not exist! Accumulo imports will fail.

Please set $ACCUMULO\_HOME to the root of your Accumulo installation.

SLF4J: Class path contains multiple SLF4J bindings.

SLF4J: Found binding in [jar:file:/opt/cloudera/parcels/CDH-6.2.1-1.cdh6.2.1.p0.1425774/jars/slf4j-log4j12-1.7.25.jar!/org/slf4j/impl/StaticLoggerBinder.class]

SLF4J: Found binding in [jar:file:/opt/cloudera/parcels/CDH-6.2.1-1.cdh6.2.1.p0.1425774/jars/log4j-slf4j-impl-2.8.2.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.slf4j.impl.Log4jLoggerFactory]

23/05/21 11:36:00 INFO sqoop.Sqoop: Running Sqoop version: 1.4.7-cdh6.2.1

23/05/21 11:36:00 WARN tool.BaseSqoopTool: Setting your password on the command-line is insecure. Consider using -P instead.

23/05/21 11:36:00 WARN sqoop.ConnFactory: Parameter --driver is set to an explicit driver however appropriate connection manager 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.

23/05/21 11:36:00 INFO manager.SqlManager: Using default fetchSize of 1000

23/05/21 11:36:00 INFO tool.CodeGenTool: Beginning code generation

23/05/21 11:36:00 INFO manager.SqlManager: Executing SQL statement: SELECT t.\* FROM financial\_regulation AS t WHERE 1=0

23/05/21 11:36:00 INFO manager.SqlManager: Executing SQL statement: SELECT t.\* FROM financial\_regulation AS t WHERE 1=0

23/05/21 11:36:00 INFO orm.CompilationManager: HADOOP\_MAPRED\_HOME is /opt/cloudera/parcels/CDH/lib/hadoop-mapreduce

23/05/21 11:36:02 ERROR orm.CompilationManager: Could not rename /tmp/sqoop-raghavendr48edu/compile/41827c3d892387105201a4e66603ddd3/financial\_regulation.java to /home/raghavendr48edu/./financial\_regulation.ja

va. Error: Destination '/home/raghavendr48edu/./financial\_regulation.java' already exists

23/05/21 11:36:02 INFO orm.CompilationManager: Writing jar file: /tmp/sqoop-raghavendr48edu/compile/41827c3d892387105201a4e66603ddd3/financial\_regulation.jar

23/05/21 11:36:02 INFO tool.ImportTool: Maximal id query for free form incremental import: SELECT MAX(updatetrades) FROM financial\_regulation WHERE SERIES='EQ'

23/05/21 11:36:03 INFO tool.ImportTool: Incremental import based on column updatetrades

23/05/21 11:36:03 INFO tool.ImportTool: Upper bound value: 0

23/05/21 11:36:03 INFO mapreduce.ImportJobBase: Beginning import of financial\_regulation

23/05/21 11:36:03 INFO Configuration.deprecation: mapred.jar is deprecated. Instead, use mapreduce.job.jar

23/05/21 11:36:03 INFO manager.SqlManager: Executing SQL statement: SELECT t.\* FROM financial\_regulation AS t WHERE 1=0

23/05/21 11:36:04 INFO Configuration.deprecation: mapred.map.tasks is deprecated. Instead, use mapreduce.job.maps

23/05/21 11:36:04 INFO client.RMProxy: Connecting to ResourceManager at ip-10-1-1-204.ap-south-1.compute.internal/10.1.1.204:8032

23/05/21 11:36:04 INFO mapreduce.JobResourceUploader: Disabling Erasure Coding for path: /user/raghavendr48edu/.staging/job\_1684298513961\_0933

23/05/21 11:36:06 INFO db.DBInputFormat: Using read commited transaction isolation

23/05/21 11:36:06 INFO mapreduce.JobSubmitter: number of splits:1

23/05/21 11:36:06 INFO Configuration.deprecation: yarn.resourcemanager.system-metrics-publisher.enabled is deprecated. Instead, use yarn.system-metrics-publisher.enabled

23/05/21 11:36:06 INFO mapreduce.JobSubmitter: Submitting tokens for job: job\_1684298513961\_0933

23/05/21 11:36:06 INFO mapreduce.JobSubmitter: Executing with tokens: []

23/05/21 11:36:06 INFO conf.Configuration: resource-types.xml not found

23/05/21 11:36:06 INFO resource.ResourceUtils: Unable to find 'resource-types.xml'.

23/05/21 11:36:06 INFO impl.YarnClientImpl: Submitted application application\_1684298513961\_0933

23/05/21 11:36:07 INFO mapreduce.Job: The url to track the job:  <http://ip-10-1-1-204.ap-south-1.compute.internal:6066/proxy/application_1684298513961_0933/>

23/05/21 11:36:07 INFO mapreduce.Job: Running job: job\_1684298513961\_0933

23/05/21 11:36:15 INFO mapreduce.Job: Job job\_1684298513961\_0933 running in uber mode : false

23/05/21 11:36:15 INFO mapreduce.Job: map 0% reduce 0%

23/05/21 11:36:25 INFO mapreduce.Job: map 100% reduce 0%

23/05/21 11:36:25 INFO mapreduce.Job: Job job\_1684298513961\_0933 completed successfully

23/05/21 11:36:25 INFO mapreduce.Job: Counters: 33

File System Counters

FILE: Number of bytes read=0

FILE: Number of bytes written=247289

FILE: Number of read operations=0

FILE: Number of large read operations=0

FILE: Number of write operations=0

HDFS: Number of bytes read=85

HDFS: Number of bytes written=33605184

HDFS: Number of read operations=6

HDFS: Number of large read operations=0

HDFS: Number of write operations=2

HDFS: Number of bytes read erasure-coded=0

Job Counters

Launched map tasks=1

Other local map tasks=1

Total time spent by all maps in occupied slots (ms)=8272

Total time spent by all reduces in occupied slots (ms)=0

Total time spent by all map tasks (ms)=8272

Total vcore-milliseconds taken by all map tasks=8272

Total megabyte-milliseconds taken by all map tasks=8470528

Map-Reduce Framework

Map input records=293796

Map output records=293796

Input split bytes=85

Spilled Records=0

Failed Shuffles=0

Merged Map outputs=0

GC time elapsed (ms)=795

CPU time spent (ms)=9130

Physical memory (bytes) snapshot=522072064

Virtual memory (bytes) snapshot=2602045440

Total committed heap usage (bytes)=780664832

Peak Map Physical memory (bytes)=522072064

Peak Map Virtual memory (bytes)=2602045440

File Input Format Counters

Bytes Read=0

File Output Format Counters

Bytes Written=33605184

23/05/21 11:36:25 INFO mapreduce.ImportJobBase: Transferred 32.0484 MB in 21.1136 seconds (1.5179 MB/sec)

23/05/21 11:36:25 INFO mapreduce.ImportJobBase: Retrieved 293796 records.

23/05/21 11:36:25 INFO util.AppendUtils: Creating missing output directory - incremental\_append

23/05/21 11:36:25 INFO tool.ImportTool: Incremental import complete! To run another incremental import of all data following this import, supply the following arguments:

23/05/21 11:36:25 INFO tool.ImportTool: --incremental append

23/05/21 11:36:25 INFO tool.ImportTool: --check-column updatetrades

23/05/21 11:36:25 INFO tool.ImportTool: --last-value 0

23/05/21 11:36:25 INFO tool.ImportTool: (Consider saving this with 'sqoop job --create')

[raghavendr48edu@ip-10-1-1-204 ~]$

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