



{"Event": "SparkListenerLogStart", "Spark Version": "2.3.0.cloudera2"}

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Classpath","/opt/cloudera/parcels/CDH-5.15.1-1.cdh5.15.1.p0.4/jars/api-util-1.0.0-M20.jar":"System
Classpath","/opt/cloudera/parcels/SPARK2-2.3.0.cloudera2-
1.cdh5.13.3.p0.316101/lib/spark2/jars/ivy-2.4.0.jar":"System
Classpath","/opt/cloudera/parcels/SPARK2-2.3.0.cloudera2-
1.cdh5.13.3.p0.316101/lib/spark2/jars/spark-streaming-flume 2.11-2.3.0.cloudera2.jar":"System
```

```
Classpath","/opt/cloudera/parcels/CDH-5.15.1-1.cdh5.15.1.p0.4/jars/hadoop-sls-2.6.0-
cdh5.15.1.jar":"System Classpath","/opt/cloudera/parcels/SPARK2-2.3.0.cloudera2-
1.cdh5.13.3.p0.316101/lib/spark2/jars/jackson-databind-2.6.7.1.jar":"System
Classpath","/opt/cloudera/parcels/SPARK2-2.3.0.cloudera2-
1.cdh5.13.3.p0.316101/lib/spark2/jars/spire-macros_2.11-0.13.0.jar":"System
Classpath","/opt/cloudera/parcels/SPARK2-2.3.0.cloudera2-
1.cdh5.13.3.p0.316101/lib/spark2/jars/jersey-container-servlet-core-2.22.2.jar":"System
Classpath","/opt/cloudera/parcels/CDH-5.15.1-1.cdh5.15.1.p0.4/jars/commons-beanutils-
1.9.2.jar": "System Classpath", "/opt/cloudera/parcels/SPARK2-2.3.0.cloudera2-
1.cdh5.13.3.p0.316101/lib/spark2/jars/spark-graphx_2.11-2.3.0.cloudera2.jar":"System
Classpath","/opt/cloudera/parcels/CDH-5.15.1-1.cdh5.15.1.p0.4/jars/hadoop-common-2.6.0-
cdh5.15.1.jar":"System Classpath","/opt/cloudera/parcels/SPARK2-2.3.0.cloudera2-
1.cdh5.13.3.p0.316101/lib/spark2/jars/calcite-avatica-1.0.0-incubating.jar":"System
Classpath","/opt/cloudera/parcels/CDH-5.15.1-1.cdh5.15.1.p0.4/jars/hbase-hadoop2-compat-1.2.0-
cdh5.15.1.jar":"System Classpath","/opt/cloudera/parcels/SPARK2-2.3.0.cloudera2-
1.cdh5.13.3.p0.316101/lib/spark2/jars/commons-collections-3.2.2.jar":"System
Classpath","/opt/cloudera/parcels/CDH-5.15.1-1.cdh5.15.1.p0.4/jars/commons-configuration-
1.6.jar":"System Classpath","/opt/cloudera/parcels/CDH-5.15.1-1.cdh5.15.1.p0.4/jars/hadoop-
mapreduce-client-app-2.6.0-cdh5.15.1.jar": "System Classpath", "/opt/cloudera/parcels/SPARK2-
2.3.0.cloudera2-1.cdh5.13.3.p0.316101/lib/spark2/jars/opencsv-2.3.jar":"System
Classpath","/opt/cloudera/parcels/SPARK2-2.3.0.cloudera2-
1.cdh5.13.3.p0.316101/lib/spark2/jars/eigenbase-properties-1.1.4.jar":"System
Classpath","/opt/cloudera/parcels/SPARK2-2.3.0.cloudera2-
1.cdh5.13.3.p0.316101/lib/spark2/jars/javax.annotation-api-1.2.jar": "System
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1.0.0.jar":"System Classpath","/opt/cloudera/parcels/CDH-5.15.1-1.cdh5.15.1.p0.4/jars/hadoop-
streaming-2.6.0-cdh5.15.1.jar":"System Classpath","/opt/cloudera/parcels/SPARK2-2.3.0.cloudera2-
1.cdh5.13.3.p0.316101/lib/spark2/jars/hive-shims-1.1.0-cdh5.13.3.jar":"System
Classpath","/opt/cloudera/parcels/CDH-5.15.1-1.cdh5.15.1.p0.4/jars/high-scale-lib-
1.1.1.jar": "System Classpath", "/opt/cloudera/parcels/SPARK2-2.3.0.cloudera2-
1.cdh5.13.3.p0.316101/lib/spark2/jars/breeze_2.11-0.13.2.jar":"System
Classpath","/opt/cloudera/parcels/CDH-5.15.1-1.cdh5.15.1.p0.4/jars/jets3t-0.9.0.jar":"System
Classpath","/opt/cloudera/parcels/CDH-5.15.1-1.cdh5.15.1.p0.4/jars/spymemcached-
2.11.6.jar": "System Classpath", "/opt/cloudera/parcels/SPARK2-2.3.0.cloudera2-
1.cdh5.13.3.p0.316101/lib/spark2/conf/yarn-conf/":"System
Classpath","/opt/cloudera/parcels/SPARK2-2.3.0.cloudera2-
1.cdh5.13.3.p0.316101/lib/spark2/jars/validation-api-1.1.0.Final.jar":"System
Classpath","/opt/cloudera/parcels/SPARK2-2.3.0.cloudera2-
1.cdh5.13.3.p0.316101/lib/spark2/jars/arpack combined all-0.1.jar":"System
Classpath","/opt/cloudera/parcels/CDH-5.15.1-1.cdh5.15.1.p0.4/jars/jaxb-api-2.1.jar":"System
Classpath","/opt/cloudera/parcels/CDH-5.15.1-1.cdh5.15.1.p0.4/jars/htrace-core-3.2.0-
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1.cdh5.13.3.p0.316101/lib/spark2/jars/datanucleus-core-3.2.10.jar":"System
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cdh5.15.1.jar":"System Classpath","/opt/cloudera/parcels/CDH-5.15.1-1.cdh5.15.1.p0.4/jars/hbase-
rsgroup-1.2.0-cdh5.15.1.jar":"System Classpath","/opt/cloudera/parcels/SPARK2-2.3.0.cloudera2-
1.cdh5.13.3.p0.316101/lib/spark2/jars/RoaringBitmap-0.5.11.jar":"System
Classpath","/opt/cloudera/parcels/SPARK2-2.3.0.cloudera2-
```

```
1.cdh5.13.3.p0.316101/lib/spark2/jars/macro-compat_2.11-1.1.1.jar":"System
Classpath","/opt/cloudera/parcels/CDH-5.15.1-1.cdh5.15.1.p0.4/jars/findbugs-annotations-1.3.9-
1.jar": "System Classpath", "/opt/cloudera/parcels/CDH-5.15.1-1.cdh5.15.1.p0.4/jars/hadoop-yarn-
server-nodemanager-2.6.0-cdh5.15.1.jar":"System Classpath","/opt/cloudera/parcels/CDH-5.15.1-
1.cdh5.15.1.p0.4/jars/azure-data-lake-store-sdk-2.2.9.jar":"System
Classpath","/opt/cloudera/parcels/CDH-5.15.1-1.cdh5.15.1.p0.4/jars/aopalliance-1.0.jar":"System
Classpath","/opt/cloudera/parcels/CDH-5.15.1-1.cdh5.15.1.p0.4/jars/hsqldb-1.8.0.10.jar":"System
Classpath","/opt/cloudera/parcels/SPARK2-2.3.0.cloudera2-
1.cdh5.13.3.p0.316101/lib/spark2/jars/chill-java-0.8.0.jar":"System
Classpath","/opt/cloudera/parcels/SPARK2-2.3.0.cloudera2-
1.cdh5.13.3.p0.316101/lib/spark2/jars/json-20090211.jar":"System
Classpath","/opt/cloudera/parcels/SPARK2-2.3.0.cloudera2-
1.cdh5.13.3.p0.316101/lib/spark2/jars/commons-dbcp-1.4.jar":"System
Classpath","/opt/cloudera/parcels/SPARK2-2.3.0.cloudera2-
1.cdh5.13.3.p0.316101/lib/spark2/jars/spark-unsafe 2.11-2.3.0.cloudera2.jar":"System
Classpath","/opt/cloudera/parcels/SPARK2-2.3.0.cloudera2-
1.cdh5.13.3.p0.316101/lib/spark2/jars/metrics-core-3.1.5.jar":"System
Classpath","/opt/cloudera/parcels/SPARK2-2.3.0.cloudera2-
1.cdh5.13.3.p0.316101/lib/spark2/jars/flatbuffers-1.2.0-3f79e055.jar":"System
Classpath","/opt/cloudera/parcels/SPARK2-2.3.0.cloudera2-
1.cdh5.13.3.p0.316101/lib/spark2/jars/spark-sketch 2.11-2.3.0.cloudera2.jar":"System
Classpath","/opt/cloudera/parcels/CDH-5.15.1-1.cdh5.15.1.p0.4/jars/xercesImpl-2.9.1.jar":"System
Classpath","/opt/cloudera/parcels/CDH-5.15.1-1.cdh5.15.1.p0.4/jars/microsoft-windowsazure-
storage-sdk-0.6.0.jar": "System Classpath", "/opt/cloudera/parcels/CDH-5.15.1-
1.cdh5.15.1.p0.4/jars/aws-java-sdk-bundle-1.11.134.jar":"System
Classpath","/opt/cloudera/parcels/CDH-5.15.1-1.cdh5.15.1.p0.4/jars/jaxb-impl-2.2.3-1.jar":"System
Classpath","/opt/cloudera/parcels/SPARK2-2.3.0.cloudera2-
1.cdh5.13.3.p0.316101/lib/spark2/jars/ST4-4.0.4.jar":"System
Classpath","/opt/cloudera/parcels/SPARK2-2.3.0.cloudera2-
1.cdh5.13.3.p0.316101/lib/spark2/jars/spark-kvstore 2.11-2.3.0.cloudera2.jar":"System
Classpath","/opt/cloudera/parcels/CDH-5.15.1-1.cdh5.15.1.p0.4/jars/jamon-runtime-
2.4.1.jar":"System Classpath","/opt/cloudera/parcels/CDH-5.15.1-1.cdh5.15.1.p0.4/jars/jsp-2.1-
6.1.14.jar": "System Classpath", "/opt/cloudera/parcels/CDH-5.15.1-1.cdh5.15.1.p0.4/jars/hadoop-
nfs-2.6.0-cdh5.15.1.jar":"System Classpath","/opt/cloudera/parcels/SPARK2-2.3.0.cloudera2-
1.cdh5.13.3.p0.316101/lib/spark2/jars/jersey-client-2.22.2.jar":"System
Classpath","/opt/cloudera/parcels/CDH-5.15.1-1.cdh5.15.1.p0.4/jars/hadoop-mapreduce-client-
shuffle-2.6.0-cdh5.15.1.jar":"System Classpath","/opt/cloudera/parcels/SPARK2-2.3.0.cloudera2-
1.cdh5.13.3.p0.316101/lib/spark2/jars/fastutil-6.3.jar":"System
Classpath","/opt/cloudera/parcels/SPARK2-2.3.0.cloudera2-
1.cdh5.13.3.p0.316101/lib/spark2/jars/pyrolite-4.13.jar":"System
Classpath","/opt/cloudera/parcels/SPARK2-2.3.0.cloudera2-
1.cdh5.13.3.p0.316101/lib/spark2/jars/spark-mllib 2.11-2.3.0.cloudera2.jar":"System
Classpath","/opt/cloudera/parcels/SPARK2-2.3.0.cloudera2-
1.cdh5.13.3.p0.316101/lib/spark2/jars/metrics-graphite-3.1.5.jar":"System
Classpath","/opt/cloudera/parcels/CDH-5.15.1-1.cdh5.15.1.p0.4/jars/hbase-annotations-1.2.0-
cdh5.15.1.jar":"System Classpath","/opt/cloudera/parcels/SPARK2-2.3.0.cloudera2-
1.cdh5.13.3.p0.316101/lib/spark2/jars/snappy-0.2.jar":"System
Classpath","/opt/cloudera/parcels/SPARK2-2.3.0.cloudera2-
```

```
1.cdh5.13.3.p0.316101/lib/spark2/jars/httpcore-4.4.8.jar":"System
Classpath","/opt/cloudera/parcels/SPARK2-2.3.0.cloudera2-
1.cdh5.13.3.p0.316101/lib/spark2/jars/jackson-xc-1.8.8.jar":"System
Classpath","/opt/cloudera/parcels/CDH-5.15.1-1.cdh5.15.1.p0.4/jars/curator-recipes-
2.7.1.jar": "System Classpath", "/opt/cloudera/parcels/SPARK2-2.3.0.cloudera2-
1.cdh5.13.3.p0.316101/lib/spark2/jars/jersey-container-servlet-2.22.2.jar":"System
Classpath","/opt/cloudera/parcels/SPARK2-2.3.0.cloudera2-
1.cdh5.13.3.p0.316101/lib/spark2/jars/spark-catalyst_2.11-2.3.0.cloudera2.jar":"System
Classpath","/opt/cloudera/parcels/SPARK2-2.3.0.cloudera2-
1.cdh5.13.3.p0.316101/lib/spark2/jars/json4s-core_2.11-3.2.11.jar":"System
Classpath","/opt/cloudera/parcels/CDH-5.15.1-1.cdh5.15.1.p0.4/jars/hbase-procedure-1.2.0-
cdh5.15.1.jar":"System Classpath","/opt/cloudera/parcels/CDH-5.15.1-1.cdh5.15.1.p0.4/jars/java-
xmlbuilder-0.4.jar":"System Classpath","/opt/cloudera/parcels/SPARK2-2.3.0.cloudera2-
1.cdh5.13.3.p0.316101/lib/spark2/jars/spark-core_2.11-2.3.0.cloudera2.jar":"System
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cdh5.15.1.jar":"System Classpath","/opt/cloudera/parcels/CDH-5.15.1-
1.cdh5.15.1.p0.4/jars/hadoop-azure-datalake-2.6.0-cdh5.15.1.jar":"System
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1.cdh5.13.3.p0.316101/lib/spark2/jars/compress-lzf-1.0.3.jar":"System
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1.cdh5.13.3.p0.316101/lib/spark2/jars/parquet-column-1.5.0-cdh5.13.3.jar":"System
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1.cdh5.13.3.p0.316101/lib/spark2/jars/spark-network-common_2.11-2.3.0.cloudera2.jar":"System
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1.cdh5.13.3.p0.316101/lib/spark2/jars/javax.ws.rs-api-2.0.1.jar":"System
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2.2.3.jar": "System Classpath", "/opt/cloudera/parcels/CDH-5.15.1-1.cdh5.15.1.p0.4/jars/httpclient-
4.2.5.jar": "System Classpath", "/opt/cloudera/parcels/CDH-5.15.1-1.cdh5.15.1.p0.4/jars/metrics-
core-2.2.0.jar":"System Classpath","/opt/cloudera/parcels/CDH-5.15.1-
1.cdh5.15.1.p0.4/jars/xmlenc-0.52.jar":"System Classpath","/opt/cloudera/parcels/SPARK2-
2.3.0.cloudera2-1.cdh5.13.3.p0.316101/lib/spark2/jars/minlog-1.3.0.jar":"System
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1.cdh5.13.3.p0.316101/lib/spark2/jars/gson-2.2.4.jar":"System
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1.cdh5.13.3.p0.316101/lib/spark2/jars/hppc-0.7.2.jar":"System
Classpath","/opt/cloudera/parcels/CDH-5.15.1-1.cdh5.15.1.p0.4/jars/jsch-0.1.42.jar":"System
Classpath","/opt/cloudera/parcels/CDH-5.15.1-1.cdh5.15.1.p0.4/jars/hadoop-auth-2.6.0-
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Classpath","/opt/cloudera/parcels/SPARK2-2.3.0.cloudera2-
1.cdh5.13.3.p0.316101/lib/spark2/jars/lz4-java-1.4.0.jar":"System
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1.cdh5.13.3.p0.316101/lib/spark2/jars/orc-core-1.4.1-nohive.jar":"System
Classpath","/opt/cloudera/parcels/SPARK2-2.3.0.cloudera2-
1.cdh5.13.3.p0.316101/lib/spark2/jars/scala-reflect-2.11.8.jar":"System
Classpath","/opt/cloudera/parcels/SPARK2-2.3.0.cloudera2-
1.cdh5.13.3.p0.316101/lib/spark2/jars/parquet-jackson-1.5.0-cdh5.13.3.jar":"System
```

```
Classpath","/opt/cloudera/parcels/CDH-5.15.1-1.cdh5.15.1.p0.4/jars/commons-math3-
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1.cdh5.13.3.p0.316101/lib/spark2/jars/jackson-module-scala_2.11-2.6.7.1.jar":"System
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1.cdh5.13.3.p0.316101/lib/spark2/jars/spire 2.11-0.13.0.jar":"System
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1.cdh5.13.3.p0.316101/lib/spark2/jars/janino-3.0.8.jar":"System
Classpath","/opt/cloudera/parcels/CDH-5.15.1-1.cdh5.15.1.p0.4/jars/htrace-core4-4.0.1-
incubating.jar": "System Classpath", "/opt/cloudera/parcels/CDH-5.15.1-1.cdh5.15.1.p0.4/jars/hbase-
resource-bundle-1.2.0-cdh5.15.1.jar": "System Classpath", "/opt/cloudera/parcels/SPARK2-
2.3.0.cloudera2-1.cdh5.13.3.p0.316101/lib/spark2/jars/spark-mllib-local_2.11-
2.3.0.cloudera2.jar":"System Classpath","/opt/cloudera/parcels/SPARK2-2.3.0.cloudera2-
1.cdh5.13.3.p0.316101/lib/spark2/jars/jackson-jaxrs-1.8.8.jar":"System
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core-2.6.0-cdh5.15.1.jar": "System Classpath", "/opt/cloudera/parcels/SPARK2-2.3.0.cloudera2-
1.cdh5.13.3.p0.316101/lib/spark2/jars/jackson-annotations-2.6.7.jar": "System
Classpath","/opt/cloudera/parcels/CDH-5.15.1-1.cdh5.15.1.p0.4/jars/hadoop-yarn-applications-
distributedshell-2.6.0-cdh5.15.1.jar":"System Classpath","/opt/cloudera/parcels/SPARK2-
2.3.0.cloudera2-1.cdh5.13.3.p0.316101/lib/spark2/jars/avro-1.7.6-cdh5.13.3.jar":"System
Classpath","/opt/cloudera/parcels/CDH-5.15.1-1.cdh5.15.1.p0.4/jars/hadoop-mapreduce-client-
jobclient-2.6.0-cdh5.15.1.jar": "System Classpath", "/opt/cloudera/parcels/CDH-5.15.1-
1.cdh5.15.1.p0.4/jars/guice-3.0.jar":"System Classpath","/opt/cloudera/parcels/SPARK2-
2.3.0.cloudera2-1.cdh5.13.3.p0.316101/lib/spark2/jars/aircompressor-0.8.jar":"System
Classpath","/opt/cloudera/parcels/SPARK2-2.3.0.cloudera2-
1.cdh5.13.3.p0.316101/lib/spark2/jars/avro-mapred-1.7.6-cdh5.13.3-hadoop2.jar":"System
Classpath","/opt/cloudera/parcels/CDH-5.15.1-1.cdh5.15.1.p0.4/jars/hadoop-aws-2.6.0-
cdh5.15.1.jar":"System Classpath","/opt/cloudera/parcels/CDH-5.15.1-1.cdh5.15.1.p0.4/jars/hue-
plugins-3.9.0-cdh5.15.1.jar":"System Classpath","/opt/cloudera/parcels/SPARK2-2.3.0.cloudera2-
1.cdh5.13.3.p0.316101/lib/spark2/jars/spark-yarn_2.11-2.3.0.cloudera2.jar":"System
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1.cdh5.13.3.p0.316101/lib/spark2/jars/netty-3.9.9.Final.jar":"System
Classpath","/usr/java/jdk1.8.0_161/lib/tools.jar":"System
Classpath","/opt/cloudera/parcels/SPARK2-2.3.0.cloudera2-
1.cdh5.13.3.p0.316101/lib/spark2/jars/javolution-5.5.1.jar":"System
Classpath","/opt/cloudera/parcels/SPARK2-2.3.0.cloudera2-
1.cdh5.13.3.p0.316101/lib/spark2/jars/commons-crypto-1.0.0.jar":"System
Classpath","/opt/cloudera/parcels/SPARK2-2.3.0.cloudera2-
1.cdh5.13.3.p0.316101/lib/spark2/jars/antlr-runtime-3.4.jar":"System
Classpath","/opt/cloudera/parcels/CDH-5.15.1-1.cdh5.15.1.p0.4/jars/hadoop-distcp-2.6.0-
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1.cdh5.13.3.p0.316101/lib/spark2/jars/hk2-api-2.4.0-b34.jar":"System
Classpath","/opt/cloudera/parcels/SPARK2-2.3.0.cloudera2-
1.cdh5.13.3.p0.316101/lib/spark2/jars/JavaEWAH-0.3.2.jar":"System
Classpath","/opt/cloudera/parcels/CDH-5.15.1-1.cdh5.15.1.p0.4/jars/spark-1.6.0-cdh5.15.1-yarn-
shuffle.jar": "System Classpath", "/opt/cloudera/parcels/SPARK2-2.3.0.cloudera2-
1.cdh5.13.3.p0.316101/lib/spark2/jars/spark-lineage 2.11-2.3.0.cloudera2.jar":"System
```

```
Classpath","/opt/cloudera/parcels/CDH-5.15.1-1.cdh5.15.1.p0.4/jars/xml-apis-1.3.04.jar":"System
Classpath","/opt/cloudera/parcels/CDH-5.15.1-1.cdh5.15.1.p0.4/jars/hadoop-hdfs-2.6.0-
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1.cdh5.15.1.p0.4/jars/hadoop-yarn-server-web-proxy-2.6.0-cdh5.15.1.jar":"System
Classpath","/opt/cloudera/parcels/SPARK2-2.3.0.cloudera2-
1.cdh5.13.3.p0.316101/lib/spark2/jars/mina-core-2.0.0-M5.jar":"System
Classpath","/opt/cloudera/parcels/CDH-5.15.1-1.cdh5.15.1.p0.4/jars/jettison-1.1.jar":"System
Classpath","/opt/cloudera/parcels/SPARK2-2.3.0.cloudera2-
1.cdh5.13.3.p0.316101/lib/spark2/jars/commons-lang-2.6.jar":"System
Classpath","/opt/cloudera/parcels/SPARK2-2.3.0.cloudera2-
1.cdh5.13.3.p0.316101/lib/spark2/jars/libfb303-0.9.3.jar":"System
Classpath","/opt/cloudera/parcels/SPARK2-2.3.0.cloudera2-
1.cdh5.13.3.p0.316101/lib/spark2/jars/spark-launcher_2.11-2.3.0.cloudera2.jar":"System
Classpath","/opt/cloudera/parcels/CDH-5.15.1-1.cdh5.15.1.p0.4/jars/jline-2.11.jar":"System
Classpath","/opt/cloudera/parcels/SPARK2-2.3.0.cloudera2-
1.cdh5.13.3.p0.316101/lib/spark2/jars/scala-xml_2.11-1.0.5.jar":"System
Classpath","/opt/cloudera/parcels/CDH-5.15.1-1.cdh5.15.1.p0.4/jars/stax-api-1.0-2.jar":"System
Classpath","/opt/cloudera/parcels/CDH-5.15.1-1.cdh5.15.1.p0.4/jars/hbase-client-1.2.0-
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1.cdh5.13.3.p0.316101/lib/spark2/jars/parquet-avro-1.5.0-cdh5.13.3.jar":"System
Classpath", "spark://ip-10-0-0-201.ec2.internal:36550/jars/sparkAssignmentRDD2-0.0.1-
SNAPSHOT.jar":"******(redacted)","/opt/cloudera/parcels/SPARK2-2.3.0.cloudera2-
1.cdh5.13.3.p0.316101/lib/spark2/jars/javassist-3.18.1-GA.jar":"System
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1.8.8.jar": "System Classpath", "/opt/cloudera/parcels/SPARK2-2.3.0.cloudera2-
1.cdh 5.13.3.p 0.316101/lib/spark 2/jars/jersey-guava-2.22.2.jar": "System" and the sum of the su
Classpath","/opt/cloudera/parcels/CDH-5.15.1-1.cdh5.15.1.p0.4/jars/commons-math-
2.1.jar":"System Classpath","/opt/cloudera/parcels/CDH-5.15.1-1.cdh5.15.1.p0.4/jars/netty-all-
4.0.23.Final.jar": "System Classpath", "/opt/cloudera/parcels/SPARK2-2.3.0.cloudera2-
1.cdh5.13.3.p0.316101/lib/spark2/jars/jcl-over-slf4j-1.7.5.jar":"System
Classpath","/opt/cloudera/parcels/CDH-5.15.1-1.cdh5.15.1.p0.4/jars/hbase-rest-1.2.0-
cdh5.15.1.jar":"System Classpath","/opt/cloudera/parcels/SPARK2-2.3.0.cloudera2-
1.cdh5.13.3.p0.316101/lib/spark2/jars/commons-codec-1.10.jar": "System
Classpath","/opt/cloudera/parcels/SPARK2-2.3.0.cloudera2-
1.cdh5.13.3.p0.316101/lib/spark2/jars/hive-serde-1.1.0-cdh5.13.3.jar":"System
Classpath","/opt/cloudera/parcels/CDH-5.15.1-1.cdh5.15.1.p0.4/jars/commons-digester-
1.8.jar":"System Classpath","/opt/cloudera/parcels/CDH-5.15.1-1.cdh5.15.1.p0.4/jars/api-asn1-api-
1.0.0-M20.jar":"System Classpath","/opt/cloudera/parcels/SPARK2-2.3.0.cloudera2-
1.cdh5.13.3.p0.316101/lib/spark2/jars/orc-mapreduce-1.4.1-nohive.jar":"System
Classpath","/opt/cloudera/parcels/SPARK2-2.3.0.cloudera2-
1.cdh5.13.3.p0.316101/lib/spark2/jars/jta-1.1.jar":"System
Classpath","/opt/cloudera/parcels/SPARK2-2.3.0.cloudera2-
1.cdh5.13.3.p0.316101/lib/spark2/jars/spark-streaming_2.11-2.3.0.cloudera2.jar":"System
Classpath","/opt/cloudera/parcels/SPARK2-2.3.0.cloudera2-
1.cdh5.13.3.p0.316101/lib/spark2/jars/commons-compiler-3.0.8.jar":"System
Classpath","/opt/cloudera/parcels/SPARK2-2.3.0.cloudera2-
1.cdh5.13.3.p0.316101/lib/spark2/jars/scalap-2.11.8.jar":"System
Classpath","/opt/cloudera/parcels/CDH-5.15.1-1.cdh5.15.1.p0.4/jars/hadoop-ant-2.6.0-
```

```
cdh5.15.1.jar":"System Classpath","/opt/cloudera/parcels/SPARK2-2.3.0.cloudera2-
1.cdh5.13.3.p0.316101/lib/spark2/jars/aopalliance-repackaged-2.4.0-b34.jar":"System
Classpath","/opt/cloudera/parcels/CDH-5.15.1-1.cdh5.15.1.p0.4/jars/slf4j-log4j12-1.7.5.jar":"System
Classpath","/opt/cloudera/parcels/SPARK2-2.3.0.cloudera2-
1.cdh5.13.3.p0.316101/lib/spark2/jars/flume-ng-configuration-1.6.0-cdh5.13.3.jar": "System
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Classpath","/opt/cloudera/parcels/SPARK2-2.3.0.cloudera2-
1.cdh5.13.3.p0.316101/lib/spark2/jars/shapeless_2.11-2.3.2.jar":"System
Classpath","/opt/cloudera/parcels/CDH-5.15.1-1.cdh5.15.1.p0.4/jars/slf4j-api-1.7.5.jar":"System
Classpath","/opt/cloudera/parcels/SPARK2-2.3.0.cloudera2-
1.cdh5.13.3.p0.316101/lib/spark2/jars/arrow-format-0.8.0.jar":"System
Classpath","/opt/cloudera/parcels/SPARK2-2.3.0.cloudera2-
1.cdh5.13.3.p0.316101/lib/spark2/jars/breeze-macros_2.11-0.13.2.jar":"System
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1.cdh5.13.3.p0.316101/lib/spark2/jars/commons-io-2.4.jar":"System
Classpath","/opt/cloudera/parcels/SPARK2-2.3.0.cloudera2-
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1.cdh5.13.3.p0.316101/lib/spark2/jars/antlr4-runtime-4.7.jar":"System
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1.cdh5.13.3.p0.316101/lib/spark2/jars/javax.servlet-api-3.1.0.jar":"System
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1.cdh5.13.3.p0.316101/lib/spark2/jars/parquet-common-1.5.0-cdh5.13.3.jar":"System
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1.cdh5.13.3.p0.316101/lib/spark2/jars/xz-1.0.jar":"System
Classpath","/opt/cloudera/parcels/SPARK2-2.3.0.cloudera2-
1.cdh5.13.3.p0.316101/lib/spark2/jars/jersey-media-jaxb-2.22.2.jar":"System
Classpath","/opt/cloudera/parcels/SPARK2-2.3.0.cloudera2-
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1.cdh5.13.3.p0.316101/lib/spark2/jars/osgi-resource-locator-1.0.1.jar":"System
Classpath","/opt/cloudera/parcels/SPARK2-2.3.0.cloudera2-
1.cdh5.13.3.p0.316101/lib/spark2/jars/objenesis-2.1.jar":"System
Classpath","/opt/cloudera/parcels/CDH-5.15.1-1.cdh5.15.1.p0.4/jars/snappy-java-
1.0.4.1.jar": "System Classpath", "/opt/cloudera/parcels/SPARK2-2.3.0.cloudera2-
1.cdh5.13.3.p0.316101/lib/spark2/jars/commons-logging-1.1.3.jar":"System
Classpath","/opt/cloudera/parcels/SPARK2-2.3.0.cloudera2-
1.cdh5.13.3.p0.316101/lib/spark2/jars/calcite-linq4j-1.0.0-incubating.jar":"System
Classpath","/opt/cloudera/parcels/SPARK2-2.3.0.cloudera2-
1.cdh5.13.3.p0.316101/lib/spark2/jars/joda-time-2.9.3.jar":"System
Classpath","/opt/cloudera/parcels/SPARK2-2.3.0.cloudera2-
1.cdh5.13.3.p0.316101/lib/spark2/jars/machinist 2.11-0.6.1.jar":"System
Classpath","/opt/cloudera/parcels/SPARK2-2.3.0.cloudera2-
1.cdh 5.13.3.p 0.316101/lib/spark 2/jars/log redactor - 1.0.3.jar": "System" and the state of 
Classpath","/opt/cloudera/parcels/CDH-5.15.1-1.cdh5.15.1.p0.4/jars/hamcrest-core-
1.3.jar": "System Classpath", "/opt/cloudera/parcels/SPARK2-2.3.0.cloudera2-
1.cdh5.13.3.p0.316101/lib/spark2/jars/parquet-hadoop-1.5.0-cdh5.13.3.jar":"System
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```

```
1.cdh5.13.3.p0.316101/lib/spark2/jars/avro-ipc-1.7.6-cdh5.13.3.jar":"System
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1.cdh5.13.3.p0.316101/lib/spark2/jars/hive-shims-scheduler-1.1.0-cdh5.13.3.jar":"System
Classpath","/opt/cloudera/parcels/CDH-5.15.1-1.cdh5.15.1.p0.4/jars/mockito-all-1.8.5.jar":"System
Classpath","/opt/cloudera/parcels/CDH-5.15.1-1.cdh5.15.1.p0.4/jars/hbase-shell-1.2.0-
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1.cdh5.15.1.p0.4/jars/hadoop-azure-2.6.0-cdh5.15.1.jar":"System
Classpath","/opt/cloudera/parcels/SPARK2-2.3.0.cloudera2-
1.cdh5.13.3.p0.316101/lib/spark2/conf/":"System Classpath","/opt/cloudera/parcels/SPARK2-
2.3.0.cloudera2-1.cdh5.13.3.p0.316101/lib/spark2/jars/hive-shims-0.23-1.1.0-
cdh5.13.3.jar": "System Classpath", "/opt/cloudera/parcels/CDH-5.15.1-
1.cdh5.15.1.p0.4/lib/hadoop/NOTICE.txt":"System Classpath","/opt/cloudera/parcels/SPARK2-
2.3.0.cloudera2-1.cdh5.13.3.p0.316101/lib/spark2/jars/jtransforms-2.4.0.jar":"System
Classpath","/opt/cloudera/parcels/CDH-5.15.1-1.cdh5.15.1.p0.4/jars/activation-1.1.jar":"System
Classpath","/opt/cloudera/parcels/SPARK2-2.3.0.cloudera2-
1.cdh5.13.3.p0.316101/lib/spark2/kafka-0.9/lz4-1.3.0.jar":"System
Classpath","/opt/cloudera/parcels/CDH-5.15.1-1.cdh5.15.1.p0.4/jars/commons-codec-
1.9.jar":"System Classpath","/opt/cloudera/parcels/CDH-5.15.1-1.cdh5.15.1.p0.4/jars/paranamer-
2.3.jar": "System Classpath", "/opt/cloudera/parcels/SPARK2-2.3.0.cloudera2-
1.cdh5.13.3.p0.316101/lib/spark2/jars/parquet-format-2.1.0-cdh5.13.3.jar":"System
Classpath","/opt/cloudera/parcels/CDH-5.15.1-1.cdh5.15.1.p0.4/jars/hbase-it-1.2.0-
cdh5.15.1.jar":"System Classpath","/opt/cloudera/parcels/CDH-5.15.1-1.cdh5.15.1.p0.4/jars/hbase-
external-blockcache-1.2.0-cdh5.15.1.jar": "System Classpath", "/opt/cloudera/parcels/CDH-5.15.1-
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Classpath","/opt/cloudera/parcels/SPARK2-2.3.0.cloudera2-
1.cdh5.13.3.p0.316101/lib/spark2/jars/hive-shims-common-1.1.0-cdh5.13.3.jar":"System
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1.cdh5.13.3.p0.316101/lib/spark2/jars/commons-pool-1.5.4.jar":"System
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Classpath","/opt/cloudera/parcels/CDH-5.15.1-1.cdh5.15.1.p0.4/jars/apacheds-i18n-2.0.0-
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2.6.0-cdh5.15.1.jar":"System Classpath","/opt/cloudera/parcels/CDH-5.15.1-
1.cdh5.15.1.p0.4/jars/jsr305-3.0.0.jar":"System Classpath","/opt/cloudera/parcels/CDH-5.15.1-
1.cdh5.15.1.p0.4/jars/curator-client-2.7.1.jar":"System Classpath","/opt/cloudera/parcels/CDH-
5.15.1-1.cdh5.15.1.p0.4/jars/guava-12.0.1.jar": "System Classpath", "/opt/cloudera/parcels/SPARK2-
2.3.0.cloudera2-1.cdh5.13.3.p0.316101/lib/spark2/jars/spark-hive-exec 2.11-
2.3.0.cloudera2.jar": "System Classpath", "/opt/cloudera/parcels/SPARK2-2.3.0.cloudera2-
1.cdh 5.13.3.p 0.316101/lib/spark 2/jars/zstd-jni-1.3.2-2.jar": "System" and the state of the 
Classpath","/opt/cloudera/parcels/SPARK2-2.3.0.cloudera2-
1.cdh5.13.3.p0.316101/lib/spark2/jars/commons-compress-1.4.1.jar":"System
Classpath","/opt/cloudera/parcels/SPARK2-2.3.0.cloudera2-
1.cdh5.13.3.p0.316101/lib/spark2/jars/bonecp-0.7.1.RELEASE.jar":"System
```

Classpath","/opt/cloudera/parcels/SPARK2-2.3.0.cloudera2-

```
1.cdh5.13.3.p0.316101/lib/spark2/jars/metrics-jvm-3.1.5.jar":"System
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1.cdh5.13.3.p0.316101/lib/spark2/jars/datanucleus-rdbms-3.2.9.jar":"System
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1.cdh5.13.3.p0.316101/lib/spark2/jars/parquet-hadoop-bundle-1.5.0-cdh5.13.3.jar":"System
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Classpath","/opt/cloudera/parcels/CDH-5.15.1-1.cdh5.15.1.p0.4/jars/hbase-server-1.2.0-
cdh5.15.1.jar":"System Classpath","/opt/cloudera/parcels/SPARK2-2.3.0.cloudera2-
1.cdh5.13.3.p0.316101/lib/spark2/jars/json4s-ast_2.11-3.2.11.jar":"System
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1.cdh5.13.3.p0.316101/lib/spark2/jars/flume-ng-core-1.6.0-cdh5.13.3.jar":"System
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1.cdh5.13.3.p0.316101/lib/spark2/jars/jersey-common-2.22.2.jar":"System
Classpath","/opt/cloudera/parcels/CDH-5.15.1-1.cdh5.15.1.p0.4/jars/disruptor-3.3.0.jar":"System
Classpath","/opt/cloudera/parcels/CDH-5.15.1-1.cdh5.15.1.p0.4/jars/avro-1.7.6-
cdh5.15.1.jar":"System Classpath","/opt/cloudera/parcels/SPARK2-2.3.0.cloudera2-
1.cdh5.13.3.p0.316101/lib/spark2/jars/scala-compiler-2.11.8.jar":"System
Classpath","/opt/cloudera/parcels/SPARK2-2.3.0.cloudera2-
1.cdh5.13.3.p0.316101/lib/spark2/jars/py4j-0.10.6.jar":"System
Classpath","/opt/cloudera/parcels/CDH-5.15.1-1.cdh5.15.1.p0.4/jars/log4j-1.2.16.jar":"System
Classpath","/opt/cloudera/parcels/CDH-5.15.1-1.cdh5.15.1.p0.4/jars/jasper-compiler-
5.5.23.jar": "System Classpath", "/opt/cloudera/parcels/SPARK2-2.3.0.cloudera2-
1.cdh5.13.3.p0.316101/lib/spark2/jars/jetty-util-6.1.26.cloudera.4.jar":"System
Classpath","/opt/cloudera/parcels/SPARK2-2.3.0.cloudera2-
1.cdh5.13.3.p0.316101/lib/spark2/jars/chill 2.11-0.8.0.jar":"System
Classpath","/opt/cloudera/parcels/SPARK2-2.3.0.cloudera2-
1.cdh5.13.3.p0.316101/lib/spark2/jars/hive-metastore-1.1.0-cdh5.13.3.jar":"System
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cdh5.15.1.jar":"System Classpath","/opt/cloudera/parcels/CDH-5.15.1-
1.cdh5.15.1.p0.4/jars/hadoop-archives-2.6.0-cdh5.15.1.jar":"System
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Classpath","/opt/cloudera/parcels/SPARK2-2.3.0.cloudera2-
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Method)\nsun.reflect.NativeMethodAccessorImpl.invoke(NativeMethodAccessorImpl.java:62)\nsun.reflect.DelegatingMethodAccessorImpl.invoke(DelegatingMethodAccessorImpl.java:43)\njava.lang.reflect.DelegatingMethod.invoke(Method.java:498)\norg.apache.spark.deploy.JavaMainApplication.start(Spark Application.scala:52)\norg.apache.spark.deploy.SparkSubmit\$.org\$apache\$spark\$deploy\$SparkSubmit\$\$runMain(SparkSubmit.scala:892)\norg.apache.spark.deploy.SparkSubmit\$.doRunMain\$1(SparkSubmit.scala:197)\norg.apache.spark.deploy.SparkSubmit\$.submit(SparkSubmit.scala:227)\norg.apache.spark.deploy.SparkSubmit.scala:136

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Method)\nsun.reflect.NativeMethodAccessorImpl.invoke(NativeMethodAccessorImpl.java:62)\nsun.reflect.DelegatingMethodAccessorImpl.invoke(DelegatingMethodAccessorImpl.java:43)\njava.lang.reflect.DelegatingMethod.invoke(Method.java:498)\norg.apache.spark.deploy.JavaMainApplication.start(Spark Application.scala:52)\norg.apache.spark.deploy.SparkSubmit\$.org\$apache\$spark\$deploy\$SparkSubmit\$\$runMain(SparkSubmit.scala:892)\norg.apache.spark.deploy.SparkSubmit\$.doRunMain\$1(SparkSubmit.scala:197)\norg.apache.spark.deploy.SparkSubmit\$.submit(SparkSubmit.scala:227)\norg.apache.spark.deploy.SparkSubmit.scala:136

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{"Event":"SparkListenerBlockManagerAdded","Block Manager ID":{"Executor ID":"1","Host":"ip-10-0-0-201.ec2.internal","Port":45265},"Maximum

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Values":true},{"ID":3,"Name":"internal.metrics.executorCpuTime","Update":3038446296,"Value":30936761755,"Internal":true,"Count Failed

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Values":true},{"ID":4,"Name":"internal.metrics.resultSize","Update":795,"Value":12892,"Internal":true,"Count Failed

Values":true},{"ID":3,"Name":"internal.metrics.executorCpuTime","Update":2569966369,"Value":49 351478149,"Internal":true,"Count Failed

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{"Event":"SparkListenerTaskEnd","Stage ID":0,"Stage Attempt ID":0,"Task Type":"ResultTask","Task End Reason":{"Reason":"Success"},"Task Info":{"Task ID":16,"Index":16,"Attempt":0,"Launch Time":1561374468880,"Executor ID":"3","Host":"ip-10-0-0-

201.ec2.internal","Locality":"NODE\_LOCAL","Speculative":false,"Getting Result Time":0,"Finish Time":1561374471930,"Failed":false,"Killed":false,"Accumulables":[{"ID":22,"Name":"internal.metrics.input.recordsRead","Update":1521715,"Value":25956104,"Internal":true,"Count Failed Values":true},{"ID":21,"Name":"internal.metrics.input.bytesRead","Update":134283264,"Value":228 9610324,"Internal":true,"Count Failed

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Values":true},{"ID":4,"Name":"internal.metrics.resultSize","Update":795,"Value":14482,"Internal":tr

ue,"Count Failed

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Values":true},{"ID":2,"Name":"internal.metrics.executorRunTime","Update":3005,"Value":64720,"Internal":true,"Count Failed

Values":true},{"ID":1,"Name":"internal.metrics.executorDeserializeCpuTime","Update":4522852,"Value":2205673197,"Internal":true,"Count Failed

Values":true},{"ID":0,"Name":"internal.metrics.executorDeserializeTime","Update":5,"Value":5163,"Internal":true,"Count Failed Values":true}]},"Task Metrics":{"Executor Deserialize Time":5,"Executor Deserialize CPU Time":4522852,"Executor Run Time":3005,"Executor CPU

Time":2878870211,"Result Size":795,"JVM GC Time":49,"Result Serialization Time":0,"Memory Bytes Spilled":0,"Disk Bytes Spilled":0,"Shuffle Read Metrics":{"Remote Blocks Fetched":0,"Local Blocks Fetched":0,"Fetch Wait Time":0,"Remote Bytes Read":0,"Remote Bytes Read To Disk":0,"Local Bytes Read":0,"Total Records Read":0},"Shuffle Write Metrics":{"Shuffle Bytes Written":0,"Shuffle Write Time":0,"Shuffle Records Written":0},"Input Metrics":{"Bytes Read":134283264,"Records Read":1521715},"Output Metrics":{"Bytes Written":0,"Records Written":0},"Updated Blocks":[]}}

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{"Event":"SparkListenerTaskEnd","Stage ID":0,"Stage Attempt ID":0,"Task Type":"ResultTask","Task End Reason":{"Reason":"Success"},"Task Info":{"Task ID":18,"Index":18,"Attempt":0,"Launch Time":1561374470429,"Executor ID":"2","Host":"ip-10-0-0-

201.ec2.internal","Locality":"NODE\_LOCAL","Speculative":false,"Getting Result Time":0,"Finish Time":1561374473110,"Failed":false,"Killed":false,"Accumulables":[{"ID":22,"Name":"internal.metrics.input.recordsRead","Update":1520517,"Value":27476621,"Internal":true,"Count Failed Values":true},{"ID":21,"Name":"internal.metrics.input.bytesRead","Update":134283264,"Value":242 3893588,"Internal":true,"Count Failed

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Values":true},{"ID":4,"Name":"internal.metrics.resultSize","Update":795,"Value":15277,"Internal":true,"Count Failed

Values":true},{"ID":3,"Name":"internal.metrics.executorCpuTime","Update":2594651801,"Value":56 861861000,"Internal":true,"Count Failed

Values":true},{"ID":2,"Name":"internal.metrics.executorRunTime","Update":2659,"Value":67379,"Internal":true,"Count Failed

Values":true},{"ID":1,"Name":"internal.metrics.executorDeserializeCpuTime","Update":2603739,"Value":2208276936,"Internal":true,"Count Failed

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Time":2594651801,"Result Size":795,"JVM GC Time":29,"Result Serialization Time":0,"Memory Bytes Spilled":0,"Disk Bytes Spilled":0,"Shuffle Read Metrics":{"Remote Blocks Fetched":0,"Local Blocks Fetched":0,"Fetch Wait Time":0,"Remote Bytes Read":0,"Remote Bytes Read To Disk":0,"Local Bytes Read":0,"Total Records Read":0,"Shuffle Write Metrics":{"Shuffle Bytes Written":0,"Shuffle Write Time":0,"Shuffle Records Written":0},"Input Metrics":{"Bytes Read":134283264,"Records Read":1520517},"Output Metrics":{"Bytes Written":0,"Records Written":0},"Updated Blocks":[]}}

{"Event":"SparkListenerTaskStart","Stage ID":0,"Stage Attempt ID":0,"Task Info":{"Task ID":22,"Index":22,"Attempt":0,"Launch Time":1561374474750,"Executor ID":"1","Host":"ip-10-0-0-201.ec2.internal","Locality":"NODE\_LOCAL","Speculative":false,"Getting Result Time":0,"Finish Time":0,"Failed":false,"Killed":false,"Accumulables":[]}}

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201.ec2.internal","Locality":"NODE\_LOCAL","Speculative":false,"Getting Result Time":0,"Finish Time":1561374474751,"Failed":false,"Killed":false,"Accumulables":[{"ID":22,"Name":"internal.metrics.input.recordsRead","Update":1522176,"Value":28998797,"Internal":true,"Count Failed Values":true},{"ID":21,"Name":"internal.metrics.input.bytesRead","Update":134283264,"Value":2558176852,"Internal":true,"Count Failed

Values":true},{"ID":5,"Name":"internal.metrics.jvmGCTime","Update":37,"Value":2215,"Internal":true, "Count Failed":2215,"Internal":true, "Count Failed":true, "Count F

Values":true},{"ID":4,"Name":"internal.metrics.resultSize","Update":795,"Value":16072,"Internal":true,"Count Failed

Values":true},{"ID":3,"Name":"internal.metrics.executorCpuTime","Update":3141254056,"Value":60 003115056,"Internal":true,"Count Failed

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{"Event":"SparkListenerTaskStart","Stage ID":0,"Stage Attempt ID":0,"Task Info":{"Task ID":23,"Index":23,"Attempt":0,"Launch Time":1561374474823,"Executor ID":"3","Host":"ip-10-0-0-201.ec2.internal","Locality":"NODE\_LOCAL","Speculative":false,"Getting Result Time":0,"Finish Time":0,"Failed":false,"Killed":false,"Accumulables":[]}}

{"Event":"SparkListenerTaskEnd","Stage ID":0,"Stage Attempt ID":0,"Task Type":"ResultTask","Task End Reason":{"Reason":"Success"},"Task Info":{"Task ID":20,"Index":20,"Attempt":0,"Launch Time":1561374471924,"Executor ID":"3","Host":"ip-10-0-0-

201.ec2.internal","Locality":"NODE\_LOCAL","Speculative":false,"Getting Result Time":0,"Finish Time":1561374474825,"Failed":false,"Killed":false,"Accumulables":[{"ID":22,"Name":"internal.metrics.input.recordsRead","Update":1521191,"Value":30519988,"Internal":true,"Count Failed Values":true},{"ID":21,"Name":"internal.metrics.input.bytesRead","Update":134283264,"Value":269 2460116,"Internal":true,"Count Failed

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ue,"Count Failed

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{"Event":"SparkListenerTaskStart","Stage ID":0,"Stage Attempt ID":0,"Task Info":{"Task ID":24,"Index":24,"Attempt":0,"Launch Time":1561374475491,"Executor ID":"2","Host":"ip-10-0-0-201.ec2.internal","Locality":"NODE\_LOCAL","Speculative":false,"Getting Result Time":0,"Finish Time":0,"Failed":false,"Killed":false,"Accumulables":[]}}

{"Event":"SparkListenerTaskEnd","Stage ID":0,"Stage Attempt ID":0,"Task Type":"ResultTask","Task End Reason":{"Reason":"Success"},"Task Info":{"Task ID":21,"Index":21,"Attempt":0,"Launch Time":1561374473109,"Executor ID":"2","Host":"ip-10-0-0-

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{"Event":"SparkListenerTaskStart","Stage ID":0,"Stage Attempt ID":0,"Task Info":{"Task ID":25,"Index":25,"Attempt":0,"Launch Time":1561374476971,"Executor ID":"2","Host":"ip-10-0-0-201.ec2.internal","Locality":"NODE\_LOCAL","Speculative":false,"Getting Result Time":0,"Finish Time":0,"Failed":false,"Killed":false,"Accumulables":[]}}

{"Event":"SparkListenerTaskEnd","Stage ID":0,"Stage Attempt ID":0,"Task Type":"ResultTask","Task End Reason":{"Reason":"Success"},"Task Info":{"Task ID":24,"Index":24,"Attempt":0,"Launch Time":1561374475491,"Executor ID":"2","Host":"ip-10-0-0-

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Values":true},{"ID":5,"Name":"internal.metrics.jvmGCTime","Update":9,"Value":2273,"Internal":true, "Count Failed

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Values":true},{"ID":2,"Name":"internal.metrics.executorRunTime","Update":1459,"Value":77314,"Internal":true,"Count Failed

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{"Event":"SparkListenerTaskEnd","Stage ID":0,"Stage Attempt ID":0,"Task Type":"ResultTask","Task End Reason":{"Reason":"Success"},"Task Info":{"Task ID":22,"Index":22,"Attempt":0,"Launch Time":1561374474750,"Executor ID":"1","Host":"ip-10-0-0-

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ue,"Count Failed

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{"Event":"SparkListenerTaskStart","Stage ID":0,"Stage Attempt ID":0,"Task Info":{"Task ID":27,"Index":27,"Attempt":0,"Launch Time":1561374478162,"Executor ID":"3","Host":"ip-10-0-0-201.ec2.internal","Locality":"NODE\_LOCAL","Speculative":false,"Getting Result Time":0,"Finish Time":0,"Failed":false,"Killed":false,"Accumulables":[]}}

{"Event":"SparkListenerTaskEnd","Stage ID":0,"Stage Attempt ID":0,"Task Type":"ResultTask","Task End Reason":{"Reason":"Success"},"Task Info":{"Task ID":23,"Index":23,"Attempt":0,"Launch Time":1561374474823,"Executor ID":"3","Host":"ip-10-0-0-

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Values":true},{"ID":2,"Name":"internal.metrics.executorRunTime","Update":3312,"Value":83030,"Internal":true,"Count Failed

Values":true},{"ID":1,"Name":"internal.metrics.executorDeserializeCpuTime","Update":3755783,"Value":2228514761,"Internal":true,"Count Failed

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Time":3202071704,"Result Size":795,"JVM GC Time":23,"Result Serialization Time":0,"Memory Bytes Spilled":0,"Disk Bytes Spilled":0,"Shuffle Read Metrics":{"Remote Blocks Fetched":0,"Local Blocks Fetched":0,"Fetch Wait Time":0,"Remote Bytes Read":0,"Remote Bytes Read To Disk":0,"Local Bytes Read":0,"Total Records Read":0,"Shuffle Write Metrics":{"Shuffle Bytes Written":0,"Shuffle Write Time":0,"Shuffle Records Written":0},"Input Metrics":{"Bytes Read":134283264,"Records Read":1520584},"Output Metrics":{"Bytes Written":0,"Records Written":0},"Updated Blocks":[]}}

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{"Event":"SparkListenerTaskEnd","Stage ID":0,"Stage Attempt ID":0,"Task Type":"ResultTask","Task End Reason":{"Reason":"Success"},"Task Info":{"Task ID":26,"Index":26,"Attempt":0,"Launch Time":1561374477177,"Executor ID":"1","Host":"ip-10-0-0-

201.ec2.internal","Locality":"NODE\_LOCAL","Speculative":false,"Getting Result Time":0,"Finish Time":1561374480203,"Failed":false,"Killed":false,"Accumulables":[{"ID":22,"Name":"internal.metrics.input.recordsRead","Update":1519816,"Value":37244737,"Internal":true,"Count Failed Values":true},{"ID":21,"Name":"internal.metrics.input.bytesRead","Update":134283264,"Value":328 6281654,"Internal":true,"Count Failed

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Values":true},{"ID":4,"Name":"internal.metrics.resultSize","Update":795,"Value":20842,"Internal":true,"Count Failed

Values":true},{"ID":3,"Name":"internal.metrics.executorCpuTime","Update":2779434767,"Value":74 611747179,"Internal":true,"Count Failed

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{"Event":"SparkListenerTaskEnd","Stage ID":0,"Stage Attempt ID":0,"Task Type":"ResultTask","Task End Reason":{"Reason":"Success"},"Task Info":{"Task ID":25,"Index":25,"Attempt":0,"Launch Time":1561374476971,"Executor ID":"2","Host":"ip-10-0-0-

201.ec2.internal","Locality":"NODE\_LOCAL","Speculative":false,"Getting Result Time":0,"Finish Time":1561374480321,"Failed":false,"Killed":false,"Accumulables":[{"ID":22,"Name":"internal.metrics.input.recordsRead","Update":1520515,"Value":38765252,"Internal":true,"Count Failed Values":true},{"ID":21,"Name":"internal.metrics.input.bytesRead","Update":134283264,"Value":342 0564918,"Internal":true,"Count Failed

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Values":true},{"ID":4,"Name":"internal.metrics.resultSize","Update":795,"Value":21637,"Internal":tr

ue,"Count Failed

Values":true},{"ID":3,"Name":"internal.metrics.executorCpuTime","Update":3177963084,"Value":77 789710263,"Internal":true,"Count Failed

Values":true},{"ID":2,"Name":"internal.metrics.executorRunTime","Update":3324,"Value":89345,"Internal":true,"Count Failed

Values":true},{"ID":1,"Name":"internal.metrics.executorDeserializeCpuTime","Update":2728434,"Value":2233741184,"Internal":true,"Count Failed

Values":true},{"ID":0,"Name":"internal.metrics.executorDeserializeTime","Update":3,"Value":5193,"Internal":true,"Count Failed Values":true}]},"Task Metrics":{"Executor Deserialize Time":3,"Executor Deserialize CPU Time":2728434,"Executor Run Time":3324,"Executor CPU

Time":3177963084,"Result Size":795,"JVM GC Time":27,"Result Serialization Time":0,"Memory Bytes Spilled":0,"Disk Bytes Spilled":0,"Shuffle Read Metrics":{"Remote Blocks Fetched":0,"Local Blocks Fetched":0,"Fetch Wait Time":0,"Remote Bytes Read":0,"Remote Bytes Read To Disk":0,"Local Bytes Read":0,"Total Records Read":0},"Shuffle Write Metrics":{"Shuffle Bytes Written":0,"Shuffle Write Time":0,"Shuffle Records Written":0},"Input Metrics":{"Bytes Read":134283264,"Records Read":1520515},"Output Metrics":{"Bytes Written":0,"Records Written":0},"Updated Blocks":[]}}

{"Event":"SparkListenerTaskStart","Stage ID":0,"Stage Attempt ID":0,"Task Info":{"Task ID":30,"Index":30,"Attempt":0,"Launch Time":1561374480790,"Executor ID":"3","Host":"ip-10-0-0-201.ec2.internal","Locality":"NODE\_LOCAL","Speculative":false,"Getting Result Time":0,"Finish Time":0,"Failed":false,"Killed":false,"Accumulables":[]}}

{"Event":"SparkListenerTaskEnd","Stage ID":0,"Stage Attempt ID":0,"Task Type":"ResultTask","Task End Reason":{"Reason":"Success"},"Task Info":{"Task ID":27,"Index":27,"Attempt":0,"Launch Time":1561374478162,"Executor ID":"3","Host":"ip-10-0-0-

201.ec2.internal","Locality":"NODE\_LOCAL","Speculative":false,"Getting Result Time":0,"Finish Time":1561374480791,"Failed":false,"Killed":false,"Accumulables":[{"ID":22,"Name":"internal.metrics.input.recordsRead","Update":1520900,"Value":40286152,"Internal":true,"Count Failed Values":true},{"ID":21,"Name":"internal.metrics.input.bytesRead","Update":134283264,"Value":3554848182,"Internal":true,"Count Failed

Values":true},{"ID":5,"Name":"internal.metrics.jvmGCTime","Update":34,"Value":2420,"Internal":true, "Count Failed":420,"Internal":true, "Count Failed":true, "Coun

Values":true},{"ID":4,"Name":"internal.metrics.resultSize","Update":795,"Value":22432,"Internal":true,"Count Failed

Values":true},{"ID":3,"Name":"internal.metrics.executorCpuTime","Update":2364042046,"Value":80 153752309,"Internal":true,"Count Failed

Values":true},{"ID":2,"Name":"internal.metrics.executorRunTime","Update":2602,"Value":91947,"Internal":true,"Count Failed

Values":true},{"ID":1,"Name":"internal.metrics.executorDeserializeCpuTime","Update":2856960,"Value":2236598144,"Internal":true,"Count Failed

Values":true},{"ID":0,"Name":"internal.metrics.executorDeserializeTime","Update":4,"Value":5197,"Internal":true,"Count Failed Values":true}]},"Task Metrics":{"Executor Deserialize Time":4,"Executor Deserialize CPU Time":2856960,"Executor Run Time":2602,"Executor CPU

Time":2364042046,"Result Size":795,"JVM GC Time":34,"Result Serialization Time":0,"Memory Bytes Spilled":0,"Disk Bytes Spilled":0,"Shuffle Read Metrics":{"Remote Blocks Fetched":0,"Local Blocks Fetched":0,"Fetch Wait Time":0,"Remote Bytes Read":0,"Remote Bytes Read To Disk":0,"Local Bytes Read":0,"Total Records Read":0,"Shuffle Write Metrics":{"Shuffle Bytes Written":0,"Shuffle Write Time":0,"Shuffle Records Written":0},"Input Metrics":{"Bytes Read":134283264,"Records Read":1520900},"Output Metrics":{"Bytes Written":0,"Records Written":0},"Updated Blocks":[]}}

{"Event":"SparkListenerTaskStart","Stage ID":0,"Stage Attempt ID":0,"Task Info":{"Task ID":31,"Index":31,"Attempt":0,"Launch Time":1561374482753,"Executor ID":"3","Host":"ip-10-0-0-201.ec2.internal","Locality":"NODE\_LOCAL","Speculative":false,"Getting Result Time":0,"Finish Time":0,"Failed":false,"Killed":false,"Accumulables":[]}}

{"Event":"SparkListenerTaskEnd","Stage ID":0,"Stage Attempt ID":0,"Task Type":"ResultTask","Task End Reason":{"Reason":"Success"},"Task Info":{"Task ID":30,"Index":30,"Attempt":0,"Launch Time":1561374480790,"Executor ID":"3","Host":"ip-10-0-0-

201.ec2.internal","Locality":"NODE\_LOCAL","Speculative":false,"Getting Result Time":0,"Finish Time":1561374482754,"Failed":false,"Killed":false,"Accumulables":[{"ID":22,"Name":"internal.metrics.input.recordsRead","Update":1522227,"Value":41808379,"Internal":true,"Count Failed Values":true},{"ID":21,"Name":"internal.metrics.input.bytesRead","Update":134283264,"Value":368 9131446,"Internal":true,"Count Failed

Values":true},{"ID":5,"Name":"internal.metrics.jvmGCTime","Update":19,"Value":2439,"Internal":true, "Count Failed":19,"Value":2439,"Internal":true, "Count Failed":19,"Value":19,"Val

Values":true},{"ID":4,"Name":"internal.metrics.resultSize","Update":795,"Value":23227,"Internal":true,"Count Failed

Values":true},{"ID":3,"Name":"internal.metrics.executorCpuTime","Update":1891047314,"Value":82 044799623,"Internal":true,"Count Failed

Values":true},{"ID":2,"Name":"internal.metrics.executorRunTime","Update":1941,"Value":93888,"Internal":true,"Count Failed

Values":true},{"ID":1,"Name":"internal.metrics.executorDeserializeCpuTime","Update":2306206,"Value":2238904350,"Internal":true,"Count Failed

Values":true},{"ID":0,"Name":"internal.metrics.executorDeserializeTime","Update":2,"Value":5199,"Internal":true,"Count Failed Values":true}]},"Task Metrics":{"Executor Deserialize Time":2,"Executor Deserialize CPU Time":2306206,"Executor Run Time":1941,"Executor CPU

Time":1891047314,"Result Size":795,"JVM GC Time":19,"Result Serialization Time":0,"Memory Bytes Spilled":0,"Disk Bytes Spilled":0,"Shuffle Read Metrics":{"Remote Blocks Fetched":0,"Local Blocks Fetched":0,"Fetch Wait Time":0,"Remote Bytes Read":0,"Remote Bytes Read To Disk":0,"Local Bytes Read":0,"Total Records Read":0},"Shuffle Write Metrics":{"Shuffle Bytes Written":0,"Shuffle Write Time":0,"Shuffle Records Written":0},"Input Metrics":{"Bytes Read":134283264,"Records Read":1522227},"Output Metrics":{"Bytes Written":0,"Records Written":0},"Updated Blocks":[]}}

{"Event":"SparkListenerTaskStart","Stage ID":0,"Stage Attempt ID":0,"Task Info":{"Task ID":32,"Index":32,"Attempt":0,"Launch Time":1561374482996,"Executor ID":"3","Host":"ip-10-0-0-201.ec2.internal","Locality":"NODE\_LOCAL","Speculative":false,"Getting Result Time":0,"Finish Time":0,"Failed":false,"Killed":false,"Accumulables":[]}}

{"Event":"SparkListenerTaskEnd","Stage ID":0,"Stage Attempt ID":0,"Task Type":"ResultTask","Task End Reason":{"Reason":"Success"},"Task Info":{"Task ID":31,"Index":31,"Attempt":0,"Launch Time":1561374482753,"Executor ID":"3","Host":"ip-10-0-0-

201.ec2.internal","Locality":"NODE\_LOCAL","Speculative":false,"Getting Result Time":0,"Finish Time":1561374482997,"Failed":false,"Killed":false,"Accumulables":[{"ID":22,"Name":"internal.metrics.input.recordsRead","Update":155972,"Value":41964351,"Internal":true,"Count Failed Values":true},{"ID":21,"Name":"internal.metrics.input.bytesRead","Update":13877504,"Value":3703 008950,"Internal":true,"Count Failed

Values":true},{"ID":5,"Name":"internal.metrics.jvmGCTime","Update":2,"Value":2441,"Internal":true, "Count Failed

Values":true},{"ID":4,"Name":"internal.metrics.resultSize","Update":795,"Value":24022,"Internal":tr

ue,"Count Failed

Values":true},{"ID":3,"Name":"internal.metrics.executorCpuTime","Update":202591814,"Value":822 47391437,"Internal":true,"Count Failed

Values":true},{"ID":2,"Name":"internal.metrics.executorRunTime","Update":213,"Value":94101,"Internal":true,"Count Failed

Values":true},{"ID":1,"Name":"internal.metrics.executorDeserializeCpuTime","Update":2458057,"Value":2241362407,"Internal":true,"Count Failed

Values":true},{"ID":0,"Name":"internal.metrics.executorDeserializeTime","Update":4,"Value":5203,"I nternal":true,"Count Failed Values":true}]},"Task Metrics":{"Executor Deserialize Time":4,"Executor Deserialize CPU Time":2458057,"Executor Run Time":213,"Executor CPU Time":202591814,"Result Size":795,"JVM GC Time":2,"Result Serialization Time":0,"Memory Bytes Spilled":0,"Disk Bytes Spilled":0,"Shuffle Read Metrics":{"Remote Blocks Fetched":0,"Local Blocks Fetched":0,"Fetch Wait Time":0,"Remote Bytes Read":0,"Remote Bytes Read To Disk":0,"Local Bytes Read":0,"Total Records Read":0},"Shuffle Write Metrics":{"Shuffle Bytes Written":0,"Shuffle Write Time":0,"Shuffle Records Written":0},"Input Metrics":{"Bytes Read":13877504,"Records Read":155972},"Output Metrics":{"Bytes Written":0,"Records Written":0},"Updated Blocks":[]}}

{"Event":"SparkListenerTaskStart","Stage ID":0,"Stage Attempt ID":0,"Task Info":{"Task ID":33,"Index":33,"Attempt":0,"Launch Time":1561374483742,"Executor ID":"2","Host":"ip-10-0-0-201.ec2.internal","Locality":"NODE\_LOCAL","Speculative":false,"Getting Result Time":0,"Finish Time":0,"Failed":false,"Killed":false,"Accumulables":[]}}

{"Event":"SparkListenerTaskEnd","Stage ID":0,"Stage Attempt ID":0,"Task Type":"ResultTask","Task End Reason":{"Reason":"Success"},"Task Info":{"Task ID":29,"Index":29,"Attempt":0,"Launch Time":1561374480315,"Executor ID":"2","Host":"ip-10-0-0-

201.ec2.internal","Locality":"NODE\_LOCAL","Speculative":false,"Getting Result Time":0,"Finish Time":1561374483743,"Failed":false,"Killed":false,"Accumulables":[{"ID":22,"Name":"internal.metrics.input.recordsRead","Update":1525606,"Value":43489957,"Internal":true,"Count Failed Values":true},{"ID":21,"Name":"internal.metrics.input.bytesRead","Update":134283264,"Value":383 7292214,"Internal":true,"Count Failed

Values":true},{"ID":5,"Name":"internal.metrics.jvmGCTime","Update":28,"Value":2469,"Internal":true, "Count Failed":28,"Value":2469,"Internal":true, "Count Failed":28,"Value":28,

Values":true},{"ID":4,"Name":"internal.metrics.resultSize","Update":795,"Value":24817,"Internal":true,"Count Failed

Values":true},{"ID":3,"Name":"internal.metrics.executorCpuTime","Update":3276789360,"Value":85 524180797,"Internal":true,"Count Failed

Values":true},{"ID":2,"Name":"internal.metrics.executorRunTime","Update":3368,"Value":97469,"Internal":true,"Count Failed

Values":true},{"ID":1,"Name":"internal.metrics.executorDeserializeCpuTime","Update":2482324,"Value":2243844731,"Internal":true,"Count Failed

Values":true},{"ID":0,"Name":"internal.metrics.executorDeserializeTime","Update":3,"Value":5206,"Internal":true,"Count Failed Values":true}]},"Task Metrics":{"Executor Deserialize Time":3,"Executor Deserialize CPU Time":2482324,"Executor Run Time":3368,"Executor CPU

Time":3276789360,"Result Size":795,"JVM GC Time":28,"Result Serialization Time":0,"Memory Bytes Spilled":0,"Disk Bytes Spilled":0,"Shuffle Read Metrics":{"Remote Blocks Fetched":0,"Local Blocks Fetched":0,"Fetch Wait Time":0,"Remote Bytes Read":0,"Remote Bytes Read To Disk":0,"Local Bytes Read":0,"Total Records Read":0,"Shuffle Write Metrics":{"Shuffle Bytes Written":0,"Shuffle Write Time":0,"Shuffle Records Written":0},"Input Metrics":{"Bytes Read":134283264,"Records Read":1525606},"Output Metrics":{"Bytes Written":0,"Records Written":0},"Updated Blocks":[]}}

{"Event":"SparkListenerTaskStart","Stage ID":0,"Stage Attempt ID":0,"Task Info":{"Task ID":34,"Index":34,"Attempt":0,"Launch Time":1561374483773,"Executor ID":"1","Host":"ip-10-0-0-201.ec2.internal","Locality":"NODE\_LOCAL","Speculative":false,"Getting Result Time":0,"Finish Time":0,"Failed":false,"Killed":false,"Accumulables":[]}}

{"Event":"SparkListenerTaskEnd","Stage ID":0,"Stage Attempt ID":0,"Task Type":"ResultTask","Task End Reason":{"Reason":"Success"},"Task Info":{"Task ID":28,"Index":28,"Attempt":0,"Launch Time":1561374480194,"Executor ID":"1","Host":"ip-10-0-0-

201.ec2.internal","Locality":"NODE\_LOCAL","Speculative":false,"Getting Result Time":0,"Finish Time":1561374483774,"Failed":false,"Killed":false,"Accumulables":[{"ID":22,"Name":"internal.metrics.input.recordsRead","Update":1519769,"Value":45009726,"Internal":true,"Count Failed Values":true},{"ID":21,"Name":"internal.metrics.input.bytesRead","Update":134283264,"Value":397 1575478,"Internal":true,"Count Failed

Values":true},{"ID":5,"Name":"internal.metrics.jvmGCTime","Update":28,"Value":2497,"Internal":true, "Count Failed":28,"Value":2497,"Internal":true, "Count Failed":28,"Value":28,"Valu

Values":true},{"ID":4,"Name":"internal.metrics.resultSize","Update":795,"Value":25612,"Internal":true,"Count Failed

Values":true},{"ID":3,"Name":"internal.metrics.executorCpuTime","Update":3379869542,"Value":88 904050339,"Internal":true,"Count Failed

Values":true},{"ID":2,"Name":"internal.metrics.executorRunTime","Update":3546,"Value":101015,"Internal":true,"Count Failed

Values":true},{"ID":1,"Name":"internal.metrics.executorDeserializeCpuTime","Update":2744418,"Value":2246589149,"Internal":true,"Count Failed

Values":true},{"ID":0,"Name":"internal.metrics.executorDeserializeTime","Update":3,"Value":5209,"Internal":true,"Count Failed Values":true}]},"Task Metrics":{"Executor Deserialize Time":3,"Executor Deserialize CPU Time":2744418,"Executor Run Time":3546,"Executor CPU

Time":3379869542,"Result Size":795,"JVM GC Time":28,"Result Serialization Time":0,"Memory Bytes Spilled":0,"Disk Bytes Spilled":0,"Shuffle Read Metrics":{"Remote Blocks Fetched":0,"Local Blocks Fetched":0,"Fetch Wait Time":0,"Remote Bytes Read":0,"Remote Bytes Read To Disk":0,"Local Bytes Read":0,"Total Records Read":0},"Shuffle Write Metrics":{"Shuffle Bytes Written":0,"Shuffle Write Time":0,"Shuffle Records Written":0},"Input Metrics":{"Bytes Read":134283264,"Records Read":1519769},"Output Metrics":{"Bytes Written":0,"Records Written":0},"Updated Blocks":[]}}

{"Event":"SparkListenerTaskStart","Stage ID":0,"Stage Attempt ID":0,"Task Info":{"Task ID":35,"Index":35,"Attempt":0,"Launch Time":1561374485867,"Executor ID":"2","Host":"ip-10-0-0-201.ec2.internal","Locality":"NODE\_LOCAL","Speculative":false,"Getting Result Time":0,"Finish Time":0,"Failed":false,"Killed":false,"Accumulables":[]}}

{"Event":"SparkListenerTaskEnd","Stage ID":0,"Stage Attempt ID":0,"Task Type":"ResultTask","Task End Reason":{"Reason":"Success"},"Task Info":{"Task ID":33,"Index":33,"Attempt":0,"Launch Time":1561374483742,"Executor ID":"2","Host":"ip-10-0-0-

201.ec2.internal","Locality":"NODE\_LOCAL","Speculative":false,"Getting Result Time":0,"Finish Time":1561374485870,"Failed":false,"Killed":false,"Accumulables":[{"ID":22,"Name":"internal.metrics.input.recordsRead","Update":1518046,"Value":46527772,"Internal":true,"Count Failed Values":true},{"ID":21,"Name":"internal.metrics.input.bytesRead","Update":134283264,"Value":410 5858742,"Internal":true,"Count Failed

Values":true},{"ID":5,"Name":"internal.metrics.jvmGCTime","Update":22,"Value":2519,"Internal":true, "Count Failed":2519,"Internal":true, "Count Failed":1519,"Internal":true, "Count Failed":True, "Count Failed":True, "Count Failed":true, "Count Failed":True, "Count Faile

Values":true},{"ID":4,"Name":"internal.metrics.resultSize","Update":795,"Value":26407,"Internal":tr

ue,"Count Failed

Values":true},{"ID":3,"Name":"internal.metrics.executorCpuTime","Update":2053302397,"Value":90 957352736,"Internal":true,"Count Failed

Values":true},{"ID":2,"Name":"internal.metrics.executorRunTime","Update":2114,"Value":103129,"Internal":true,"Count Failed

Values":true},{"ID":1,"Name":"internal.metrics.executorDeserializeCpuTime","Update":2104734,"Value":2248693883,"Internal":true,"Count Failed

Values":true},{"ID":0,"Name":"internal.metrics.executorDeserializeTime","Update":1,"Value":5210,"Internal":true,"Count Failed Values":true}]},"Task Metrics":{"Executor Deserialize Time":1,"Executor Deserialize CPU Time":2104734,"Executor Run Time":2114,"Executor CPU

Time":2053302397,"Result Size":795,"JVM GC Time":22,"Result Serialization Time":0,"Memory Bytes Spilled":0,"Disk Bytes Spilled":0,"Shuffle Read Metrics":{"Remote Blocks Fetched":0,"Local Blocks Fetched":0,"Fetch Wait Time":0,"Remote Bytes Read":0,"Remote Bytes Read To Disk":0,"Local Bytes Read":0,"Total Records Read":0},"Shuffle Write Metrics":{"Shuffle Bytes Written":0,"Shuffle Write Time":0,"Shuffle Records Written":0},"Input Metrics":{"Bytes Read":134283264,"Records Read":1518046},"Output Metrics":{"Bytes Written":0,"Records Written":0},"Updated Blocks":[]}}

{"Event":"SparkListenerTaskStart","Stage ID":0,"Stage Attempt ID":0,"Task Info":{"Task ID":36,"Index":36,"Attempt":0,"Launch Time":1561374486124,"Executor ID":"3","Host":"ip-10-0-0-201.ec2.internal","Locality":"NODE\_LOCAL","Speculative":false,"Getting Result Time":0,"Finish Time":0,"Failed":false,"Killed":false,"Accumulables":[]}}

{"Event":"SparkListenerTaskEnd","Stage ID":0,"Stage Attempt ID":0,"Task Type":"ResultTask","Task End Reason":{"Reason":"Success"},"Task Info":{"Task ID":32,"Index":32,"Attempt":0,"Launch Time":1561374482996,"Executor ID":"3","Host":"ip-10-0-0-

201.ec2.internal","Locality":"NODE\_LOCAL","Speculative":false,"Getting Result Time":0,"Finish Time":1561374486125,"Failed":false,"Killed":false,"Accumulables":[{"ID":22,"Name":"internal.metrics.input.recordsRead","Update":1521660,"Value":48049432,"Internal":true,"Count Failed Values":true},{"ID":21,"Name":"internal.metrics.input.bytesRead","Update":134283264,"Value":424 0142006,"Internal":true,"Count Failed

Values":true},{"ID":5,"Name":"internal.metrics.jvmGCTime","Update":20,"Value":2539,"Internal":true, "Count Failed":2539,"Internal":true

Values":true},{"ID":4,"Name":"internal.metrics.resultSize","Update":795,"Value":27202,"Internal":true,"Count Failed

Values":true},{"ID":3,"Name":"internal.metrics.executorCpuTime","Update":2960075045,"Value":93 917427781,"Internal":true,"Count Failed

Values":true},{"ID":2,"Name":"internal.metrics.executorRunTime","Update":3113,"Value":106242,"Internal":true,"Count Failed

Values":true},{"ID":1,"Name":"internal.metrics.executorDeserializeCpuTime","Update":2078470,"Value":2250772353,"Internal":true,"Count Failed

Values":true},{"ID":0,"Name":"internal.metrics.executorDeserializeTime","Update":1,"Value":5211,"Internal":true,"Count Failed Values":true}]},"Task Metrics":{"Executor Deserialize Time":1,"Executor Deserialize CPU Time":2078470,"Executor Run Time":3113,"Executor CPU

Time":2960075045,"Result Size":795,"JVM GC Time":20,"Result Serialization Time":0,"Memory Bytes Spilled":0,"Disk Bytes Spilled":0,"Shuffle Read Metrics":{"Remote Blocks Fetched":0,"Local Blocks Fetched":0,"Fetch Wait Time":0,"Remote Bytes Read":0,"Remote Bytes Read To Disk":0,"Local Bytes Read":0,"Total Records Read":0,"Shuffle Write Metrics":{"Shuffle Bytes Written":0,"Shuffle Write Time":0,"Shuffle Records Written":0},"Input Metrics":{"Bytes Read":134283264,"Records Read":1521660},"Output Metrics":{"Bytes Written":0,"Records Written":0},"Updated Blocks":[]}}

{"Event":"SparkListenerTaskStart","Stage ID":0,"Stage Attempt ID":0,"Task Info":{"Task ID":37,"Index":37,"Attempt":0,"Launch Time":1561374487214,"Executor ID":"1","Host":"ip-10-0-0-201.ec2.internal","Locality":"NODE\_LOCAL","Speculative":false,"Getting Result Time":0,"Finish Time":0,"Failed":false,"Killed":false,"Accumulables":[]}}

{"Event":"SparkListenerTaskEnd","Stage ID":0,"Stage Attempt ID":0,"Task Type":"ResultTask","Task End Reason":{"Reason":"Success"},"Task Info":{"Task ID":34,"Index":34,"Attempt":0,"Launch Time":1561374483773,"Executor ID":"1","Host":"ip-10-0-0-

201.ec2.internal","Locality":"NODE\_LOCAL","Speculative":false,"Getting Result Time":0,"Finish Time":1561374487225,"Failed":false,"Killed":false,"Accumulables":[{"ID":22,"Name":"internal.metrics.input.recordsRead","Update":1520301,"Value":49569733,"Internal":true,"Count Failed Values":true},{"ID":21,"Name":"internal.metrics.input.bytesRead","Update":134283264,"Value":4374425270,"Internal":true,"Count Failed

Values":true},{"ID":5,"Name":"internal.metrics.jvmGCTime","Update":33,"Value":2572,"Internal":true, "Count Failed":133,"Value":2572,"Internal":true, "Count Failed":133,"Value":135,"Value":

Values":true},{"ID":4,"Name":"internal.metrics.resultSize","Update":795,"Value":27997,"Internal":true,"Count Failed

Values":true},{"ID":3,"Name":"internal.metrics.executorCpuTime","Update":3292468785,"Value":97 209896566,"Internal":true,"Count Failed

Values":true},{"ID":2,"Name":"internal.metrics.executorRunTime","Update":3414,"Value":109656,"Internal":true,"Count Failed

Values":true},{"ID":1,"Name":"internal.metrics.executorDeserializeCpuTime","Update":2511764,"Value":2253284117,"Internal":true,"Count Failed

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{"Event":"SparkListenerTaskStart","Stage ID":0,"Stage Attempt ID":0,"Task Info":{"Task ID":38,"Index":38,"Attempt":0,"Launch Time":1561374488698,"Executor ID":"2","Host":"ip-10-0-0-201.ec2.internal","Locality":"NODE\_LOCAL","Speculative":false,"Getting Result Time":0,"Finish Time":0,"Failed":false,"Killed":false,"Accumulables":[]}}

{"Event":"SparkListenerTaskEnd","Stage ID":0,"Stage Attempt ID":0,"Task Type":"ResultTask","Task End Reason":{"Reason":"Success"},"Task Info":{"Task ID":35,"Index":35,"Attempt":0,"Launch Time":1561374485867,"Executor ID":"2","Host":"ip-10-0-0-

201.ec2.internal","Locality":"NODE\_LOCAL","Speculative":false,"Getting Result Time":0,"Finish Time":1561374488700,"Failed":false,"Killed":false,"Accumulables":[{"ID":22,"Name":"internal.metrics.input.recordsRead","Update":1519543,"Value":51089276,"Internal":true,"Count Failed Values":true},{"ID":21,"Name":"internal.metrics.input.bytesRead","Update":134283264,"Value":450 8708534,"Internal":true,"Count Failed

Values":true},{"ID":5,"Name":"internal.metrics.jvmGCTime","Update":28,"Value":2600,"Internal":true, "Count Failed":28,"Value":2600,"Internal":true, "Count Failed":28,"Value":2600,"Internal":true, "Count Failed":28,"Value":2600,"Internal":true, "Count Failed":28,"Value":2600,"Internal":true, "Count Failed":28,"Value":2600,"Internal":true, "Count Failed":28,"Value":2600,"Internal":true, "Count Failed":2600,"Internal":true, "Count Failed":1600,"Internal":true, "Count Failed":1600,"Internal"

Values":true},{"ID":4,"Name":"internal.metrics.resultSize","Update":795,"Value":28792,"Internal":tr

ue,"Count Failed

Values":true},{"ID":3,"Name":"internal.metrics.executorCpuTime","Update":2691460886,"Value":99 901357452,"Internal":true,"Count Failed

Values":true},{"ID":2,"Name":"internal.metrics.executorRunTime","Update":2811,"Value":112467,"Internal":true,"Count Failed

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Time":2691460886,"Result Size":795,"JVM GC Time":28,"Result Serialization Time":0,"Memory Bytes Spilled":0,"Disk Bytes Spilled":0,"Shuffle Read Metrics":{"Remote Blocks Fetched":0,"Local Blocks Fetched":0,"Fetch Wait Time":0,"Remote Bytes Read":0,"Remote Bytes Read To Disk":0,"Local Bytes Read":0,"Total Records Read":0},"Shuffle Write Metrics":{"Shuffle Bytes Written":0,"Shuffle Write Time":0,"Shuffle Records Written":0},"Input Metrics":{"Bytes Read":134283264,"Records Read":1519543},"Output Metrics":{"Bytes Written":0,"Records Written":0},"Updated Blocks":[]}}

{"Event":"SparkListenerTaskEnd","Stage ID":0,"Stage Attempt ID":0,"Task Type":"ResultTask","Task End Reason":{"Reason":"Success"},"Task Info":{"Task ID":36,"Index":36,"Attempt":0,"Launch Time":1561374486124,"Executor ID":"3","Host":"ip-10-0-0-

201.ec2.internal","Locality":"NODE\_LOCAL","Speculative":false,"Getting Result Time":0,"Finish Time":1561374488821,"Failed":false,"Killed":false,"Accumulables":[{"ID":22,"Name":"internal.metrics.input.recordsRead","Update":1524323,"Value":52613599,"Internal":true,"Count Failed Values":true},{"ID":21,"Name":"internal.metrics.input.bytesRead","Update":134283264,"Value":464 2991798,"Internal":true,"Count Failed

Values":true},{"ID":5,"Name":"internal.metrics.jvmGCTime","Update":24,"Value":2624,"Internal":true, "Count Failed":2624,"Internal":true, "Count Failed":true, "Count F

Values":true},{"ID":4,"Name":"internal.metrics.resultSize","Update":795,"Value":29587,"Internal":true,"Count Failed

Values":true},{"ID":3,"Name":"internal.metrics.executorCpuTime","Update":2571119762,"Value":10 2472477214,"Internal":true,"Count Failed

Values":true},{"ID":2,"Name":"internal.metrics.executorRunTime","Update":2679,"Value":115146,"Internal":true,"Count Failed

Values":true},{"ID":1,"Name":"internal.metrics.executorDeserializeCpuTime","Update":1886867,"Value":2257280178,"Internal":true,"Count Failed

Values":true},{"ID":0,"Name":"internal.metrics.executorDeserializeTime","Update":1,"Value":5217,"Internal":true,"Count Failed Values":true}]},"Task Metrics":{"Executor Deserialize Time":1,"Executor Deserialize CPU Time":1886867,"Executor Run Time":2679,"Executor CPU

Time":2571119762,"Result Size":795,"JVM GC Time":24,"Result Serialization Time":0,"Memory Bytes Spilled":0,"Disk Bytes Spilled":0,"Shuffle Read Metrics":{"Remote Blocks Fetched":0,"Local Blocks Fetched":0,"Fetch Wait Time":0,"Remote Bytes Read":0,"Remote Bytes Read To Disk":0,"Local Bytes Read":0,"Total Records Read":0,"Shuffle Write Metrics":{"Shuffle Bytes Written":0,"Shuffle Write Time":0,"Shuffle Records Written":0},"Input Metrics":{"Bytes Read":134283264,"Records Read":1524323},"Output Metrics":{"Bytes Written":0,"Records Written":0},"Updated Blocks":[]}}

{"Event":"SparkListenerTaskEnd","Stage ID":0,"Stage Attempt ID":0,"Task Type":"ResultTask","Task End Reason":{"Reason":"Success"},"Task Info":{"Task ID":38,"Index":38,"Attempt":0,"Launch Time":1561374488698,"Executor ID":"2","Host":"ip-10-0-0-

201.ec2.internal","Locality":"NODE\_LOCAL","Speculative":false,"Getting Result Time":0,"Finish

Time":1561374489262,"Failed":false,"Killed":false,"Accumulables":[{"ID":22,"Name":"internal.metrics.input.recordsRead","Update":373599,"Value":52987198,"Internal":true,"Count Failed Values":true},{"ID":21,"Name":"internal.metrics.input.bytesRead","Update":32783040,"Value":4675774838,"Internal":true,"Count Failed

Values":true},{"ID":5,"Name":"internal.metrics.jvmGCTime","Update":2,"Value":2626,"Internal":true, "Count Failed

Values":true},{"ID":4,"Name":"internal.metrics.resultSize","Update":795,"Value":30382,"Internal":true,"Count Failed

Values":true},{"ID":3,"Name":"internal.metrics.executorCpuTime","Update":503078085,"Value":102 975555299,"Internal":true,"Count Failed

Values":true},{"ID":2,"Name":"internal.metrics.executorRunTime","Update":531,"Value":115677,"Internal":true,"Count Failed

Values":true},{"ID":1,"Name":"internal.metrics.executorDeserializeCpuTime","Update":2937936,"Value":2260218114,"Internal":true,"Count Failed

Values":true},{"ID":0,"Name":"internal.metrics.executorDeserializeTime","Update":2,"Value":5219,"I nternal":true,"Count Failed Values":true}]},"Task Metrics":{"Executor Deserialize Time":2,"Executor Deserialize CPU Time":2937936,"Executor Run Time":531,"Executor CPU Time":503078085,"Result Size":795,"JVM GC Time":2,"Result Serialization Time":0,"Memory Bytes Spilled":0,"Disk Bytes Spilled":0,"Shuffle Read Metrics":{"Remote Blocks Fetched":0,"Local Blocks Fetched":0,"Fetch Wait Time":0,"Remote Bytes Read":0,"Remote Bytes Read To Disk":0,"Local Bytes Read":0,"Total Records Read":0},"Shuffle Write Metrics":{"Shuffle Bytes Written":0,"Shuffle Write Time":0,"Shuffle Records Written":0},"Input Metrics":{"Bytes Read":32783040,"Records Read":373599},"Output Metrics":{"Bytes Written":0,"Records Written":0},"Updated Blocks":[]}}

{"Event":"SparkListenerTaskEnd","Stage ID":0,"Stage Attempt ID":0,"Task Type":"ResultTask","Task End Reason":{"Reason":"Success"},"Task Info":{"Task ID":37,"Index":37,"Attempt":0,"Launch Time":1561374487214,"Executor ID":"1","Host":"ip-10-0-0-

201.ec2.internal","Locality":"NODE\_LOCAL","Speculative":false,"Getting Result Time":0,"Finish Time":1561374489849,"Failed":false,"Killed":false,"Accumulables":[{"ID":22,"Name":"internal.metrics.input.recordsRead","Update":1530806,"Value":54518004,"Internal":true,"Count Failed Values":true},{"ID":21,"Name":"internal.metrics.input.bytesRead","Update":134283264,"Value":481 0058102,"Internal":true,"Count Failed

Values":true},{"ID":5,"Name":"internal.metrics.jvmGCTime","Update":31,"Value":2657,"Internal":true, "Count Failed":10, "Count F

Values":true},{"ID":4,"Name":"internal.metrics.resultSize","Update":795,"Value":31177,"Internal":true,"Count Failed

Values":true},{"ID":3,"Name":"internal.metrics.executorCpuTime","Update":2502837708,"Value":10 5478393007,"Internal":true,"Count Failed

Values":true},{"ID":2,"Name":"internal.metrics.executorRunTime","Update":2619,"Value":118296,"Internal":true,"Count Failed

Values":true},{"ID":1,"Name":"internal.metrics.executorDeserializeCpuTime","Update":2303529,"Value":2262521643,"Internal":true,"Count Failed

Values":true},{"ID":0,"Name":"internal.metrics.executorDeserializeTime","Update":3,"Value":5222,"Internal":true,"Count Failed Values":true}]},"Task Metrics":{"Executor Deserialize Time":3,"Executor Deserialize CPU Time":2303529,"Executor Run Time":2619,"Executor CPU

Time":2502837708,"Result Size":795,"JVM GC Time":31,"Result Serialization Time":0,"Memory Bytes Spilled":0,"Disk Bytes Spilled":0,"Shuffle Read Metrics":{"Remote Blocks Fetched":0,"Local Blocks Fetched":0,"Fetch Wait Time":0,"Remote Bytes Read":0,"Remote Bytes Read To Disk":0,"Local Bytes

Read":0,"Total Records Read":0},"Shuffle Write Metrics":{"Shuffle Bytes Written":0,"Shuffle Write Time":0,"Shuffle Records Written":0},"Input Metrics":{"Bytes Read":134283264,"Records Read":1530806},"Output Metrics":{"Bytes Written":0,"Records Written":0},"Updated Blocks":[]}}

{"Event":"SparkListenerStageCompleted", "Stage Info":{"Stage ID":0, "Stage Attempt ID":0, "Stage Name":"foreach at saprkRDD2.java:43", "Number of Tasks":39, "RDD Info":[{"RDD ID":2, "Name":"MapPartitionsRDD", "Scope":"{\"id\":\"1\",\"name\":\"filter\"}", "Callsite":"filter at saprkRDD2.java:28", "Parent IDs":[1], "Storage Level":{"Use Disk":false, "Use Memory":false, "Deserialized":false, "Replication":1}, "Number of Partitions":39, "Number of Cached Partitions":0, "Memory Size":0, "Disk Size":0}, {"RDD ID":0, "Name":"/user/ec2-user/spark\_assignment/input2/yellow\_tripdata\_\*", "Scope":"{\"id\":\"0\",\"name\":\"textFile\"}", "Callsite":"textFile at saprkRDD2.java:26", "Parent IDs":[], "Storage Level":{"Use Disk":false, "Use Memory":false, "Deserialized":false, "Replication":1}, "Number of Partitions":39, "Number of Cached Partitions":0, "Memory Size":0, "Disk Size":0}, {"RDD ID":1, "Name":"/user/ec2-user/spark\_assignment/input2/yellow\_tripdata\_\*", "Scope":"{\"id\":\"0\",\"name\":\"textFile\"}", "Callsite":"textFile at saprkRDD2.java:26", "Parent IDs":[0], "Storage Level":{"Use Disk":false, "Use Memory":false, "Deserialized":false, "Replication":1}, "Number of Partitions":39, "Number of Cached Partitions":0, "Memory Size":0, "Disk Size":0}], "Parent

IDs":[],"Details":"org.apache.spark.api.java.AbstractJavaRDDLike.foreach(JavaRDDLike.scala:45)\nsparkAssignmentRDD2.saprkRDD2.main(saprkRDD2.java:43)\nsun.reflect.NativeMethodAccessorImpl.invoke0(Native

Method)\nsun.reflect.NativeMethodAccessorImpl.invoke(NativeMethodAccessorImpl.java:62)\nsun. reflect.DelegatingMethodAccessorImpl.invoke(DelegatingMethodAccessorImpl.java:43)\njava.lang.r eflect.Method.invoke(Method.java:498)\norg.apache.spark.deploy.JavaMainApplication.start(Spark Application.scala:52)\norg.apache.spark.deploy.SparkSubmit\$.org\$apache\$spark\$deploy\$SparkSubmit\$\$runMain(SparkSubmit.scala:892)\norg.apache.spark.deploy.SparkSubmit\$.doRunMain\$1(SparkSubmit.scala:197)\norg.apache.spark.deploy.SparkSubmit\$.submit(SparkSubmit.scala:227)\norg.apache.spark.deploy.SparkSubmit.scala:136)\norg.apache.spark.deploy.SparkSubmit.main(SparkSubmit.scala:136)\norg.apache.spark.deploy.SparkSubmit.main(SparkSubmit.scala)","Submission Time":1561374439950,"Completion

Time":1561374489851,"Accumulables":[{"ID":2,"Name":"internal.metrics.executorRunTime","Value ":118296,"Internal":true,"Count Failed

Values":true},{"ID":5,"Name":"internal.metrics.jvmGCTime","Value":2657,"Internal":true,"Count Failed

Values":true},{"ID":22,"Name":"internal.metrics.input.recordsRead","Value":54518004,"Internal":true, "Count Failed"

Values":true},{"ID":4,"Name":"internal.metrics.resultSize","Value":31177,"Internal":true,"Count Failed

Values":true},{"ID":1,"Name":"internal.metrics.executorDeserializeCpuTime","Value":2262521643,"Internal":true,"Count Failed

Values":true},{"ID":21,"Name":"internal.metrics.input.bytesRead","Value":4810058102,"Internal":true,"Count Failed

Values":true},{"ID":3,"Name":"internal.metrics.executorCpuTime","Value":105478393007,"Internal": true,"Count Failed

Values":true},{"ID":6,"Name":"internal.metrics.resultSerializationTime","Value":7,"Internal":true,"Count Failed

Values":true},{"ID":0,"Name":"internal.metrics.executorDeserializeTime","Value":5222,"Internal":true, "Count Failed Values":true}]}}

{"Event":"SparkListenerJobEnd","Job ID":0,"Completion Time":1561374489857,"Job Result":{"Result":"JobSucceeded"}}

{"Event":"SparkListenerJobStart","Job ID":1,"Submission Time":1561374489944,"Stage Infos":[{"Stage ID":1,"Stage Attempt ID":0,"Stage Name":"runJob at SparkHadoopWriter.scala:78","Number of Tasks":39,"RDD Info":[{"RDD ID":3,"Name":"MapPartitionsRDD","Scope":"{\"id\":\"6\",\"name\":\"saveAsTextFile\"}","Callsite":"s aveAsTextFile at saprkRDD2.java:46","Parent IDs":[2],"Storage Level":{"Use Disk":false,"Use Memory":false,"Deserialized":false,"Replication":1},"Number of Partitions":39,"Number of Cached Partitions":0,"Memory Size":0,"Disk Size":0},{"RDD ID":0,"Name":"/user/ec2user/spark\_assignment/input2/yellow\_tripdata\_\*","Scope":"{\"id\":\"0\",\"name\":\"textFile\"}","C allsite": "textFile at saprkRDD2.java:26", "Parent IDs":[], "Storage Level": {"Use Disk":false, "Use Memory":false,"Deserialized":false,"Replication":1},"Number of Partitions":39,"Number of Cached Partitions":0,"Memory Size":0,"Disk Size":0},{"RDD ID":1,"Name":"/user/ec2user/spark\_assignment/input2/yellow\_tripdata\_\*","Scope":"{\"id\":\"0\",\"name\":\"textFile\"}","C allsite": "textFile at saprkRDD2.java:26", "Parent IDs":[0], "Storage Level": {"Use Disk":false, "Use Memory":false,"Deserialized":false,"Replication":1},"Number of Partitions":39,"Number of Cached Partitions":0,"Memory Size":0,"Disk Size":0},{"RDD ID":2,"Name":"MapPartitionsRDD","Scope":"{\"id\":\"1\",\"name\":\"filter\"}","Callsite":"filter at saprkRDD2.java:28","Parent IDs":[1],"Storage Level":{"Use Disk":false,"Use Memory":false,"Deserialized":false,"Replication":1},"Number of Partitions":39,"Number of Cached Partitions":0,"Memory Size":0,"Disk Size":0}],"Parent IDs":[],"Details":"org.apache.spark.SparkContext.runJob(SparkContext.scala:2080)\norg.apache.spar k.internal.io.SparkHadoopWriter\$.write(SparkHadoopWriter.scala:78)\norg.apache.spark.rdd.PairRD DFunctions\$\$anonfun\$saveAsHadoopDataset\$1.apply\$mcV\$sp(PairRDDFunctions.scala:1096)\norg. apache.spark.rdd.PairRDDFunctions\$\$anonfun\$saveAsHadoopDataset\$1.apply(PairRDDFunctions.sc ala:1094)\norg.apache.spark.rdd.PairRDDFunctions\$\$anonfun\$saveAsHadoopDataset\$1.apply(PairR pe.scala:151)\norg.apache.spark.rdd.RDDOperationScope\$.withScope(RDDOperationScope.scala:11 2)\norg.apache.spark.rdd.RDD.withScope(RDD.scala:363)\norg.apache.spark.rdd.PairRDDFunctions.s aveAsHadoopDataset(PairRDDFunctions.scala:1094)\norg.apache.spark.rdd.PairRDDFunctions\$\$ano nfun\$saveAsHadoopFile\$4.apply\$mcV\$sp(PairRDDFunctions.scala:1067)\norg.apache.spark.rdd.Pair RDDFunctions\$\$anonfun\$saveAsHadoopFile\$4.apply(PairRDDFunctions.scala:1032)\norg.apache.sp ark.rdd.PairRDDFunctions\$\$anonfun\$saveAsHadoopFile\$4.apply(PairRDDFunctions.scala:1032)\norg .apache.spark.rdd.RDDOperationScope\$.withScope(RDDOperationScope.scala:151)\norg.apache.spa rk.rdd.RDDOperationScope\$.withScope(RDDOperationScope.scala:112)\norg.apache.spark.rdd.RDD. withScope(RDD.scala:363)\norg.apache.spark.rdd.PairRDDFunctions.saveAsHadoopFile(PairRDDFunc tions.scala:1032)\norg.apache.spark.rdd.PairRDDFunctions\$\$anonfun\$saveAsHadoopFile\$1.apply\$ mcV\$sp(PairRDDFunctions.scala:958)\norg.apache.spark.rdd.PairRDDFunctions\$\$anonfun\$saveAsH adoopFile\$1.apply(PairRDDFunctions.scala:958)\norg.apache.spark.rdd.PairRDDFunctions\$\$anonfun \$saveAsHadoopFile\$1.apply(PairRDDFunctions.scala:958)\norg.apache.spark.rdd.RDDOperationScop e\$.withScope(RDDOperationScope.scala:151)","Accumulables":[]}],"Stage IDs":[1],"Properties":{"spark.rdd.scope.noOverride":"true","spark.rdd.scope":"{\"id\":\"6\",\"name\ ":\"saveAsTextFile\"}"}}

{"Event":"SparkListenerStageSubmitted","Stage Info":{"Stage ID":1,"Stage Attempt ID":0,"Stage Name":"runJob at SparkHadoopWriter.scala:78","Number of Tasks":39,"RDD Info":[{"RDD ID":3,"Name":"MapPartitionsRDD","Scope":"{\"id\":\"6\",\"name\":\"saveAsTextFile\"}","Callsite":"s aveAsTextFile at saprkRDD2.java:46","Parent IDs":[2],"Storage Level":{"Use Disk":false,"Use

Memory":false,"Deserialized":false,"Replication":1},"Number of Partitions":39,"Number of Cached Partitions":0,"Memory Size":0,"Disk Size":0},{"RDD ID":0,"Name":"/user/ec2user/spark\_assignment/input2/yellow\_tripdata\_\*","Scope":"{\"id\":\"0\",\"name\":\"textFile\"}","C allsite": "textFile at saprkRDD2.java:26", "Parent IDs": [], "Storage Level": {"Use Disk": false, "Use Memory":false,"Deserialized":false,"Replication":1},"Number of Partitions":39,"Number of Cached Partitions":0,"Memory Size":0,"Disk Size":0},{"RDD ID":1,"Name":"/user/ec2user/spark\_assignment/input2/yellow\_tripdata\_\*","Scope":"{\"id\":\"0\",\"name\":\"textFile\"}","C allsite": "textFile at saprkRDD2.java:26", "Parent IDs":[0], "Storage Level": {"Use Disk":false, "Use Memory":false,"Deserialized":false,"Replication":1},"Number of Partitions":39,"Number of Cached Partitions":0,"Memory Size":0,"Disk Size":0},{"RDD ID":2,"Name":"MapPartitionsRDD","Scope":"{\"id\":\"1\",\"name\":\"filter\"}","Callsite":"filter at saprkRDD2.java:28","Parent IDs":[1],"Storage Level":{"Use Disk":false,"Use Memory":false,"Deserialized":false,"Replication":1},"Number of Partitions":39,"Number of Cached Partitions":0,"Memory Size":0,"Disk Size":0}],"Parent IDs":[],"Details":"org.apache.spark.SparkContext.runJob(SparkContext.scala:2080)\norg.apache.spar k.internal.io.SparkHadoopWriter\$.write(SparkHadoopWriter.scala:78)\norg.apache.spark.rdd.PairRD DFunctions\$\$anonfun\$saveAsHadoopDataset\$1.apply\$mcV\$sp(PairRDDFunctions.scala:1096)\norg. apache.spark.rdd.PairRDDFunctions\$\$anonfun\$saveAsHadoopDataset\$1.apply(PairRDDFunctions.sc ala:1094)\norg.apache.spark.rdd.PairRDDFunctions\$\$anonfun\$saveAsHadoopDataset\$1.apply(PairR pe.scala:151)\norg.apache.spark.rdd.RDDOperationScope\$.withScope(RDDOperationScope.scala:11 2)\norg.apache.spark.rdd.RDD.withScope(RDD.scala:363)\norg.apache.spark.rdd.PairRDDFunctions.s aveAsHadoopDataset(PairRDDFunctions.scala:1094)\norg.apache.spark.rdd.PairRDDFunctions\$\$ano nfun\$saveAsHadoopFile\$4.apply\$mcV\$sp(PairRDDFunctions.scala:1067)\norg.apache.spark.rdd.Pair RDDFunctions\$\$anonfun\$saveAsHadoopFile\$4.apply(PairRDDFunctions.scala:1032)\norg.apache.sp ark.rdd.PairRDDFunctions\$\$anonfun\$saveAsHadoopFile\$4.apply(PairRDDFunctions.scala:1032)\norg .apache.spark.rdd.RDDOperationScope\$.withScope(RDDOperationScope.scala:151)\norg.apache.spa rk.rdd.RDDOperationScope\$.withScope(RDDOperationScope.scala:112)\norg.apache.spark.rdd.RDD. withScope(RDD.scala:363)\norg.apache.spark.rdd.PairRDDFunctions.saveAsHadoopFile(PairRDDFunc tions.scala:1032)\norg.apache.spark.rdd.PairRDDFunctions\$\$anonfun\$saveAsHadoopFile\$1.apply\$ mcV\$sp(PairRDDFunctions.scala:958)\norg.apache.spark.rdd.PairRDDFunctions\$\$anonfun\$saveAsH \$saveAsHadoopFile\$1.apply(PairRDDFunctions.scala:958)\norg.apache.spark.rdd.RDDOperationScop

 $Time":1561374489949, "Accumulables":[]\}, "Properties": {"spark.rdd.scope.noOverride": "true", "spark.rdd.scope": "{\"id\":\"6\", \"name\":\"saveAsTextFile\"}"} \\$ 

e\$.withScope(RDDOperationScope.scala:151)","Submission

{"Event":"SparkListenerTaskStart","Stage ID":1,"Stage Attempt ID":0,"Task Info":{"Task ID":39,"Index":0,"Attempt":0,"Launch Time":1561374489987,"Executor ID":3","Host":"ip-10-0-0-201.ec2.internal","Locality":"NODE\_LOCAL","Speculative":false,"Getting Result Time":0,"Finish Time":0,"Failed":false,"Killed":false,"Accumulables":[]}}

{"Event":"SparkListenerTaskStart","Stage ID":1,"Stage Attempt ID":0,"Task Info":{"Task ID":40,"Index":1,"Attempt":0,"Launch Time":1561374489987,"Executor ID":"1","Host":"ip-10-0-0-201.ec2.internal","Locality":"NODE\_LOCAL","Speculative":false,"Getting Result Time":0,"Finish Time":0,"Failed":false,"Killed":false,"Accumulables":[]}}

{"Event":"SparkListenerTaskStart","Stage ID":1,"Stage Attempt ID":0,"Task Info":{"Task ID":41,"Index":2,"Attempt":0,"Launch Time":1561374489987,"Executor ID":2","Host":"ip-10-0-0-

201.ec2.internal","Locality":"NODE\_LOCAL","Speculative":false,"Getting Result Time":0,"Finish Time":0,"Failed":false,"Killed":false,"Accumulables":[]}}

{"Event":"SparkListenerTaskStart","Stage ID":1,"Stage Attempt ID":0,"Task Info":{"Task ID":42,"Index":3,"Attempt":0,"Launch Time":1561374492975,"Executor ID":"3","Host":"ip-10-0-0-201.ec2.internal","Locality":"NODE\_LOCAL","Speculative":false,"Getting Result Time":0,"Finish Time":0,"Failed":false,"Killed":false,"Accumulables":[]}}

{"Event":"SparkListenerTaskEnd","Stage ID":1,"Stage Attempt ID":0,"Task Type":"ResultTask","Task End Reason":{"Reason":"Success"},"Task Info":{"Task ID":39,"Index":0,"Attempt":0,"Launch Time":1561374489987,"Executor ID":"3","Host":"ip-10-0-0-

201.ec2.internal","Locality":"NODE\_LOCAL","Speculative":false,"Getting Result Time":0,"Finish Time":1561374493020,"Failed":false,"Killed":false,"Accumulables":[{"ID":49,"Name":"internal.metrics.output.recordsWritten","Update":919,"Value":919,"Internal":true,"Count Failed

Values":true},{"ID":48,"Name":"internal.metrics.output.bytesWritten","Update":82854,"Value":82854,"Internal":true,"Count Failed

Values":true},{"ID":47,"Name":"internal.metrics.input.recordsRead","Update":1527733,"Value":1527733,"Internal":true,"Count Failed

Values":true},{"ID":46,"Name":"internal.metrics.input.bytesRead","Update":134283264,"Value":134283264,"Internal":true,"Count Failed

Values":true},{"ID":31,"Name":"internal.metrics.resultSerializationTime","Update":1,"Value":1,"Internal":true,"Count Failed

Values":true},{"ID":30,"Name":"internal.metrics.jvmGCTime","Update":45,"Value":45,"Internal":true, "Count Failed

Values":true},{"ID":29,"Name":"internal.metrics.resultSize","Update":1041,"Value":1041,"Internal":true,"Count Failed

Values":true},{"ID":28,"Name":"internal.metrics.executorCpuTime","Update":2598935311,"Value":2598935311,"Internal":true,"Count Failed

Values":true},{"ID":27,"Name":"internal.metrics.executorRunTime","Update":2852,"Value":2852,"Internal":true,"Count Failed

Values":true},{"ID":26,"Name":"internal.metrics.executorDeserializeCpuTime","Update":42272911," Value":42272911,"Internal":true,"Count Failed

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{"Event":"SparkListenerTaskEnd","Stage ID":1,"Stage Attempt ID":0,"Task Type":"ResultTask","Task End Reason":{"Reason":Success"},"Task Info":{"Task ID":40,"Index":1,"Attempt":0,"Launch

Time":1561374489987,"Executor ID":"1","Host":"ip-10-0-0-

201.ec2.internal","Locality":"NODE\_LOCAL","Speculative":false,"Getting Result Time":0,"Finish Time":1561374493678,"Failed":false,"Killed":false,"Accumulables":[{"ID":49,"Name":"internal.metrics.output.recordsWritten","Update":935,"Value":1854,"Internal":true,"Count Failed

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Values":true},{"ID":47,"Name":"internal.metrics.input.recordsRead","Update":1521407,"Value":304 9140,"Internal":true,"Count Failed

Values":true},{"ID":46,"Name":"internal.metrics.input.bytesRead","Update":134283264,"Value":268 566528,"Internal":true,"Count Failed

Values":true},{"ID":31,"Name":"internal.metrics.resultSerializationTime","Update":2,"Value":3,"Internal":true,"Count Failed

Values":true},{"ID":30,"Name":"internal.metrics.jvmGCTime","Update":77,"Value":122,"Internal":true, "Count Failed":122,"Internal":true, "Count Failed":true, "Count Failed"

Values":true},{"ID":29,"Name":"internal.metrics.resultSize","Update":1041,"Value":2082,"Internal":true,"Count Failed

Values":true},{"ID":28,"Name":"internal.metrics.executorCpuTime","Update":3150448176,"Value":5749383487,"Internal":true,"Count Failed

Values":true},{"ID":27,"Name":"internal.metrics.executorRunTime","Update":3566,"Value":6418,"Internal":true,"Count Failed

Values":true},{"ID":26,"Name":"internal.metrics.executorDeserializeCpuTime","Update":44927452," Value":87200363,"Internal":true,"Count Failed

Values":true},{"ID":25,"Name":"internal.metrics.executorDeserializeTime","Update":91,"Value":205,
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Time":91 "Executor Description CPLI Time":44937452 "Executor Pun Time":3566 "Executor CPLI

Time":91,"Executor Deserialize CPU Time":44927452,"Executor Run Time":3566,"Executor CPU Time":3150448176,"Result Size":1041,"JVM GC Time":77,"Result Serialization Time":2,"Memory Bytes Spilled":0,"Disk Bytes Spilled":0,"Shuffle Read Metrics":{"Remote Blocks Fetched":0,"Local Blocks Fetched":0,"Fetch Wait Time":0,"Remote Bytes Read":0,"Remote Bytes Read To Disk":0,"Local Bytes Read":0,"Total Records Read":0},"Shuffle Write Metrics":{"Shuffle Bytes Written":0,"Shuffle Write Time":0,"Shuffle Records Written":0},"Input Metrics":{"Bytes Read":134283264,"Records Read":1521407},"Output Metrics":{"Bytes Written":84481,"Records Written":935},"Updated Blocks":[]}}

{"Event":"SparkListenerTaskStart","Stage ID":1,"Stage Attempt ID":0,"Task Info":{"Task ID":44,"Index":5,"Attempt":0,"Launch Time":1561374493711,"Executor ID":"2","Host":"ip-10-0-0-201.ec2.internal","Locality":"NODE\_LOCAL","Speculative":false,"Getting Result Time":0,"Finish Time":0,"Failed":false,"Killed":false,"Accumulables":[]}}

{"Event":"SparkListenerTaskEnd","Stage ID":1,"Stage Attempt ID":0,"Task Type":"ResultTask","Task End Reason":{"Reason":"Success"},"Task Info":{"Task ID":41,"Index":2,"Attempt":0,"Launch Time":1561374489987,"Executor ID":"2","Host":"ip-10-0-0-

201.ec2.internal","Locality":"NODE\_LOCAL","Speculative":false,"Getting Result Time":0,"Finish Time":1561374493714,"Failed":false,"Killed":false,"Accumulables":[{"ID":49,"Name":"internal.metrics.output.recordsWritten","Update":1038,"Value":2892,"Internal":true,"Count Failed Values":true},{"ID":48,"Name":"internal.metrics.output.bytesWritten","Update":93997,"Value":2613 32,"Internal":true,"Count Failed

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Values":true},{"ID":46,"Name":"internal.metrics.input.bytesRead","Update":134283264,"Value":402

849792,"Internal":true,"Count Failed

Values":true},{"ID":31,"Name":"internal.metrics.resultSerializationTime","Update":1,"Value":4,"Internal":true,"Count Failed

Values":true},{"ID":30,"Name":"internal.metrics.jvmGCTime","Update":38,"Value":160,"Internal":true, "Count Failed":160,"Internal":true, "Count Failed":true, "Count F

Values":true},{"ID":29,"Name":"internal.metrics.resultSize","Update":1041,"Value":3123,"Internal":true,"Count Failed

Values":true},{"ID":28,"Name":"internal.metrics.executorCpuTime","Update":2802425778,"Value":8 551809265,"Internal":true,"Count Failed

Values":true},{"ID":27,"Name":"internal.metrics.executorRunTime","Update":3609,"Value":10027,"Internal":true,"Count Failed

Values":true},{"ID":26,"Name":"internal.metrics.executorDeserializeCpuTime","Update":40259912," Value":127460275,"Internal":true,"Count Failed

Values":true},{"ID":25,"Name":"internal.metrics.executorDeserializeTime","Update":97,"Value":302, "Internal":true,"Count Failed Values":true}]},"Task Metrics":{"Executor Deserialize

Time":97,"Executor Deserialize CPU Time":40259912,"Executor Run Time":3609,"Executor CPU Time":2802425778,"Result Size":1041,"JVM GC Time":38,"Result Serialization Time":1,"Memory Bytes Spilled":0,"Disk Bytes Spilled":0,"Shuffle Read Metrics":{"Remote Blocks Fetched":0,"Local Blocks Fetched":0,"Fetch Wait Time":0,"Remote Bytes Read":0,"Remote Bytes Read To Disk":0,"Local Bytes Read":0,"Total Records Read":0},"Shuffle Write Metrics":{"Shuffle Bytes Written":0,"Shuffle Write Time":0,"Shuffle Records Written":0},"Input Metrics":{"Bytes Read":134283264,"Records Read":1521715},"Output Metrics":{"Bytes Written":93997,"Records Written":1038},"Updated Blocks":[]}}

{"Event":"SparkListenerTaskStart","Stage ID":1,"Stage Attempt ID":0,"Task Info":{"Task ID":45,"Index":6,"Attempt":0,"Launch Time":1561374495870,"Executor ID":"2","Host":"ip-10-0-0-201.ec2.internal","Locality":"NODE\_LOCAL","Speculative":false,"Getting Result Time":0,"Finish Time":0,"Failed":false,"Killed":false,"Accumulables":[]}}

{"Event":"SparkListenerTaskEnd","Stage ID":1,"Stage Attempt ID":0,"Task Type":"ResultTask","Task End Reason":{"Reason":"Success"},"Task Info":{"Task ID":44,"Index":5,"Attempt":0,"Launch Time":1561374493711,"Executor ID":"2","Host":"ip-10-0-0-

201.ec2.internal","Locality":"NODE\_LOCAL","Speculative":false,"Getting Result Time":0,"Finish Time":1561374495873,"Failed":false,"Killed":false,"Accumulables":[{"ID":49,"Name":"internal.metrics.output.recordsWritten","Update":562,"Value":3454,"Internal":true,"Count Failed

Values":true},{"ID":48,"Name":"internal.metrics.output.bytesWritten","Update":50839,"Value":3121 71,"Internal":true,"Count Failed

Values":true},{"ID":47,"Name":"internal.metrics.input.recordsRead","Update":975708,"Value":5546 563,"Internal":true,"Count Failed

Values":true},{"ID":46,"Name":"internal.metrics.input.bytesRead","Update":86047889,"Value":4888 97681,"Internal":true,"Count Failed

Values":true},{"ID":30,"Name":"internal.metrics.jvmGCTime","Update":40,"Value":200,"Internal":true, "Count Failed":40,"Value":200,"Internal":true, "Count Failed":40,"Value":40,"Va

Values":true},{"ID":29,"Name":"internal.metrics.resultSize","Update":998,"Value":4121,"Internal":true,"Count Failed

Values":true},{"ID":28,"Name":"internal.metrics.executorCpuTime","Update":1574054645,"Value":1 0125863910,"Internal":true,"Count Failed

Values":true},{"ID":27,"Name":"internal.metrics.executorRunTime","Update":2123,"Value":12150,"Internal":true,"Count Failed

Values":true},{"ID":26,"Name":"internal.metrics.executorDeserializeCpuTime","Update":12138655," Value":139598930,"Internal":true,"Count Failed

Values":true},{"ID":25,"Name":"internal.metrics.executorDeserializeTime","Update":13,"Value":315, "Internal":true,"Count Failed Values":true}]},"Task Metrics":{"Executor Deserialize

Time":13,"Executor Deserialize CPU Time":12138655,"Executor Run Time":2123,"Executor CPU Time":1574054645,"Result Size":998,"JVM GC Time":40,"Result Serialization Time":0,"Memory Bytes Spilled":0,"Disk Bytes Spilled":0,"Shuffle Read Metrics":{"Remote Blocks Fetched":0,"Local Blocks Fetched":0,"Fetch Wait Time":0,"Remote Bytes Read":0,"Remote Bytes Read To Disk":0,"Local Bytes Read":0,"Total Records Read":0},"Shuffle Write Metrics":{"Shuffle Bytes Written":0,"Shuffle Write Time":0,"Shuffle Records Written":0},"Input Metrics":{"Bytes Read":86047889,"Records Read":975708},"Output Metrics":{"Bytes Written":50839,"Records Written":562},"Updated Blocks":[]}}

{"Event":"SparkListenerTaskStart","Stage ID":1,"Stage Attempt ID":0,"Task Info":{"Task ID":46,"Index":7,"Attempt":0,"Launch Time":1561374495951,"Executor ID":"3","Host":"ip-10-0-0-201.ec2.internal","Locality":"NODE\_LOCAL","Speculative":false,"Getting Result Time":0,"Finish Time":0,"Failed":false,"Killed":false,"Accumulables":[]}}

{"Event":"SparkListenerTaskEnd","Stage ID":1,"Stage Attempt ID":0,"Task Type":"ResultTask","Task End Reason":{"Reason":"Success"},"Task Info":{"Task ID":42,"Index":3,"Attempt":0,"Launch Time":1561374492975,"Executor ID":"3","Host":"ip-10-0-0-

201.ec2.internal","Locality":"NODE\_LOCAL","Speculative":false,"Getting Result Time":0,"Finish Time":1561374495952,"Failed":false,"Killed":false,"Accumulables":[{"ID":49,"Name":"internal.metrics.output.recordsWritten","Update":882,"Value":4336,"Internal":true,"Count Failed

Values":true},{"ID":48,"Name":"internal.metrics.output.bytesWritten","Update":79716,"Value":3918 87,"Internal":true,"Count Failed

Values":true},{"ID":47,"Name":"internal.metrics.input.recordsRead","Update":1520708,"Value":706 7271,"Internal":true,"Count Failed

Values":true},{"ID":46,"Name":"internal.metrics.input.bytesRead","Update":134283264,"Value":623 180945,"Internal":true,"Count Failed

Values":true},{"ID":30,"Name":"internal.metrics.jvmGCTime","Update":45,"Value":245,"Internal":true, "Count Failed":45,"Value":245,"Internal":true, "Count Failed":45,"Value":245,"Internal":true, "Count Failed":45,"Value":

Values":true},{"ID":29,"Name":"internal.metrics.resultSize","Update":998,"Value":5119,"Internal":true,"Count Failed

Values":true},{"ID":28,"Name":"internal.metrics.executorCpuTime","Update":2741434778,"Value":1 2867298688,"Internal":true,"Count Failed

Values":true},{"ID":27,"Name":"internal.metrics.executorRunTime","Update":2941,"Value":15091,"Internal":true,"Count Failed

Values":true},{"ID":26,"Name":"internal.metrics.executorDeserializeCpuTime","Update":11132395," Value":150731325,"Internal":true,"Count Failed

Values":true},{"ID":25,"Name":"internal.metrics.executorDeserializeTime","Update":12,"Value":327, "Internal":true,"Count Failed Values":true}]},"Task Metrics":{"Executor Deserialize

Time":12,"Executor Deserialize CPU Time":11132395,"Executor Run Time":2941,"Executor CPU Time":2741434778,"Result Size":998,"JVM GC Time":45,"Result Serialization Time":0,"Memory Bytes Spilled":0,"Disk Bytes Spilled":0,"Shuffle Read Metrics":{"Remote Blocks Fetched":0,"Local Blocks Fetched":0,"Fetch Wait Time":0,"Remote Bytes Read":0,"Remote Bytes Read To Disk":0,"Local Bytes Read":0,"Total Records Read":0,"Shuffle Write Metrics":{"Shuffle Bytes Written":0,"Shuffle Write Time":0,"Shuffle Records Written":0,"Input Metrics":{"Bytes Read":134283264,"Records

Read":1520708},"Output Metrics":{"Bytes Written":79716,"Records Written":882},"Updated Blocks":[]}}

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{"Event":"SparkListenerTaskEnd","Stage ID":1,"Stage Attempt ID":0,"Task Type":"ResultTask","Task End Reason":{"Reason":"Success"},"Task Info":{"Task ID":43,"Index":4,"Attempt":0,"Launch Time":1561374493675,"Executor ID":"1","Host":"ip-10-0-0-

201.ec2.internal","Locality":"NODE\_LOCAL","Speculative":false,"Getting Result Time":0,"Finish Time":1561374497359,"Failed":false,"Killed":false,"Accumulables":[{"ID":49,"Name":"internal.metrics.output.recordsWritten","Update":913,"Value":5249,"Internal":true,"Count Failed

Values":true},{"ID":48,"Name":"internal.metrics.output.bytesWritten","Update":82704,"Value":4745 91,"Internal":true,"Count Failed

Values":true},{"ID":47,"Name":"internal.metrics.input.recordsRead","Update":1521217,"Value":858 8488,"Internal":true,"Count Failed

Values":true},{"ID":46,"Name":"internal.metrics.input.bytesRead","Update":134283264,"Value":757 464209,"Internal":true,"Count Failed

Values":true},{"ID":31,"Name":"internal.metrics.resultSerializationTime","Update":1,"Value":5,"Internal":true,"Count Failed

Values":true},{"ID":30,"Name":"internal.metrics.jvmGCTime","Update":62,"Value":307,"Internal":true, "Count Failed":62,"Value":307,"Internal":true, "Count Failed":62,"Value":42,"Value":

Values":true},{"ID":29,"Name":"internal.metrics.resultSize","Update":1041,"Value":6160,"Internal":true,"Count Failed

Values":true},{"ID":28,"Name":"internal.metrics.executorCpuTime","Update":2690987832,"Value":1 5558286520,"Internal":true,"Count Failed

Values":true},{"ID":27,"Name":"internal.metrics.executorRunTime","Update":3647,"Value":18738,"Internal":true,"Count Failed

Values":true},{"ID":26,"Name":"internal.metrics.executorDeserializeCpuTime","Update":11164968," Value":161896293,"Internal":true,"Count Failed

Values":true},{"ID":25,"Name":"internal.metrics.executorDeserializeTime","Update":18,"Value":345, "Internal":true,"Count Failed Values":true}]},"Task Metrics":{"Executor Deserialize

Time":18,"Executor Deserialize CPU Time":11164968,"Executor Run Time":3647,"Executor CPU Time":2690987832,"Result Size":1041,"JVM GC Time":62,"Result Serialization Time":1,"Memory Bytes Spilled":0,"Disk Bytes Spilled":0,"Shuffle Read Metrics":{"Remote Blocks Fetched":0,"Local Blocks Fetched":0,"Fetch Wait Time":0,"Remote Bytes Read":0,"Remote Bytes Read To Disk":0,"Local Bytes Read":0,"Total Records Read":0},"Shuffle Write Metrics":{"Shuffle Bytes Written":0,"Shuffle Write Time":0,"Shuffle Records Written":0},"Input Metrics":{"Bytes Read":134283264,"Records Read":1521217},"Output Metrics":{"Bytes Written":82704,"Records Written":913},"Updated Blocks":[]}}

{"Event":"SparkListenerTaskStart","Stage ID":1,"Stage Attempt ID":0,"Task Info":{"Task ID":48,"Index":9,"Attempt":0,"Launch Time":1561374498830,"Executor ID":"2","Host":"ip-10-0-0-201.ec2.internal","Locality":"NODE\_LOCAL","Speculative":false,"Getting Result Time":0,"Finish Time":0,"Failed":false,"Killed":false,"Accumulables":[]}}

{"Event":"SparkListenerTaskEnd","Stage ID":1,"Stage Attempt ID":0,"Task Type":"ResultTask","Task End Reason":{"Reason":Success"},"Task Info":{"Task ID":45,"Index":6,"Attempt":0,"Launch

Time":1561374495870,"Executor ID":"2","Host":"ip-10-0-0-

201.ec2.internal","Locality":"NODE\_LOCAL","Speculative":false,"Getting Result Time":0,"Finish Time":1561374498832,"Failed":false,"Killed":false,"Accumulables":[{"ID":49,"Name":"internal.metrics.output.recordsWritten","Update":949,"Value":6198,"Internal":true,"Count Failed

Values":true},{"ID":48,"Name":"internal.metrics.output.bytesWritten","Update":85984,"Value":5605 75,"Internal":true,"Count Failed

Values":true},{"ID":47,"Name":"internal.metrics.input.recordsRead","Update":1521149,"Value":101 09637,"Internal":true,"Count Failed

Values":true},{"ID":46,"Name":"internal.metrics.input.bytesRead","Update":134283264,"Value":891 747473,"Internal":true,"Count Failed

Values":true},{"ID":30,"Name":"internal.metrics.jvmGCTime","Update":36,"Value":343,"Internal":true, "Count Failed":36,"Value":343,"Internal":true, "Count Failed":36,"Value":36,

Values":true},{"ID":29,"Name":"internal.metrics.resultSize","Update":998,"Value":7158,"Internal":true,"Count Failed

Values":true},{"ID":28,"Name":"internal.metrics.executorCpuTime","Update":2415670811,"Value":1 7973957331,"Internal":true,"Count Failed

Values":true},{"ID":27,"Name":"internal.metrics.executorRunTime","Update":2925,"Value":21663,"Internal":true,"Count Failed

Values":true},{"ID":26,"Name":"internal.metrics.executorDeserializeCpuTime","Update":10748483," Value":172644776,"Internal":true,"Count Failed

Values":true},{"ID":25,"Name":"internal.metrics.executorDeserializeTime","Update":13,"Value":358, "Internal":true,"Count Failed Values":true}]},"Task Metrics":{"Executor Deserialize

Time":13,"Executor Deserialize CPU Time":10748483,"Executor Run Time":2925,"Executor CPU Time":2415670811,"Result Size":998,"JVM GC Time":36,"Result Serialization Time":0,"Memory Bytes Spilled":0,"Disk Bytes Spilled":0,"Shuffle Read Metrics":{"Remote Blocks Fetched":0,"Local Blocks Fetched":0,"Fetch Wait Time":0,"Remote Bytes Read":0,"Remote Bytes Read To Disk":0,"Local Bytes Read":0,"Total Records Read":0,"Shuffle Write Metrics":{"Shuffle Bytes Written":0,"Shuffle Write Time":0,"Shuffle Records Written":0},"Input Metrics":{"Bytes Read":134283264,"Records Read":1521149},"Output Metrics":{"Bytes Written":85984,"Records Written":949},"Updated Blocks":[]}}

{"Event":"SparkListenerTaskStart","Stage ID":1,"Stage Attempt ID":0,"Task Info":{"Task ID":49,"Index":10,"Attempt":0,"Launch Time":1561374499014,"Executor ID":"3","Host":"ip-10-0-0-201.ec2.internal","Locality":"NODE\_LOCAL","Speculative":false,"Getting Result Time":0,"Finish Time":0,"Failed":false,"Killed":false,"Accumulables":[]}}

{"Event":"SparkListenerTaskEnd","Stage ID":1,"Stage Attempt ID":0,"Task Type":"ResultTask","Task End Reason":{"Reason":"Success"},"Task Info":{"Task ID":46,"Index":7,"Attempt":0,"Launch Time":1561374495951,"Executor ID":"3","Host":"ip-10-0-0-

201.ec2.internal","Locality":"NODE\_LOCAL","Speculative":false,"Getting Result Time":0,"Finish Time":1561374499015,"Failed":false,"Killed":false,"Accumulables":[{"ID":49,"Name":"internal.metrics.output.recordsWritten","Update":981,"Value":7179,"Internal":true,"Count Failed

Values":true},{"ID":48,"Name":"internal.metrics.output.bytesWritten","Update":88338,"Value":6489 13,"Internal":true,"Count Failed

Values":true},{"ID":47,"Name":"internal.metrics.input.recordsRead","Update":1523098,"Value":116 32735,"Internal":true,"Count Failed

Values":true},{"ID":46,"Name":"internal.metrics.input.bytesRead","Update":134283264,"Value":102 6030737,"Internal":true,"Count Failed

Values":true},{"ID":30,"Name":"internal.metrics.jvmGCTime","Update":37,"Value":380,"Internal":tru

e,"Count Failed

Values":true},{"ID":29,"Name":"internal.metrics.resultSize","Update":998,"Value":8156,"Internal":true,"Count Failed

Values":true},{"ID":28,"Name":"internal.metrics.executorCpuTime","Update":2474203393,"Value":2 0448160724,"Internal":true,"Count Failed

Values":true},{"ID":27,"Name":"internal.metrics.executorRunTime","Update":3026,"Value":24689,"Internal":true,"Count Failed

Values":true},{"ID":26,"Name":"internal.metrics.executorDeserializeCpuTime","Update":12150527," Value":184795303,"Internal":true,"Count Failed

Values":true},{"ID":25,"Name":"internal.metrics.executorDeserializeTime","Update":19,"Value":377, "Internal":true,"Count Failed Values":true}]},"Task Metrics":{"Executor Deserialize

Time":19,"Executor Deserialize CPU Time":12150527,"Executor Run Time":3026,"Executor CPU Time":2474203393,"Result Size":998,"JVM GC Time":37,"Result Serialization Time":0,"Memory Bytes Spilled":0,"Disk Bytes Spilled":0,"Shuffle Read Metrics":{"Remote Blocks Fetched":0,"Local Blocks Fetched":0,"Fetch Wait Time":0,"Remote Bytes Read":0,"Remote Bytes Read To Disk":0,"Local Bytes Read":0,"Total Records Read":0,,"Shuffle Write Metrics":{"Shuffle Bytes Written":0,"Shuffle Write Time":0,"Shuffle Records Written":0},"Input Metrics":{"Bytes Read":134283264,"Records Read":1523098},"Output Metrics":{"Bytes Written":88338,"Records Written":981},"Updated Blocks":[]}}

{"Event":"SparkListenerTaskStart","Stage ID":1,"Stage Attempt ID":0,"Task Info":{"Task ID":50,"Index":11,"Attempt":0,"Launch Time":1561374500206,"Executor ID":"1","Host":"ip-10-0-0-201.ec2.internal","Locality":"NODE\_LOCAL","Speculative":false,"Getting Result Time":0,"Finish Time":0,"Failed":false,"Killed":false,"Accumulables":[]}}

{"Event":"SparkListenerTaskEnd","Stage ID":1,"Stage Attempt ID":0,"Task Type":"ResultTask","Task End Reason":{"Reason":"Success"},"Task Info":{"Task ID":47,"Index":8,"Attempt":0,"Launch Time":1561374497355,"Executor ID":"1","Host":"ip-10-0-0-

201.ec2.internal","Locality":"NODE\_LOCAL","Speculative":false,"Getting Result Time":0,"Finish Time":1561374500207,"Failed":false,"Killed":false,"Accumulables":[{"ID":49,"Name":"internal.metrics.output.recordsWritten","Update":982,"Value":8161,"Internal":true,"Count Failed

Values":true},{"ID":48,"Name":"internal.metrics.output.bytesWritten","Update":88555,"Value":7374 68,"Internal":true,"Count Failed

Values":true},{"ID":47,"Name":"internal.metrics.input.recordsRead","Update":1522831,"Value":131 55566,"Internal":true,"Count Failed

Values":true},{"ID":46,"Name":"internal.metrics.input.bytesRead","Update":134283264,"Value":116 0314001,"Internal":true,"Count Failed

Values":true},{"ID":30,"Name":"internal.metrics.jvmGCTime","Update":36,"Value":416,"Internal":true, "Count Failed":416,"Internal":true, "Count Failed":true, "C

Values":true},{"ID":29,"Name":"internal.metrics.resultSize","Update":998,"Value":9154,"Internal":true,"Count Failed

Values":true},{"ID":28,"Name":"internal.metrics.executorCpuTime","Update":2284436020,"Value":2 2732596744,"Internal":true,"Count Failed

Values":true},{"ID":27,"Name":"internal.metrics.executorRunTime","Update":2824,"Value":27513,"Internal":true,"Count Failed

Values":true},{"ID":26,"Name":"internal.metrics.executorDeserializeCpuTime","Update":11918739," Value":196714042,"Internal":true,"Count Failed

Values":true},{"ID":25,"Name":"internal.metrics.executorDeserializeTime","Update":15,"Value":392, "Internal":true,"Count Failed Values":true}]},"Task Metrics":{"Executor Deserialize

Time":15,"Executor Deserialize CPU Time":11918739,"Executor Run Time":2824,"Executor CPU Time":2284436020,"Result Size":998,"JVM GC Time":36,"Result Serialization Time":0,"Memory Bytes Spilled":0,"Disk Bytes Spilled":0,"Shuffle Read Metrics":{"Remote Blocks Fetched":0,"Local Blocks Fetched":0,"Fetch Wait Time":0,"Remote Bytes Read":0,"Remote Bytes Read To Disk":0,"Local Bytes Read":0,"Total Records Read":0,"Shuffle Write Metrics":{"Shuffle Bytes Written":0,"Shuffle Write Time":0,"Shuffle Records Written":0},"Input Metrics":{"Bytes Read":134283264,"Records Read":1522831},"Output Metrics":{"Bytes Written":88555,"Records Written":982},"Updated Blocks":[]}}

{"Event":"SparkListenerTaskStart","Stage ID":1,"Stage Attempt ID":0,"Task Info":{"Task ID":51,"Index":12,"Attempt":0,"Launch Time":1561374501426,"Executor ID":"3","Host":"ip-10-0-0-201.ec2.internal","Locality":"NODE\_LOCAL","Speculative":false,"Getting Result Time":0,"Finish Time":0,"Failed":false,"Killed":false,"Accumulables":[]}}

{"Event":"SparkListenerTaskEnd","Stage ID":1,"Stage Attempt ID":0,"Task Type":"ResultTask","Task End Reason":{"Reason":"Success"},"Task Info":{"Task ID":49,"Index":10,"Attempt":0,"Launch Time":1561374499014,"Executor ID":"3","Host":"ip-10-0-0-

201.ec2.internal","Locality":"NODE\_LOCAL","Speculative":false,"Getting Result Time":0,"Finish Time":1561374501428,"Failed":false,"Killed":false,"Accumulables":[{"ID":49,"Name":"internal.metrics.output.recordsWritten","Update":1096,"Value":9257,"Internal":true,"Count Failed Values":true},{"ID":48,"Name":"internal.metrics.output.bytesWritten","Update":98903,"Value":8363 71,"Internal":true,"Count Failed

Values":true},{"ID":47,"Name":"internal.metrics.input.recordsRead","Update":1522659,"Value":146 78225,"Internal":true,"Count Failed

Values":true},{"ID":46,"Name":"internal.metrics.input.bytesRead","Update":134283264,"Value":129 4597265,"Internal":true,"Count Failed

Values":true},{"ID":30,"Name":"internal.metrics.jvmGCTime","Update":30,"Value":446,"Internal":true, "Count Failed":446,"Internal":true, "Count Failed":true, "Coun

Values":true},{"ID":29,"Name":"internal.metrics.resultSize","Update":998,"Value":10152,"Internal":true,"Count Failed

Values":true},{"ID":28,"Name":"internal.metrics.executorCpuTime","Update":2295761428,"Value":25028358172,"Internal":true,"Count Failed

Values":true},{"ID":27,"Name":"internal.metrics.executorRunTime","Update":2389,"Value":29902,"Internal":true,"Count Failed

Values":true},{"ID":26,"Name":"internal.metrics.executorDeserializeCpuTime","Update":10935960," Value":207650002,"Internal":true,"Count Failed

Values":true},{"ID":25,"Name":"internal.metrics.executorDeserializeTime","Update":12,"Value":404, "Internal":true,"Count Failed Values":true}]},"Task Metrics":{"Executor Deserialize

Time":12,"Executor Deserialize CPU Time":10935960,"Executor Run Time":2389,"Executor CPU Time":2295761428,"Result Size":998,"JVM GC Time":30,"Result Serialization Time":0,"Memory Bytes Spilled":0,"Disk Bytes Spilled":0,"Shuffle Read Metrics":{"Remote Blocks Fetched":0,"Local Blocks Fetched":0,"Fetch Wait Time":0,"Remote Bytes Read":0,"Remote Bytes Read To Disk":0,"Local Bytes Read":0,"Total Records Read":0,"Shuffle Write Metrics":{"Shuffle Bytes Written":0,"Shuffle Write Time":0,"Shuffle Records Written":0,"Input Metrics":{"Bytes Read":134283264,"Records Read":1522659},"Output Metrics":{"Bytes Written":98903,"Records Written":1096},"Updated Blocks":[]}}

{"Event":"SparkListenerTaskStart","Stage ID":1,"Stage Attempt ID":0,"Task Info":{"Task ID":52,"Index":13,"Attempt":0,"Launch Time":1561374501728,"Executor ID":"2","Host":"ip-10-0-0-

201.ec2.internal","Locality":"NODE\_LOCAL","Speculative":false,"Getting Result Time":0,"Finish Time":0,"Failed":false,"Killed":false,"Accumulables":[]}}

{"Event":"SparkListenerTaskEnd","Stage ID":1,"Stage Attempt ID":0,"Task Type":"ResultTask","Task End Reason":{"Reason":"Success"},"Task Info":{"Task ID":48,"Index":9,"Attempt":0,"Launch Time":1561374498830,"Executor ID":"2","Host":"ip-10-0-0-

201.ec2.internal","Locality":"NODE\_LOCAL","Speculative":false,"Getting Result Time":0,"Finish Time":1561374501729,"Failed":false,"Killed":false,"Accumulables":[{"ID":49,"Name":"internal.metrics.output.recordsWritten","Update":1075,"Value":10332,"Internal":true,"Count Failed Values":true},{"ID":48,"Name":"internal.metrics.output.bytesWritten","Update":97232,"Value":9336 03,"Internal":true,"Count Failed

Values":true},{"ID":47,"Name":"internal.metrics.input.recordsRead","Update":1523049,"Value":162 01274,"Internal":true,"Count Failed

Values":true},{"ID":46,"Name":"internal.metrics.input.bytesRead","Update":134283264,"Value":142 8880529,"Internal":true,"Count Failed

Values":true},{"ID":30,"Name":"internal.metrics.jvmGCTime","Update":43,"Value":489,"Internal":true, "Count Failed":43,"Value":489,"Internal":true, "Count Failed":489,"Internal":true, "Count Failed":true, "Count Failed":489,"Internal":true, "Count Failed":true, "Count Failed":489,"Internal":true, "Count Failed":489,"Internal":true, "Count Failed":489,"Internal":true, "Count Failed":489,"Internal":true, "Count Failed":489,"Internal":true, "Count Failed":489,"Internal":true, "Count Failed":true, "Co

Values":true},{"ID":29,"Name":"internal.metrics.resultSize","Update":998,"Value":11150,"Internal":true,"Count Failed

Values":true},{"ID":28,"Name":"internal.metrics.executorCpuTime","Update":2707072146,"Value":27735430318,"Internal":true,"Count Failed

Values":true},{"ID":27,"Name":"internal.metrics.executorRunTime","Update":2874,"Value":32776,"Internal":true,"Count Failed

Values":true},{"ID":26,"Name":"internal.metrics.executorDeserializeCpuTime","Update":10255130," Value":217905132,"Internal":true,"Count Failed

Values":true},{"ID":25,"Name":"internal.metrics.executorDeserializeTime","Update":12,"Value":416, "Internal":true,"Count Failed Values":true}]},"Task Metrics":{"Executor Deserialize

Time":12,"Executor Deserialize CPU Time":10255130,"Executor Run Time":2874,"Executor CPU Time":2707072146,"Result Size":998,"JVM GC Time":43,"Result Serialization Time":0,"Memory Bytes Spilled":0,"Disk Bytes Spilled":0,"Shuffle Read Metrics":{"Remote Blocks Fetched":0,"Local Blocks Fetched":0,"Fetch Wait Time":0,"Remote Bytes Read":0,"Remote Bytes Read To Disk":0,"Local Bytes Read":0,"Total Records Read":0,"Shuffle Write Metrics":{"Shuffle Bytes Written":0,"Shuffle Write Time":0,"Shuffle Records Written":0,"Input Metrics":{"Bytes Read":134283264,"Records Read":1523049},"Output Metrics":{"Bytes Written":97232,"Records Written":1075},"Updated Blocks":[]}}

{"Event":"SparkListenerTaskStart","Stage ID":1,"Stage Attempt ID":0,"Task Info":{"Task ID":53,"Index":14,"Attempt":0,"Launch Time":1561374502585,"Executor ID":"1","Host":"ip-10-0-0-201.ec2.internal","Locality":"NODE\_LOCAL","Speculative":false,"Getting Result Time":0,"Finish Time":0,"Failed":false,"Killed":false,"Accumulables":[]}}

{"Event":"SparkListenerTaskEnd","Stage ID":1,"Stage Attempt ID":0,"Task Type":"ResultTask","Task End Reason":{"Reason":"Success"},"Task Info":{"Task ID":50,"Index":11,"Attempt":0,"Launch Time":1561374500206,"Executor ID":"1","Host":"ip-10-0-0-

201.ec2.internal","Locality":"NODE\_LOCAL","Speculative":false,"Getting Result Time":0,"Finish Time":1561374502587,"Failed":false,"Killed":false,"Accumulables":[{"ID":49,"Name":"internal.metrics.output.recordsWritten","Update":587,"Value":10919,"Internal":true,"Count Failed Values":true},{"ID":48,"Name":"internal.metrics.output.bytesWritten","Update":53009,"Value":9866 12,"Internal":true,"Count Failed

Values":true},{"ID":47,"Name":"internal.metrics.input.recordsRead","Update":809369,"Value":1701 0643,"Internal":true,"Count Failed

Values":true},{"ID":46,"Name":"internal.metrics.input.bytesRead","Update":71329760,"Value":1500 210289,"Internal":true,"Count Failed

Values":true},{"ID":30,"Name":"internal.metrics.jvmGCTime","Update":19,"Value":508,"Internal":true, "Count Failed":19,"Value":508,"Internal":true, "Count Failed":19,"Value":19, "Count Failed":19, "Count Fail

Values":true},{"ID":29,"Name":"internal.metrics.resultSize","Update":998,"Value":12148,"Internal":true,"Count Failed

Values":true},{"ID":28,"Name":"internal.metrics.executorCpuTime","Update":1781783655,"Value":2 9517213973,"Internal":true,"Count Failed

Values":true},{"ID":27,"Name":"internal.metrics.executorRunTime","Update":2327,"Value":35103,"Internal":true,"Count Failed

Values":true},{"ID":26,"Name":"internal.metrics.executorDeserializeCpuTime","Update":12248775," Value":230153907,"Internal":true,"Count Failed

Values":true},{"ID":25,"Name":"internal.metrics.executorDeserializeTime","Update":17,"Value":433, "Internal":true,"Count Failed Values":true}]},"Task Metrics":{"Executor Deserialize

Time":17,"Executor Deserialize CPU Time":12248775,"Executor Run Time":2327,"Executor CPU Time":1781783655,"Result Size":998,"JVM GC Time":19,"Result Serialization Time":0,"Memory Bytes Spilled":0,"Disk Bytes Spilled":0,"Shuffle Read Metrics":{"Remote Blocks Fetched":0,"Local Blocks Fetched":0,"Fetch Wait Time":0,"Remote Bytes Read":0,"Remote Bytes Read To Disk":0,"Local Bytes Read":0,"Total Records Read":0,"Shuffle Write Metrics":{"Shuffle Bytes Written":0,"Shuffle Write Time":0,"Shuffle Records Written":0},"Input Metrics":{"Bytes Read":71329760,"Records Read":809369},"Output Metrics":{"Bytes Written":53009,"Records Written":587},"Updated Blocks":[]}}

{"Event":"SparkListenerTaskStart","Stage ID":1,"Stage Attempt ID":0,"Task Info":{"Task ID":54,"Index":15,"Attempt":0,"Launch Time":1561374504039,"Executor ID":"2","Host":"ip-10-0-0-201.ec2.internal","Locality":"NODE\_LOCAL","Speculative":false,"Getting Result Time":0,"Finish Time":0,"Failed":false,"Killed":false,"Accumulables":[]}}

{"Event":"SparkListenerTaskEnd","Stage ID":1,"Stage Attempt ID":0,"Task Type":"ResultTask","Task End Reason":{"Reason":"Success"},"Task Info":{"Task ID":52,"Index":13,"Attempt":0,"Launch Time":1561374501728,"Executor ID":"2","Host":"ip-10-0-0-

201.ec2.internal","Locality":"NODE\_LOCAL","Speculative":false,"Getting Result Time":0,"Finish Time":1561374504047,"Failed":false,"Killed":false,"Accumulables":[{"ID":49,"Name":"internal.metrics.output.recordsWritten","Update":764,"Value":11683,"Internal":true,"Count Failed

Values":true},{"ID":48,"Name":"internal.metrics.output.bytesWritten","Update":69153,"Value":1055 765,"Internal":true,"Count Failed

Values":true},{"ID":47,"Name":"internal.metrics.input.recordsRead","Update":1521900,"Value":185 32543,"Internal":true,"Count Failed

Values":true},{"ID":46,"Name":"internal.metrics.input.bytesRead","Update":134283264,"Value":163 4493553,"Internal":true,"Count Failed

Values":true},{"ID":30,"Name":"internal.metrics.jvmGCTime","Update":24,"Value":532,"Internal":true, "Count Failed":10, "Count F

Values":true},{"ID":29,"Name":"internal.metrics.resultSize","Update":998,"Value":13146,"Internal":true,"Count Failed

Values":true},{"ID":28,"Name":"internal.metrics.executorCpuTime","Update":2141615213,"Value":3 1658829186,"Internal":true,"Count Failed

Values":true},{"ID":27,"Name":"internal.metrics.executorRunTime","Update":2286,"Value":37389,"I

nternal":true,"Count Failed

Values":true},{"ID":26,"Name":"internal.metrics.executorDeserializeCpuTime","Update":10248059," Value":240401966,"Internal":true,"Count Failed

Values":true},{"ID":25,"Name":"internal.metrics.executorDeserializeTime","Update":12,"Value":445, "Internal":true,"Count Failed Values":true}]},"Task Metrics":{"Executor Deserialize

Time":12,"Executor Deserialize CPU Time":10248059,"Executor Run Time":2286,"Executor CPU Time":2141615213,"Result Size":998,"JVM GC Time":24,"Result Serialization Time":0,"Memory Bytes Spilled":0,"Disk Bytes Spilled":0,"Shuffle Read Metrics":{"Remote Blocks Fetched":0,"Local Blocks Fetched":0,"Fetch Wait Time":0,"Remote Bytes Read":0,"Remote Bytes Read To Disk":0,"Local Bytes Read":0,"Total Records Read":0,"Shuffle Write Metrics":{"Shuffle Bytes Written":0,"Shuffle Write Time":0,"Shuffle Records Written":0},"Input Metrics":{"Bytes Read":134283264,"Records Read":1521900},"Output Metrics":{"Bytes Written":69153,"Records Written":764},"Updated Blocks":[]}}

{"Event":"SparkListenerTaskStart","Stage ID":1,"Stage Attempt ID":0,"Task Info":{"Task ID":55,"Index":16,"Attempt":0,"Launch Time":1561374504900,"Executor ID":"3","Host":"ip-10-0-0-201.ec2.internal","Locality":"NODE\_LOCAL","Speculative":false,"Getting Result Time":0,"Finish Time":0,"Failed":false,"Killed":false,"Accumulables":[]}}

{"Event":"SparkListenerTaskEnd","Stage ID":1,"Stage Attempt ID":0,"Task Type":"ResultTask","Task End Reason":{"Reason":"Success"},"Task Info":{"Task ID":51,"Index":12,"Attempt":0,"Launch Time":1561374501426,"Executor ID":"3","Host":"ip-10-0-0-

201.ec2.internal","Locality":"NODE\_LOCAL","Speculative":false,"Getting Result Time":0,"Finish Time":1561374504911,"Failed":false,"Killed":false,"Accumulables":[{"ID":49,"Name":"internal.metrics.output.recordsWritten","Update":995,"Value":12678,"Internal":true,"Count Failed Values":true},{"ID":48,"Name":"internal.metrics.output.bytesWritten","Update":89822,"Value":1145 587,"Internal":true,"Count Failed

Values":true},{"ID":47,"Name":"internal.metrics.input.recordsRead","Update":1524530,"Value":200 57073,"Internal":true,"Count Failed

Values":true},{"ID":46,"Name":"internal.metrics.input.bytesRead","Update":134283264,"Value":176 8776817,"Internal":true,"Count Failed

Values":true},{"ID":30,"Name":"internal.metrics.jvmGCTime","Update":53,"Value":585,"Internal":true, "Count Failed":585,"Internal":true, "Count Failed":true, "Count Failed"

Values":true},{"ID":29,"Name":"internal.metrics.resultSize","Update":998,"Value":14144,"Internal":true,"Count Failed

Values":true},{"ID":28,"Name":"internal.metrics.executorCpuTime","Update":2805622953,"Value":3 4464452139,"Internal":true,"Count Failed

Values":true},{"ID":27,"Name":"internal.metrics.executorRunTime","Update":3449,"Value":40838,"Internal":true,"Count Failed

Values":true},{"ID":26,"Name":"internal.metrics.executorDeserializeCpuTime","Update":10207528," Value":250609494,"Internal":true,"Count Failed

Values":true},{"ID":25,"Name":"internal.metrics.executorDeserializeTime","Update":13,"Value":458, "Internal":true,"Count Failed Values":true}]},"Task Metrics":{"Executor Deserialize

Time":13,"Executor Deserialize CPU Time":10207528,"Executor Run Time":3449,"Executor CPU Time":2805622953,"Result Size":998,"JVM GC Time":53,"Result Serialization Time":0,"Memory Bytes Spilled":0,"Disk Bytes Spilled":0,"Shuffle Read Metrics":{"Remote Blocks Fetched":0,"Local Blocks Fetched":0,"Fetch Wait Time":0,"Remote Bytes Read":0,"Remote Bytes Read To Disk":0,"Local Bytes Read":0,"Total Records Read":0},"Shuffle Write Metrics":{"Shuffle Bytes Written":0,"Shuffle Write Time":0,"Shuffle Records Written":0},"Input Metrics":{"Bytes Read":134283264,"Records

Read":1524530},"Output Metrics":{"Bytes Written":89822,"Records Written":995},"Updated Blocks":[]}}

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{"Event":"SparkListenerTaskEnd","Stage ID":1,"Stage Attempt ID":0,"Task Type":"ResultTask","Task End Reason":{"Reason":"Success"},"Task Info":{"Task ID":53,"Index":14,"Attempt":0,"Launch Time":1561374502585,"Executor ID":"1","Host":"ip-10-0-0-

201.ec2.internal","Locality":"NODE\_LOCAL","Speculative":false,"Getting Result Time":0,"Finish Time":1561374505794,"Failed":false,"Killed":false,"Accumulables":[{"ID":49,"Name":"internal.metrics.output.recordsWritten","Update":796,"Value":13474,"Internal":true,"Count Failed Values":true},{"ID":48,"Name":"internal.metrics.output.bytesWritten","Update":72333,"Value":1217

Values":true},{"ID":47,"Name":"internal.metrics.input.recordsRead","Update":1519718,"Value":215 76791,"Internal":true,"Count Failed

920,"Internal":true,"Count Failed

Values":true},{"ID":46,"Name":"internal.metrics.input.bytesRead","Update":134283264,"Value":190 3060081,"Internal":true,"Count Failed

Values":true},{"ID":31,"Name":"internal.metrics.resultSerializationTime","Update":1,"Value":6,"Internal":true,"Count Failed

Values":true},{"ID":30,"Name":"internal.metrics.jvmGCTime","Update":71,"Value":656,"Internal":true, "Count Failed":71,"Value":656,"Internal":true, "Count Failed":71,"Value":71,"Valu

Values":true},{"ID":29,"Name":"internal.metrics.resultSize","Update":1041,"Value":15185,"Internal":true,"Count Failed

Values":true},{"ID":28,"Name":"internal.metrics.executorCpuTime","Update":2985374245,"Value":3 7449826384,"Internal":true,"Count Failed

Values":true},{"ID":27,"Name":"internal.metrics.executorRunTime","Update":3182,"Value":44020,"Internal":true,"Count Failed

Values":true},{"ID":26,"Name":"internal.metrics.executorDeserializeCpuTime","Update":11205833," Value":261815327,"Internal":true,"Count Failed

Values":true},{"ID":25,"Name":"internal.metrics.executorDeserializeTime","Update":13,"Value":471, "Internal":true,"Count Failed Values":true}]},"Task Metrics":{"Executor Deserialize

Time":13,"Executor Deserialize CPU Time":11205833,"Executor Run Time":3182,"Executor CPU Time":2985374245,"Result Size":1041,"JVM GC Time":71,"Result Serialization Time":1,"Memory Bytes Spilled":0,"Disk Bytes Spilled":0,"Shuffle Read Metrics":{"Remote Blocks Fetched":0,"Local Blocks Fetched":0,"Fetch Wait Time":0,"Remote Bytes Read":0,"Remote Bytes Read To Disk":0,"Local Bytes Read":0,"Total Records Read":0},"Shuffle Write Metrics":{"Shuffle Bytes Written":0,"Shuffle Write Time":0,"Shuffle Records Written":0},"Input Metrics":{"Bytes Read":134283264,"Records Read":1519718},"Output Metrics":{"Bytes Written":72333,"Records Written":796},"Updated Blocks":[]}}

{"Event":"SparkListenerTaskStart","Stage ID":1,"Stage Attempt ID":0,"Task Info":{"Task ID":57,"Index":18,"Attempt":0,"Launch Time":1561374506871,"Executor ID":"2","Host":"ip-10-0-0-201.ec2.internal","Locality":"NODE\_LOCAL","Speculative":false,"Getting Result Time":0,"Finish Time":0,"Failed":false,"Killed":false,"Accumulables":[]}}

{"Event":"SparkListenerTaskEnd","Stage ID":1,"Stage Attempt ID":0,"Task Type":"ResultTask","Task End Reason":{"Reason":Success"},"Task Info":{"Task ID":54,"Index":15,"Attempt":0,"Launch

Time":1561374504039,"Executor ID":"2","Host":"ip-10-0-0-

201.ec2.internal","Locality":"NODE\_LOCAL","Speculative":false,"Getting Result Time":0,"Finish Time":1561374506874,"Failed":false,"Killed":false,"Accumulables":[{"ID":49,"Name":"internal.metrics.output.recordsWritten","Update":867,"Value":14341,"Internal":true,"Count Failed

Values":true},{"ID":48,"Name":"internal.metrics.output.bytesWritten","Update":78848,"Value":1296 768,"Internal":true,"Count Failed

Values":true},{"ID":47,"Name":"internal.metrics.input.recordsRead","Update":1521382,"Value":230 98173,"Internal":true,"Count Failed

Values":true},{"ID":46,"Name":"internal.metrics.input.bytesRead","Update":134283264,"Value":203 7343345,"Internal":true,"Count Failed

Values":true},{"ID":30,"Name":"internal.metrics.jvmGCTime","Update":31,"Value":687,"Internal":true, "Count Failed":487,"Internal":true, "Count Failed":true, "Count Failed":tr

Values":true},{"ID":29,"Name":"internal.metrics.resultSize","Update":998,"Value":16183,"Internal":true,"Count Failed

Values":true},{"ID":28,"Name":"internal.metrics.executorCpuTime","Update":2634406027,"Value":4 0084232411,"Internal":true,"Count Failed

Values":true},{"ID":27,"Name":"internal.metrics.executorRunTime","Update":2799,"Value":46819,"Internal":true,"Count Failed

Values":true},{"ID":26,"Name":"internal.metrics.executorDeserializeCpuTime","Update":7176578,"V alue":268991905,"Internal":true,"Count Failed

Values":true},{"ID":25,"Name":"internal.metrics.executorDeserializeTime","Update":7,"Value":478,"Internal":true,"Count Failed Values":true}]},"Task Metrics":{"Executor Deserialize Time":7,"Executor Deserialize CPU Time":7176578,"Executor Run Time":2799,"Executor CPU

Time":2634406027,"Result Size":998,"JVM GC Time":31,"Result Serialization Time":0,"Memory Bytes Spilled":0,"Disk Bytes Spilled":0,"Shuffle Read Metrics":{"Remote Blocks Fetched":0,"Local Blocks Fetched":0,"Fetch Wait Time":0,"Remote Bytes Read":0,"Remote Bytes Read To Disk":0,"Local Bytes Read":0,"Total Records Read":0},"Shuffle Write Metrics":{"Shuffle Bytes Written":0,"Shuffle Write Time":0,"Shuffle Records Written":0},"Input Metrics":{"Bytes Read":134283264,"Records Read":1521382},"Output Metrics":{"Bytes Written":78848,"Records Written":867},"Updated Blocks":[]}}

{"Event":"SparkListenerTaskStart","Stage ID":1,"Stage Attempt ID":0,"Task Info":{"Task ID":58,"Index":19,"Attempt":0,"Launch Time":1561374508140,"Executor ID":"3","Host":"ip-10-0-0-201.ec2.internal","Locality":"NODE\_LOCAL","Speculative":false,"Getting Result Time":0,"Finish Time":0,"Failed":false,"Killed":false,"Accumulables":[]}}

{"Event":"SparkListenerTaskEnd","Stage ID":1,"Stage Attempt ID":0,"Task Type":"ResultTask","Task End Reason":{"Reason":"Success"},"Task Info":{"Task ID":55,"Index":16,"Attempt":0,"Launch Time":1561374504900,"Executor ID":"3","Host":"ip-10-0-0-

201.ec2.internal","Locality":"NODE\_LOCAL","Speculative":false,"Getting Result Time":0,"Finish Time":1561374508143,"Failed":false,"Killed":false,"Accumulables":[{"ID":49,"Name":"internal.metrics.output.recordsWritten","Update":863,"Value":15204,"Internal":true,"Count Failed Values":true},{"ID":48,"Name":"internal.metrics.output.bytesWritten","Update":78339,"Value":1375 107,"Internal":true,"Count Failed

Values":true},{"ID":47,"Name":"internal.metrics.input.recordsRead","Update":1521715,"Value":246 19888,"Internal":true,"Count Failed

Values":true},{"ID":46,"Name":"internal.metrics.input.bytesRead","Update":134283264,"Value":217 1626609,"Internal":true,"Count Failed

Values":true},{"ID":30,"Name":"internal.metrics.jvmGCTime","Update":39,"Value":726,"Internal":tru

e,"Count Failed

Values":true},{"ID":29,"Name":"internal.metrics.resultSize","Update":998,"Value":17181,"Internal":true,"Count Failed

Values":true},{"ID":28,"Name":"internal.metrics.executorCpuTime","Update":2962225313,"Value":4 3046457724,"Internal":true,"Count Failed

Values":true},{"ID":27,"Name":"internal.metrics.executorRunTime","Update":3215,"Value":50034,"Internal":true,"Count Failed

Values":true},{"ID":26,"Name":"internal.metrics.executorDeserializeCpuTime","Update":9409969,"Values":278401874,"Internal":true,"Count Failed

Values":true},{"ID":25,"Name":"internal.metrics.executorDeserializeTime","Update":9,"Value":487,"Internal":true,"Count Failed Values":true}]},"Task Metrics":{"Executor Deserialize Time":9,"Executor Deserialize CPU Time":9409969,"Executor Run Time":3215,"Executor CPU

Time":2962225313,"Result Size":998,"JVM GC Time":39,"Result Serialization Time":0,"Memory Bytes Spilled":0,"Disk Bytes Spilled":0,"Shuffle Read Metrics":{"Remote Blocks Fetched":0,"Local Blocks Fetched":0,"Fetch Wait Time":0,"Remote Bytes Read":0,"Remote Bytes Read To Disk":0,"Local Bytes Read":0,"Total Records Read":0},"Shuffle Write Metrics":{"Shuffle Bytes Written":0,"Shuffle Write Time":0,"Shuffle Records Written":0},"Input Metrics":{"Bytes Read":134283264,"Records Read":1521715},"Output Metrics":{"Bytes Written":78339,"Records Written":863},"Updated Blocks":[]}}

{"Event":"SparkListenerTaskStart","Stage ID":1,"Stage Attempt ID":0,"Task Info":{"Task ID":59,"Index":20,"Attempt":0,"Launch Time":1561374508289,"Executor ID":"1","Host":"ip-10-0-0-201.ec2.internal","Locality":"NODE\_LOCAL","Speculative":false,"Getting Result Time":0,"Finish Time":0,"Failed":false,"Killed":false,"Accumulables":[]}}

{"Event":"SparkListenerTaskEnd","Stage ID":1,"Stage Attempt ID":0,"Task Type":"ResultTask","Task End Reason":{"Reason":"Success"},"Task Info":{"Task ID":56,"Index":17,"Attempt":0,"Launch Time":1561374505792,"Executor ID":"1","Host":"ip-10-0-0-

201.ec2.internal","Locality":"NODE\_LOCAL","Speculative":false,"Getting Result Time":0,"Finish Time":1561374508290,"Failed":false,"Killed":false,"Accumulables":[{"ID":49,"Name":"internal.metrics.output.recordsWritten","Update":679,"Value":15883,"Internal":true,"Count Failed

Values":true},{"ID":48,"Name":"internal.metrics.output.bytesWritten","Update":61665,"Value":1436 772,"Internal":true,"Count Failed

Values":true},{"ID":47,"Name":"internal.metrics.input.recordsRead","Update":1336216,"Value":259 56104,"Internal":true,"Count Failed

Values":true},{"ID":46,"Name":"internal.metrics.input.bytesRead","Update":117983715,"Value":228 9610324,"Internal":true,"Count Failed

Values":true},{"ID":30,"Name":"internal.metrics.jvmGCTime","Update":24,"Value":750,"Internal":true, "Count Failed":124,"Value":750,"Internal":true, "Count Failed":124,"Value"

Values":true},{"ID":29,"Name":"internal.metrics.resultSize","Update":998,"Value":18179,"Internal":true,"Count Failed

Values":true},{"ID":28,"Name":"internal.metrics.executorCpuTime","Update":1913930393,"Value":4 4960388117,"Internal":true,"Count Failed

Values":true},{"ID":27,"Name":"internal.metrics.executorRunTime","Update":2469,"Value":52503,"Internal":true,"Count Failed

Values":true},{"ID":26,"Name":"internal.metrics.executorDeserializeCpuTime","Update":10075792," Value":288477666,"Internal":true,"Count Failed

Values":true},{"ID":25,"Name":"internal.metrics.executorDeserializeTime","Update":11,"Value":498, "Internal":true,"Count Failed Values":true}]},"Task Metrics":{"Executor Deserialize

Time":11,"Executor Deserialize CPU Time":10075792,"Executor Run Time":2469,"Executor CPU Time":1913930393,"Result Size":998,"JVM GC Time":24,"Result Serialization Time":0,"Memory Bytes Spilled":0,"Disk Bytes Spilled":0,"Shuffle Read Metrics":{"Remote Blocks Fetched":0,"Local Blocks Fetched":0,"Fetch Wait Time":0,"Remote Bytes Read":0,"Remote Bytes Read To Disk":0,"Local Bytes Read":0,"Total Records Read":0,"Shuffle Write Metrics":{"Shuffle Bytes Written":0,"Shuffle Write Time":0,"Shuffle Records Written":0},"Input Metrics":{"Bytes Read":117983715,"Records Read":1336216},"Output Metrics":{"Bytes Written":61665,"Records Written":679},"Updated Blocks":[]}}

{"Event":"SparkListenerTaskStart","Stage ID":1,"Stage Attempt ID":0,"Task Info":{"Task ID":60,"Index":21,"Attempt":0,"Launch Time":1561374509679,"Executor ID":"2","Host":"ip-10-0-0-201.ec2.internal","Locality":"NODE\_LOCAL","Speculative":false,"Getting Result Time":0,"Finish Time":0,"Failed":false,"Killed":false,"Accumulables":[]}}

{"Event":"SparkListenerTaskEnd","Stage ID":1,"Stage Attempt ID":0,"Task Type":"ResultTask","Task End Reason":{"Reason":"Success"},"Task Info":{"Task ID":57,"Index":18,"Attempt":0,"Launch Time":1561374506871,"Executor ID":"2","Host":"ip-10-0-0-

201.ec2.internal","Locality":"NODE\_LOCAL","Speculative":false,"Getting Result Time":0,"Finish Time":1561374509680,"Failed":false,"Killed":false,"Accumulables":[{"ID":49,"Name":"internal.metrics.output.recordsWritten","Update":865,"Value":16748,"Internal":true,"Count Failed Values":true},{"ID":48,"Name":"internal.metrics.output.bytesWritten","Update":78563,"Value":1515 335,"Internal":true,"Count Failed

Values":true},{"ID":47,"Name":"internal.metrics.input.recordsRead","Update":1520517,"Value":274 76621,"Internal":true,"Count Failed

Values":true},{"ID":46,"Name":"internal.metrics.input.bytesRead","Update":134283264,"Value":242 3893588,"Internal":true,"Count Failed

Values":true},{"ID":31,"Name":"internal.metrics.resultSerializationTime","Update":1,"Value":7,"Internal":true,"Count Failed

Values":true},{"ID":30,"Name":"internal.metrics.jvmGCTime","Update":47,"Value":797,"Internal":true, "Count Failed":47,"Value":797,"Internal":true, "Count Failed":47,"Value":47,"Valu

Values":true},{"ID":29,"Name":"internal.metrics.resultSize","Update":1041,"Value":19220,"Internal":true,"Count Failed

Values":true},{"ID":28,"Name":"internal.metrics.executorCpuTime","Update":2645101609,"Value":4 7605489726,"Internal":true,"Count Failed

Values":true},{"ID":27,"Name":"internal.metrics.executorRunTime","Update":2785,"Value":55288,"Internal":true,"Count Failed

Values":true},{"ID":26,"Name":"internal.metrics.executorDeserializeCpuTime","Update":8805052,"V alue":297282718,"Internal":true,"Count Failed

Values":true},{"ID":25,"Name":"internal.metrics.executorDeserializeTime","Update":9,"Value":507,"Internal":true,"Count Failed Values":true}]},"Task Metrics":{"Executor Deserialize Time":9,"Executor Deserialize CPU Time":8805052,"Executor Run Time":2785,"Executor CPU

Time":2645101609,"Result Size":1041,"JVM GC Time":47,"Result Serialization Time":1,"Memory Bytes Spilled":0,"Disk Bytes Spilled":0,"Shuffle Read Metrics":{"Remote Blocks Fetched":0,"Local Blocks Fetched":0,"Fetch Wait Time":0,"Remote Bytes Read":0,"Remote Bytes Read To Disk":0,"Local Bytes Read":0,"Total Records Read":0},"Shuffle Write Metrics":{"Shuffle Bytes Written":0,"Shuffle Write Time":0,"Shuffle Records Written":0},"Input Metrics":{"Bytes Read":134283264,"Records Read":1520517},"Output Metrics":{"Bytes Written":78563,"Records Written":865},"Updated Blocks":[]}}

{"Event":"SparkListenerTaskStart","Stage ID":1,"Stage Attempt ID":0,"Task Info":{"Task ID":61,"Index":22,"Attempt":0,"Launch Time":1561374510899,"Executor ID":"3","Host":"ip-10-0-0-201.ec2.internal","Locality":"NODE\_LOCAL","Speculative":false,"Getting Result Time":0,"Finish Time":0,"Failed":false,"Killed":false,"Accumulables":[]}}

{"Event":"SparkListenerTaskEnd","Stage ID":1,"Stage Attempt ID":0,"Task Type":"ResultTask","Task End Reason":{"Reason":"Success"},"Task Info":{"Task ID":58,"Index":19,"Attempt":0,"Launch Time":1561374508140,"Executor ID":"3","Host":"ip-10-0-0-

201.ec2.internal","Locality":"NODE\_LOCAL","Speculative":false,"Getting Result Time":0,"Finish Time":1561374510900,"Failed":false,"Killed":false,"Accumulables":[{"ID":49,"Name":"internal.metrics.output.recordsWritten","Update":848,"Value":17596,"Internal":true,"Count Failed Values":true},{"ID":48,"Name":"internal.metrics.output.bytesWritten","Update":76860,"Value":1592 195,"Internal":true,"Count Failed

Values":true},{"ID":47,"Name":"internal.metrics.input.recordsRead","Update":1522176,"Value":289 98797,"Internal":true,"Count Failed

Values":true},{"ID":46,"Name":"internal.metrics.input.bytesRead","Update":134283264,"Value":255 8176852,"Internal":true,"Count Failed

Values":true},{"ID":30,"Name":"internal.metrics.jvmGCTime","Update":43,"Value":840,"Internal":true, "Count Failed":43,"Value":840,"Internal":true, "Count Failed":440,"Value, "Count Failed":440,"

Values":true},{"ID":29,"Name":"internal.metrics.resultSize","Update":998,"Value":20218,"Internal":true,"Count Failed

Values":true},{"ID":28,"Name":"internal.metrics.executorCpuTime","Update":2528010380,"Value":5 0133500106,"Internal":true,"Count Failed

Values":true},{"ID":27,"Name":"internal.metrics.executorRunTime","Update":2725,"Value":58013,"Internal":true,"Count Failed

Values":true},{"ID":26,"Name":"internal.metrics.executorDeserializeCpuTime","Update":9492061,"Values":306774779,"Internal":true,"Count Failed

Values":true},{"ID":25,"Name":"internal.metrics.executorDeserializeTime","Update":13,"Value":520, "Internal":true,"Count Failed Values":true}]},"Task Metrics":{"Executor Deserialize

Time":13,"Executor Deserialize CPU Time":9492061,"Executor Run Time":2725,"Executor CPU Time":2528010380,"Result Size":998,"JVM GC Time":43,"Result Serialization Time":0,"Memory Bytes Spilled":0,"Disk Bytes Spilled":0,"Shuffle Read Metrics":{"Remote Blocks Fetched":0,"Local Blocks Fetched":0,"Fetch Wait Time":0,"Remote Bytes Read":0,"Remote Bytes Read To Disk":0,"Local Bytes Read":0,"Total Records Read":0,"Shuffle Write Metrics":{"Shuffle Bytes Written":0,"Shuffle Write Time":0,"Shuffle Records Written":0},"Input Metrics":{"Bytes Read":134283264,"Records Read":1522176},"Output Metrics":{"Bytes Written":76860,"Records Written":848},"Updated Blocks":[]}}

{"Event":"SparkListenerTaskStart","Stage ID":1,"Stage Attempt ID":0,"Task Info":{"Task ID":62,"Index":23,"Attempt":0,"Launch Time":1561374511374,"Executor ID":"1","Host":"ip-10-0-0-201.ec2.internal","Locality":"NODE\_LOCAL","Speculative":false,"Getting Result Time":0,"Finish Time":0,"Failed":false,"Killed":false,"Accumulables":[]}}

{"Event":"SparkListenerTaskEnd","Stage ID":1,"Stage Attempt ID":0,"Task Type":"ResultTask","Task End Reason":{"Reason":"Success"},"Task Info":{"Task ID":59,"Index":20,"Attempt":0,"Launch Time":1561374508289,"Executor ID":"1","Host":"ip-10-0-0-

201.ec2.internal","Locality":"NODE\_LOCAL","Speculative":false,"Getting Result Time":0,"Finish Time":1561374511375,"Failed":false,"Killed":false,"Accumulables":[{"ID":49,"Name":"internal.metrics.output.recordsWritten","Update":759,"Value":18355,"Internal":true,"Count Failed

Values":true},{"ID":48,"Name":"internal.metrics.output.bytesWritten","Update":68882,"Value":1661 077,"Internal":true,"Count Failed

Values":true},{"ID":47,"Name":"internal.metrics.input.recordsRead","Update":1521191,"Value":305 19988,"Internal":true,"Count Failed

Values":true},{"ID":46,"Name":"internal.metrics.input.bytesRead","Update":134283264,"Value":269 2460116,"Internal":true,"Count Failed

Values":true},{"ID":30,"Name":"internal.metrics.jvmGCTime","Update":43,"Value":883,"Internal":true, "Count Failed":43,"Value":883,"Internal":true, "Count Failed":43,"Value":883

Values":true},{"ID":29,"Name":"internal.metrics.resultSize","Update":998,"Value":21216,"Internal":true,"Count Failed

Values":true},{"ID":28,"Name":"internal.metrics.executorCpuTime","Update":2957997208,"Value":5 3091497314,"Internal":true,"Count Failed

Values":true},{"ID":27,"Name":"internal.metrics.executorRunTime","Update":3065,"Value":61078,"Internal":true,"Count Failed

Values":true},{"ID":26,"Name":"internal.metrics.executorDeserializeCpuTime","Update":9093542,"Values":315868321,"Internal":true,"Count Failed

Values":true},{"ID":25,"Name":"internal.metrics.executorDeserializeTime","Update":9,"Value":529,"Internal":true,"Count Failed Values":true}]},"Task Metrics":{"Executor Deserialize Time":9,"Executor Deserialize CPU Time":9093542,"Executor Run Time":3065,"Executor CPU

Time":2957997208,"Result Size":998,"JVM GC Time":43,"Result Serialization Time":0,"Memory Bytes Spilled":0,"Disk Bytes Spilled":0,"Shuffle Read Metrics":{"Remote Blocks Fetched":0,"Local Blocks Fetched":0,"Fetch Wait Time":0,"Remote Bytes Read":0,"Remote Bytes Read To Disk":0,"Local Bytes Read":0,"Total Records Read":0},"Shuffle Write Metrics":{"Shuffle Bytes Written":0,"Shuffle Write Time":0,"Shuffle Records Written":0},"Input Metrics":{"Bytes Read":134283264,"Records Read":1521191},"Output Metrics":{"Bytes Written":68882,"Records Written":759},"Updated Blocks":[]}}

{"Event":"SparkListenerTaskStart","Stage ID":1,"Stage Attempt ID":0,"Task Info":{"Task ID":63,"Index":24,"Attempt":0,"Launch Time":1561374513378,"Executor ID":"2","Host":"ip-10-0-0-201.ec2.internal","Locality":"NODE\_LOCAL","Speculative":false,"Getting Result Time":0,"Finish Time":0,"Failed":false,"Killed":false,"Accumulables":[]}}

{"Event":"SparkListenerTaskEnd","Stage ID":1,"Stage Attempt ID":0,"Task Type":"ResultTask","Task End Reason":{"Reason":"Success"},"Task Info":{"Task ID":60,"Index":21,"Attempt":0,"Launch Time":1561374509679,"Executor ID":"2","Host":"ip-10-0-0-

201.ec2.internal","Locality":"NODE\_LOCAL","Speculative":false,"Getting Result Time":0,"Finish Time":1561374513380,"Failed":false,"Killed":false,"Accumulables":[{"ID":49,"Name":"internal.metrics.output.recordsWritten","Update":948,"Value":19303,"Internal":true,"Count Failed

Values":true},{"ID":48,"Name":"internal.metrics.output.bytesWritten","Update":85956,"Value":1747 033,"Internal":true,"Count Failed

Values":true},{"ID":47,"Name":"internal.metrics.input.recordsRead","Update":1519741,"Value":320 39729,"Internal":true,"Count Failed

Values":true},{"ID":46,"Name":"internal.metrics.input.bytesRead","Update":134283264,"Value":282 6743380,"Internal":true,"Count Failed

Values":true},{"ID":30,"Name":"internal.metrics.jvmGCTime","Update":40,"Value":923,"Internal":true, "Count Failed":40,"Value":923,"Internal":true, "Count Failed":40,"Value":923,"V

Values":true},{"ID":29,"Name":"internal.metrics.resultSize","Update":998,"Value":22214,"Internal":true,"Count Failed

Values":true},{"ID":28,"Name":"internal.metrics.executorCpuTime","Update":3117488548,"Value":5

6208985862,"Internal":true,"Count Failed

Values":true},{"ID":27,"Name":"internal.metrics.executorRunTime","Update":3674,"Value":64752,"Internal":true,"Count Failed

Values":true},{"ID":26,"Name":"internal.metrics.executorDeserializeCpuTime","Update":8717624,"Values":324585945,"Internal":true,"Count Failed

Values":true},{"ID":25,"Name":"internal.metrics.executorDeserializeTime","Update":9,"Value":538,"Internal":true,"Count Failed Values":true}]},"Task Metrics":{"Executor Deserialize Time":9,"Executor Deserialize CPU Time":8717624,"Executor Run Time":3674,"Executor CPU

Time":3117488548,"Result Size":998,"JVM GC Time":40,"Result Serialization Time":0,"Memory Bytes Spilled":0,"Disk Bytes Spilled":0,"Shuffle Read Metrics":{"Remote Blocks Fetched":0,"Local Blocks Fetched":0,"Fetch Wait Time":0,"Remote Bytes Read":0,"Remote Bytes Read To Disk":0,"Local Bytes Read":0,"Total Records Read":0},"Shuffle Write Metrics":{"Shuffle Bytes Written":0,"Shuffle Write Time":0,"Shuffle Records Written":0},"Input Metrics":{"Bytes Read":134283264,"Records Read":1519741},"Output Metrics":{"Bytes Written":85956,"Records Written":948},"Updated Blocks":[]}}

{"Event":"SparkListenerTaskStart","Stage ID":1,"Stage Attempt ID":0,"Task Info":{"Task ID":64,"Index":25,"Attempt":0,"Launch Time":1561374513852,"Executor ID":"1","Host":"ip-10-0-0-201.ec2.internal","Locality":"NODE\_LOCAL","Speculative":false,"Getting Result Time":0,"Finish Time":0,"Failed":false,"Killed":false,"Accumulables":[]}}

{"Event":"SparkListenerTaskEnd","Stage ID":1,"Stage Attempt ID":0,"Task Type":"ResultTask","Task End Reason":{"Reason":"Success"},"Task Info":{"Task ID":62,"Index":23,"Attempt":0,"Launch Time":1561374511374,"Executor ID":"1","Host":"ip-10-0-0-

201.ec2.internal","Locality":"NODE\_LOCAL","Speculative":false,"Getting Result Time":0,"Finish Time":1561374513853,"Failed":false,"Killed":false,"Accumulables":[{"ID":49,"Name":"internal.metrics.output.recordsWritten","Update":796,"Value":20099,"Internal":true,"Count Failed Values":true},{"ID":48,"Name":"internal.metrics.output.bytesWritten","Update":72180,"Value":1819 213,"Internal":true,"Count Failed

Values":true},{"ID":47,"Name":"internal.metrics.input.recordsRead","Update":1520584,"Value":335 60313,"Internal":true,"Count Failed

Values":true},{"ID":46,"Name":"internal.metrics.input.bytesRead","Update":134283264,"Value":296 1026644,"Internal":true,"Count Failed

Values":true},{"ID":30,"Name":"internal.metrics.jvmGCTime","Update":22,"Value":945,"Internal":true, "Count Failed":22,"Value":945,"Internal":true, "Count Failed":12,"Value"

Values":true},{"ID":29,"Name":"internal.metrics.resultSize","Update":998,"Value":23212,"Internal":true,"Count Failed

Values":true},{"ID":28,"Name":"internal.metrics.executorCpuTime","Update":2350168749,"Value":5 8559154611,"Internal":true,"Count Failed

Values":true},{"ID":27,"Name":"internal.metrics.executorRunTime","Update":2453,"Value":67205,"Internal":true,"Count Failed

Values":true},{"ID":26,"Name":"internal.metrics.executorDeserializeCpuTime","Update":6608954,"V alue":331194899,"Internal":true,"Count Failed

Values":true},{"ID":25,"Name":"internal.metrics.executorDeserializeTime","Update":6,"Value":544,"Internal":true,"Count Failed Values":true}]},"Task Metrics":{"Executor Deserialize Time":6,"Executor Deserialize CPU Time":6608954,"Executor Run Time":2453,"Executor CPU

Time":2350168749,"Result Size":998,"JVM GC Time":22,"Result Serialization Time":0,"Memory Bytes Spilled":0,"Disk Bytes Spilled":0,"Shuffle Read Metrics":{"Remote Blocks Fetched":0,"Local Blocks Fetched":0,"Fetch Wait Time":0,"Remote Bytes Read":0,"Remote Bytes Read To Disk":0,"Local Bytes

Read":0,"Total Records Read":0},"Shuffle Write Metrics":{"Shuffle Bytes Written":0,"Shuffle Write Time":0,"Shuffle Records Written":0},"Input Metrics":{"Bytes Read":134283264,"Records Read":1520584},"Output Metrics":{"Bytes Written":72180,"Records Written":796},"Updated Blocks":[]}}

{"Event":"SparkListenerTaskStart","Stage ID":1,"Stage Attempt ID":0,"Task Info":{"Task ID":65,"Index":26,"Attempt":0,"Launch Time":1561374514146,"Executor ID":"3","Host":"ip-10-0-0-201.ec2.internal","Locality":"NODE\_LOCAL","Speculative":false,"Getting Result Time":0,"Finish Time":0,"Failed":false,"Killed":false,"Accumulables":[]}}

{"Event":"SparkListenerTaskEnd","Stage ID":1,"Stage Attempt ID":0,"Task Type":"ResultTask","Task End Reason":{"Reason":"Success"},"Task Info":{"Task ID":61,"Index":22,"Attempt":0,"Launch Time":1561374510899,"Executor ID":"3","Host":"ip-10-0-0-

201.ec2.internal","Locality":"NODE\_LOCAL","Speculative":false,"Getting Result Time":0,"Finish Time":1561374514151,"Failed":false,"Killed":false,"Accumulables":[{"ID":49,"Name":"internal.metrics.output.recordsWritten","Update":834,"Value":20933,"Internal":true,"Count Failed

Values":true},{"ID":48,"Name":"internal.metrics.output.bytesWritten","Update":75675,"Value":1894 888,"Internal":true,"Count Failed

Values":true},{"ID":47,"Name":"internal.metrics.input.recordsRead","Update":1521576,"Value":350 81889,"Internal":true,"Count Failed

Values":true},{"ID":46,"Name":"internal.metrics.input.bytesRead","Update":134283264,"Value":309 5309908,"Internal":true,"Count Failed

Values":true},{"ID":30,"Name":"internal.metrics.jvmGCTime","Update":40,"Value":985,"Internal":true, "Count Failed":40,"Value":985,"Internal":true, "Count Failed":40,"Value":

Values":true},{"ID":29,"Name":"internal.metrics.resultSize","Update":998,"Value":24210,"Internal":true,"Count Failed

Values":true},{"ID":28,"Name":"internal.metrics.executorCpuTime","Update":2381300751,"Value":6 0940455362,"Internal":true,"Count Failed

Values":true},{"ID":27,"Name":"internal.metrics.executorRunTime","Update":3215,"Value":70420,"Internal":true,"Count Failed

Values":true},{"ID":26,"Name":"internal.metrics.executorDeserializeCpuTime","Update":9329301,"V alue":340524200,"Internal":true,"Count Failed

Values":true},{"ID":25,"Name":"internal.metrics.executorDeserializeTime","Update":10,"Value":554, "Internal":true,"Count Failed Values":true}]},"Task Metrics":{"Executor Deserialize

Time":10,"Executor Deserialize CPU Time":9329301,"Executor Run Time":3215,"Executor CPU Time":2381300751,"Result Size":998,"JVM GC Time":40,"Result Serialization Time":0,"Memory Bytes Spilled":0,"Disk Bytes Spilled":0,"Shuffle Read Metrics":{"Remote Blocks Fetched":0,"Local Blocks Fetched":0,"Fetch Wait Time":0,"Remote Bytes Read":0,"Remote Bytes Read To Disk":0,"Local Bytes Read":0,"Total Records Read":0,"Shuffle Write Metrics":{"Shuffle Bytes Written":0,"Shuffle Write Time":0,"Shuffle Records Written":0},"Input Metrics":{"Bytes Read":134283264,"Records Read":1521576},"Output Metrics":{"Bytes Written":75675,"Records Written":834},"Updated Blocks":[]}}

{"Event":"SparkListenerTaskStart","Stage ID":1,"Stage Attempt ID":0,"Task Info":{"Task ID":66,"Index":27,"Attempt":0,"Launch Time":1561374514973,"Executor ID":"2","Host":"ip-10-0-0-201.ec2.internal","Locality":"NODE\_LOCAL","Speculative":false,"Getting Result Time":0,"Finish Time":0,"Failed":false,"Killed":false,"Accumulables":[]}}

{"Event":"SparkListenerTaskEnd","Stage ID":1,"Stage Attempt ID":0,"Task Type":"ResultTask","Task End Reason":{"Reason":Success"},"Task Info":{"Task ID":63,"Index":24,"Attempt":0,"Launch

Time":1561374513378,"Executor ID":"2","Host":"ip-10-0-0-

201.ec2.internal","Locality":"NODE\_LOCAL","Speculative":false,"Getting Result Time":0,"Finish Time":1561374514985,"Failed":false,"Killed":false,"Accumulables":[{"ID":49,"Name":"internal.metrics.output.recordsWritten","Update":350,"Value":21283,"Internal":true,"Count Failed Values":true},{"ID":48,"Name":"internal.metrics.output.bytesWritten","Update":31689,"Value":1926

Values":true},{"ID":48,"Name":"internal.metrics.output.bytesWritten","Update":31689,"Value":1926 577,"Internal":true,"Count Failed

Values":true},{"ID":47,"Name":"internal.metrics.input.recordsRead","Update":643032,"Value":3572 4921,"Internal":true,"Count Failed

Values":true},{"ID":46,"Name":"internal.metrics.input.bytesRead","Update":56688482,"Value":3151 998390,"Internal":true,"Count Failed

Values":true},{"ID":30,"Name":"internal.metrics.jvmGCTime","Update":13,"Value":998,"Internal":true, "Count Failed":13,"Value":998,"Internal":true, "Count Failed":13,"Value":998,"Internal":true, "Count Failed":13,"Value":998,"Internal":true, "Count Failed":13,"Value":998,"Internal":true, "Count Failed":13,"Value":998,"Internal":true, "Count Failed":13,"Value":13,"Value":14, "Count Failed":15, "Count Failed":15, "Count Failed":15, "Count Failed":15, "Count Failed":16, "Count Failed":16

Values":true},{"ID":29,"Name":"internal.metrics.resultSize","Update":998,"Value":25208,"Internal":true,"Count Failed

Values":true},{"ID":28,"Name":"internal.metrics.executorCpuTime","Update":1008520962,"Value":6 1948976324,"Internal":true,"Count Failed

Values":true},{"ID":27,"Name":"internal.metrics.executorRunTime","Update":1572,"Value":71992,"Internal":true,"Count Failed

Values":true},{"ID":26,"Name":"internal.metrics.executorDeserializeCpuTime","Update":9407348,"Values":349931548,"Internal":true,"Count Failed

Values":true},{"ID":25,"Name":"internal.metrics.executorDeserializeTime","Update":9,"Value":563,"Internal":true,"Count Failed Values":true}]},"Task Metrics":{"Executor Deserialize Time":9,"Executor Deserialize CPU Time":9407348,"Executor Run Time":1572,"Executor CPU

Time":1008520962,"Result Size":998,"JVM GC Time":13,"Result Serialization Time":0,"Memory Bytes Spilled":0,"Disk Bytes Spilled":0,"Shuffle Read Metrics":{"Remote Blocks Fetched":0,"Local Blocks Fetched":0,"Fetch Wait Time":0,"Remote Bytes Read":0,"Remote Bytes Read To Disk":0,"Local Bytes Read":0,"Total Records Read":0},"Shuffle Write Metrics":{"Shuffle Bytes Written":0,"Shuffle Write Time":0,"Shuffle Records Written":0},"Input Metrics":{"Bytes Read":56688482,"Records Read":643032},"Output Metrics":{"Bytes Written":31689,"Records Written":350},"Updated Blocks":[]}}

{"Event":"SparkListenerTaskStart","Stage ID":1,"Stage Attempt ID":0,"Task Info":{"Task ID":67,"Index":28,"Attempt":0,"Launch Time":1561374516457,"Executor ID":"1","Host":"ip-10-0-0-201.ec2.internal","Locality":"NODE\_LOCAL","Speculative":false,"Getting Result Time":0,"Finish Time":0,"Failed":false,"Killed":false,"Accumulables":[]}}

{"Event":"SparkListenerTaskEnd","Stage ID":1,"Stage Attempt ID":0,"Task Type":"ResultTask","Task End Reason":{"Reason":"Success"},"Task Info":{"Task ID":64,"Index":25,"Attempt":0,"Launch Time":1561374513852,"Executor ID":"1","Host":"ip-10-0-0-

201.ec2.internal","Locality":"NODE\_LOCAL","Speculative":false,"Getting Result Time":0,"Finish Time":1561374516464,"Failed":false,"Killed":false,"Accumulables":[{"ID":49,"Name":"internal.metrics.output.recordsWritten","Update":752,"Value":22035,"Internal":true,"Count Failed Values":true},{"ID":48,"Name":"internal.metrics.output.bytesWritten","Update":68164,"Value":1994 741,"Internal":true,"Count Failed

Values":true},{"ID":47,"Name":"internal.metrics.input.recordsRead","Update":1520515,"Value":372 45436,"Internal":true,"Count Failed

Values":true},{"ID":46,"Name":"internal.metrics.input.bytesRead","Update":134283264,"Value":328 6281654,"Internal":true,"Count Failed

Values":true},{"ID":31,"Name":"internal.metrics.resultSerializationTime","Update":1,"Value":8,"Inter

nal":true,"Count Failed

Values":true},{"ID":30,"Name":"internal.metrics.jvmGCTime","Update":29,"Value":1027,"Internal":true,"Count Failed

Values":true},{"ID":29,"Name":"internal.metrics.resultSize","Update":1041,"Value":26249,"Internal":true,"Count Failed

Values":true},{"ID":28,"Name":"internal.metrics.executorCpuTime","Update":2272125805,"Value":6 4221102129,"Internal":true,"Count Failed

Values":true},{"ID":27,"Name":"internal.metrics.executorRunTime","Update":2580,"Value":74572,"Internal":true,"Count Failed

Values":true},{"ID":26,"Name":"internal.metrics.executorDeserializeCpuTime","Update":8658887,"V alue":358590435,"Internal":true,"Count Failed

Values":true},{"ID":25,"Name":"internal.metrics.executorDeserializeTime","Update":8,"Value":571,"Internal":true,"Count Failed Values":true}]},"Task Metrics":{"Executor Deserialize Time":8,"Executor Deserialize CPU Time":8658887,"Executor Run Time":2580,"Executor CPU

Time":2272125805,"Result Size":1041,"JVM GC Time":29,"Result Serialization Time":1,"Memory Bytes Spilled":0,"Disk Bytes Spilled":0,"Shuffle Read Metrics":{"Remote Blocks Fetched":0,"Local Blocks Fetched":0,"Fetch Wait Time":0,"Remote Bytes Read":0,"Remote Bytes Read To Disk":0,"Local Bytes Read":0,"Total Records Read":0},"Shuffle Write Metrics":{"Shuffle Bytes Written":0,"Shuffle Write Time":0,"Shuffle Records Written":0},"Input Metrics":{"Bytes Read":134283264,"Records Read":1520515},"Output Metrics":{"Bytes Written":68164,"Records Written":752},"Updated Blocks":[]}}

{"Event":"SparkListenerTaskStart","Stage ID":1,"Stage Attempt ID":0,"Task Info":{"Task ID":68,"Index":29,"Attempt":0,"Launch Time":1561374517710,"Executor ID":"3","Host":"ip-10-0-0-201.ec2.internal","Locality":"NODE\_LOCAL","Speculative":false,"Getting Result Time":0,"Finish Time":0,"Failed":false,"Killed":false,"Accumulables":[]}}

{"Event":"SparkListenerTaskEnd","Stage ID":1,"Stage Attempt ID":0,"Task Type":"ResultTask","Task End Reason":{"Reason":"Success"},"Task Info":{"Task ID":65,"Index":26,"Attempt":0,"Launch Time":1561374514146,"Executor ID":"3","Host":"ip-10-0-0-

201.ec2.internal","Locality":"NODE\_LOCAL","Speculative":false,"Getting Result Time":0,"Finish Time":1561374517712,"Failed":false,"Killed":false,"Accumulables":[{"ID":49,"Name":"internal.metrics.output.recordsWritten","Update":840,"Value":22875,"Internal":true,"Count Failed

Values":true},{"ID":48,"Name":"internal.metrics.output.bytesWritten","Update":76493,"Value":2071 234,"Internal":true,"Count Failed

Values":true},{"ID":47,"Name":"internal.metrics.input.recordsRead","Update":1519816,"Value":387 65252,"Internal":true,"Count Failed

Values":true},{"ID":46,"Name":"internal.metrics.input.bytesRead","Update":134283264,"Value":342 0564918,"Internal":true,"Count Failed

Values":true},{"ID":31,"Name":"internal.metrics.resultSerializationTime","Update":1,"Value":9,"Internal":true,"Count Failed

Values":true},{"ID":30,"Name":"internal.metrics.jvmGCTime","Update":37,"Value":1064,"Internal":true,"Count Failed

Values":true},{"ID":29,"Name":"internal.metrics.resultSize","Update":1041,"Value":27290,"Internal":true,"Count Failed

Values":true},{"ID":28,"Name":"internal.metrics.executorCpuTime","Update":3003528605,"Value":6 7224630734,"Internal":true,"Count Failed

Values":true},{"ID":27,"Name":"internal.metrics.executorRunTime","Update":3525,"Value":78097,"Internal":true,"Count Failed

Values":true},{"ID":26,"Name":"internal.metrics.executorDeserializeCpuTime","Update":9128086,"Values":367718521,"Internal":true,"Count Failed

Values":true},{"ID":25,"Name":"internal.metrics.executorDeserializeTime","Update":10,"Value":581, "Internal":true,"Count Failed Values":true}]},"Task Metrics":{"Executor Deserialize Time":10,"Executor Deserialize CPU Time":9128086,"Executor Run Time":3525,"Executor CPU Time":3003528605,"Result Size":1041,"JVM GC Time":37,"Result Serialization Time":1,"Memory Bytes Spilled":0,"Disk Bytes Spilled":0,"Shuffle Read Metrics":{"Remote Blocks Fetched":0,"Local Blocks Fetched":0,"Fetch Wait Time":0,"Remote Bytes Read":0,"Remote Bytes Read To Disk":0,"Local Bytes Read":0,"Total Records Read":0},"Shuffle Write Metrics":{"Shuffle Bytes

Written":0,"Shuffle Write Time":0,"Shuffle Records Written":0},"Input Metrics":{"Bytes Read":134283264,"Records Read":1519816},"Output Metrics":{"Bytes Written":76493,"Records Written":840},"Updated Blocks":[]}}

{"Event":"SparkListenerTaskStart","Stage ID":1,"Stage Attempt ID":0,"Task Info":{"Task ID":69,"Index":30,"Attempt":0,"Launch Time":1561374518108,"Executor ID":"2","Host":"ip-10-0-0-201.ec2.internal","Locality":"NODE\_LOCAL","Speculative":false,"Getting Result Time":0,"Finish Time":0,"Failed":false,"Killed":false,"Accumulables":[]}}

{"Event":"SparkListenerTaskEnd","Stage ID":1,"Stage Attempt ID":0,"Task Type":"ResultTask","Task End Reason":{"Reason":"Success"},"Task Info":{"Task ID":66,"Index":27,"Attempt":0,"Launch Time":1561374514973,"Executor ID":"2","Host":"ip-10-0-0-

201.ec2.internal","Locality":"NODE\_LOCAL","Speculative":false,"Getting Result Time":0,"Finish Time":1561374518110,"Failed":false,"Killed":false,"Accumulables":[{"ID":49,"Name":"internal.metri cs.output.recordsWritten","Update":791,"Value":23666,"Internal":true,"Count Failed Values":true},{"ID":48,"Name":"internal.metrics.output.bytesWritten","Update":71766,"Value":2143 000,"Internal":true,"Count Failed

Values":true},{"ID":47,"Name":"internal.metrics.input.recordsRead","Update":1520900,"Value":402 86152,"Internal":true,"Count Failed

Values":true},{"ID":46,"Name":"internal.metrics.input.bytesRead","Update":134283264,"Value":355 4848182,"Internal":true,"Count Failed

Values":true},{"ID":30,"Name":"internal.metrics.jvmGCTime","Update":39,"Value":1103,"Internal":true,"Count Failed

Values":true},{"ID":29,"Name":"internal.metrics.resultSize","Update":998,"Value":28288,"Internal":true,"Count Failed

Values":true},{"ID":28,"Name":"internal.metrics.executorCpuTime","Update":2759242155,"Value":6 9983872889,"Internal":true,"Count Failed

Values":true},{"ID":27,"Name":"internal.metrics.executorRunTime","Update":3102,"Value":81199,"Internal":true,"Count Failed

Values":true},{"ID":26,"Name":"internal.metrics.executorDeserializeCpuTime","Update":8249745,"Value":375968266,"Internal":true,"Count Failed

Values":true},{"ID":25,"Name":"internal.metrics.executorDeserializeTime","Update":9,"Value":590,"Internal":true,"Count Failed Values":true}]},"Task Metrics":{"Executor Deserialize Time":9,"Executor Deserialize CPU Time":8249745,"Executor Run Time":3102,"Executor CPU

Time":2759242155,"Result Size":998,"JVM GC Time":39,"Result Serialization Time":0,"Memory Bytes Spilled":0,"Disk Bytes Spilled":0,"Shuffle Read Metrics":{"Remote Blocks Fetched":0,"Local Blocks Fetched":0,"Fetch Wait Time":0,"Remote Bytes Read":0,"Remote Bytes Read To Disk":0,"Local Bytes Read":0,"Total Records Read":0},"Shuffle Write Metrics":{"Shuffle Bytes Written":0,"Shuffle Write Time":0,"Shuffle Records Written":0},"Input Metrics":{"Bytes Read":134283264,"Records

Read":1520900},"Output Metrics":{"Bytes Written":71766,"Records Written":791},"Updated Blocks":[]}}

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{"Event":"SparkListenerTaskEnd","Stage ID":1,"Stage Attempt ID":0,"Task Type":"ResultTask","Task End Reason":{"Reason":"Success"},"Task Info":{"Task ID":67,"Index":28,"Attempt":0,"Launch Time":1561374516457,"Executor ID":"1","Host":"ip-10-0-0-

201.ec2.internal","Locality":"NODE\_LOCAL","Speculative":false,"Getting Result Time":0,"Finish Time":1561374519578,"Failed":false,"Killed":false,"Accumulables":[{"ID":49,"Name":"internal.metrics.output.recordsWritten","Update":761,"Value":24427,"Internal":true,"Count Failed Values":true},{"ID":48,"Name":"internal.metrics.output.bytesWritten","Update":69453,"Value":2212 453,"Internal":true,"Count Failed

Values":true},{"ID":47,"Name":"internal.metrics.input.recordsRead","Update":1519769,"Value":418 05921,"Internal":true,"Count Failed

Values":true},{"ID":46,"Name":"internal.metrics.input.bytesRead","Update":134283264,"Value":368 9131446,"Internal":true,"Count Failed

Values":true},{"ID":30,"Name":"internal.metrics.jvmGCTime","Update":31,"Value":1134,"Internal":true,"Count Failed

Values":true},{"ID":29,"Name":"internal.metrics.resultSize","Update":998,"Value":29286,"Internal":true,"Count Failed

Values":true},{"ID":28,"Name":"internal.metrics.executorCpuTime","Update":2593860089,"Value":7 2577732978,"Internal":true,"Count Failed

Values":true},{"ID":27,"Name":"internal.metrics.executorRunTime","Update":3101,"Value":84300,"Internal":true,"Count Failed

Values":true},{"ID":26,"Name":"internal.metrics.executorDeserializeCpuTime","Update":6193191,"Values":382161457,"Internal":true,"Count Failed

Values":true},{"ID":25,"Name":"internal.metrics.executorDeserializeTime","Update":7,"Value":597,"Internal":true,"Count Failed Values":true}]},"Task Metrics":{"Executor Deserialize Time":7,"Executor Deserialize CPU Time":6193191,"Executor Run Time":3101,"Executor CPU

Time":2593860089,"Result Size":998,"JVM GC Time":31,"Result Serialization Time":0,"Memory Bytes Spilled":0,"Disk Bytes Spilled":0,"Shuffle Read Metrics":{"Remote Blocks Fetched":0,"Local Blocks Fetched":0,"Fetch Wait Time":0,"Remote Bytes Read":0,"Remote Bytes Read To Disk":0,"Local Bytes Read":0,"Total Records Read":0},"Shuffle Write Metrics":{"Shuffle Bytes Written":0,"Shuffle Write Time":0,"Shuffle Records Written":0},"Input Metrics":{"Bytes Read":134283264,"Records Read":1519769},"Output Metrics":{"Bytes Written":69453,"Records Written":761},"Updated Blocks":[]}}

{"Event":"SparkListenerTaskStart","Stage ID":1,"Stage Attempt ID":0,"Task Info":{"Task ID":71,"Index":32,"Attempt":0,"Launch Time":1561374520411,"Executor ID":"1","Host":"ip-10-0-0-201.ec2.internal","Locality":"NODE\_LOCAL","Speculative":false,"Getting Result Time":0,"Finish Time":0,"Failed":false,"Killed":false,"Accumulables":[]}}

{"Event":"SparkListenerTaskEnd","Stage ID":1,"Stage Attempt ID":0,"Task Type":"ResultTask","Task End Reason":{"Reason":"Success"},"Task Info":{"Task ID":70,"Index":31,"Attempt":0,"Launch Time":1561374519577,"Executor ID":"1","Host":"ip-10-0-0-

201.ec2.internal","Locality":"NODE\_LOCAL","Speculative":false,"Getting Result Time":0,"Finish

Time":1561374520420,"Failed":false,"Killed":false,"Accumulables":[{"ID":49,"Name":"internal.metrics.output.recordsWritten","Update":113,"Value":24540,"Internal":true,"Count Failed

Values":true},{"ID":48,"Name":"internal.metrics.output.bytesWritten","Update":10355,"Value":2222 808,"Internal":true,"Count Failed

Values":true},{"ID":47,"Name":"internal.metrics.input.recordsRead","Update":155972,"Value":4196 1893,"Internal":true,"Count Failed

Values":true},{"ID":46,"Name":"internal.metrics.input.bytesRead","Update":13877504,"Value":3703 008950,"Internal":true,"Count Failed

Values":true},{"ID":30,"Name":"internal.metrics.jvmGCTime","Update":13,"Value":1147,"Internal":true,"Count Failed

Values":true},{"ID":29,"Name":"internal.metrics.resultSize","Update":998,"Value":30284,"Internal":true,"Count Failed

Values":true},{"ID":28,"Name":"internal.metrics.executorCpuTime","Update":348954040,"Value":72 926687018,"Internal":true,"Count Failed

Values":true},{"ID":27,"Name":"internal.metrics.executorRunTime","Update":813,"Value":85113,"Internal":true,"Count Failed

Values":true},{"ID":26,"Name":"internal.metrics.executorDeserializeCpuTime","Update":7339630,"Values":389501087,"Internal":true,"Count Failed

Values":true},{"ID":25,"Name":"internal.metrics.executorDeserializeTime","Update":8,"Value":605,"I nternal":true,"Count Failed Values":true}]},"Task Metrics":{"Executor Deserialize Time":8,"Executor Deserialize CPU Time":7339630,"Executor Run Time":813,"Executor CPU Time":348954040,"Result Size":998,"JVM GC Time":13,"Result Serialization Time":0,"Memory Bytes Spilled":0,"Disk Bytes Spilled":0,"Shuffle Read Metrics":{"Remote Blocks Fetched":0,"Local Blocks Fetched":0,"Fetch Wait Time":0,"Remote Bytes Read":0,"Remote Bytes Read To Disk":0,"Local Bytes Read":0,"Total Records Read":0},"Shuffle Write Metrics":{"Shuffle Bytes Written":0,"Shuffle Write Time":0,"Shuffle Records Written":0},"Input Metrics":{"Bytes Read":13877504,"Records Read":155972},"Output Metrics":{"Bytes Written":10355,"Records Written":113},"Updated Blocks":[]}}

{"Event":"SparkListenerTaskStart","Stage ID":1,"Stage Attempt ID":0,"Task Info":{"Task ID":72,"Index":33,"Attempt":0,"Launch Time":1561374520598,"Executor ID":"2","Host":"ip-10-0-0-201.ec2.internal","Locality":"NODE\_LOCAL","Speculative":false,"Getting Result Time":0,"Finish Time":0,"Failed":false,"Killed":false,"Accumulables":[]}}

{"Event":"SparkListenerTaskEnd","Stage ID":1,"Stage Attempt ID":0,"Task Type":"ResultTask","Task End Reason":{"Reason":"Success"},"Task Info":{"Task ID":69,"Index":30,"Attempt":0,"Launch Time":1561374518108,"Executor ID":"2","Host":"ip-10-0-0-

201.ec2.internal","Locality":"NODE\_LOCAL","Speculative":false,"Getting Result Time":0,"Finish Time":1561374520605,"Failed":false,"Killed":false,"Accumulables":[{"ID":49,"Name":"internal.metri cs.output.recordsWritten","Update":887,"Value":25427,"Internal":true,"Count Failed Values":true},{"ID":48,"Name":"internal.metrics.output.bytesWritten","Update":80156,"Value":2302 964,"Internal":true,"Count Failed

Values":true},{"ID":47,"Name":"internal.metrics.input.recordsRead","Update":1522227,"Value":434 84120,"Internal":true,"Count Failed

Values":true},{"ID":46,"Name":"internal.metrics.input.bytesRead","Update":134283264,"Value":383 7292214,"Internal":true,"Count Failed

Values":true},{"ID":30,"Name":"internal.metrics.jvmGCTime","Update":25,"Value":1172,"Internal":true,"Count Failed

Values":true},{"ID":29,"Name":"internal.metrics.resultSize","Update":998,"Value":31282,"Internal":true,"Count Failed

Values":true},{"ID":28,"Name":"internal.metrics.executorCpuTime","Update":1984596485,"Value":7 4911283503,"Internal":true,"Count Failed

Values":true},{"ID":27,"Name":"internal.metrics.executorRunTime","Update":2467,"Value":87580,"Internal":true,"Count Failed

Values":true},{"ID":26,"Name":"internal.metrics.executorDeserializeCpuTime","Update":5217463,"Values":394718550,"Internal":true,"Count Failed

Values":true},{"ID":25,"Name":"internal.metrics.executorDeserializeTime","Update":5,"Value":610,"Internal":true,"Count Failed Values":true}]},"Task Metrics":{"Executor Deserialize Time":5,"Executor Deserialize CPU Time":5217463,"Executor Run Time":2467,"Executor CPU

Time":1984596485,"Result Size":998,"JVM GC Time":25,"Result Serialization Time":0,"Memory Bytes Spilled":0,"Disk Bytes Spilled":0,"Shuffle Read Metrics":{"Remote Blocks Fetched":0,"Local Blocks Fetched":0,"Fetch Wait Time":0,"Remote Bytes Read":0,"Remote Bytes Read To Disk":0,"Local Bytes Read":0,"Total Records Read":0},"Shuffle Write Metrics":{"Shuffle Bytes Written":0,"Shuffle Write Time":0,"Shuffle Records Written":0},"Input Metrics":{"Bytes Read":134283264,"Records Read":1522227},"Output Metrics":{"Bytes Written":80156,"Records Written":887},"Updated Blocks":[]}}

{"Event":"SparkListenerTaskStart","Stage ID":1,"Stage Attempt ID":0,"Task Info":{"Task ID":73,"Index":34,"Attempt":0,"Launch Time":1561374521152,"Executor ID":"3","Host":"ip-10-0-0-201.ec2.internal","Locality":"NODE\_LOCAL","Speculative":false,"Getting Result Time":0,"Finish Time":0,"Failed":false,"Killed":false,"Accumulables":[]}}

{"Event":"SparkListenerTaskEnd","Stage ID":1,"Stage Attempt ID":0,"Task Type":"ResultTask","Task End Reason":{"Reason":"Success"},"Task Info":{"Task ID":68,"Index":29,"Attempt":0,"Launch Time":1561374517710,"Executor ID":"3","Host":"ip-10-0-0-

201.ec2.internal","Locality":"NODE\_LOCAL","Speculative":false,"Getting Result Time":0,"Finish
Time":1561374521153,"Failed":false,"Killed":false,"Accumulables":[{"ID":49,"Name":"internal.metri
cs.output.recordsWritten","Update":792,"Value":26219,"Internal":true,"Count Failed

Values":true},{"ID":48,"Name":"internal.metrics.output.bytesWritten","Update":71674,"Value":2374 638,"Internal":true,"Count Failed

Values":true},{"ID":47,"Name":"internal.metrics.input.recordsRead","Update":1525606,"Value":450 09726,"Internal":true,"Count Failed

Values":true},{"ID":46,"Name":"internal.metrics.input.bytesRead","Update":134283264,"Value":397 1575478,"Internal":true,"Count Failed

Values":true},{"ID":30,"Name":"internal.metrics.jvmGCTime","Update":29,"Value":1201,"Internal":true,"Count Failed

Values":true},{"ID":29,"Name":"internal.metrics.resultSize","Update":998,"Value":32280,"Internal":true,"Count Failed

Values":true},{"ID":28,"Name":"internal.metrics.executorCpuTime","Update":2528815939,"Value":7 7440099442,"Internal":true,"Count Failed

Values":true},{"ID":27,"Name":"internal.metrics.executorRunTime","Update":3420,"Value":91000,"Internal":true,"Count Failed

Values":true},{"ID":26,"Name":"internal.metrics.executorDeserializeCpuTime","Update":8505944,"Values":403224494,"Internal":true,"Count Failed

Values":true},{"ID":25,"Name":"internal.metrics.executorDeserializeTime","Update":9,"Value":619,"Internal":true,"Count Failed Values":true}]},"Task Metrics":{"Executor Deserialize Time":9,"Executor Deserialize CPU Time":8505944,"Executor Run Time":3420,"Executor CPU

Time":2528815939, "Result Size":998, "JVM GC Time":29, "Result Serialization Time":0, "Memory Bytes Spilled":0, "Disk Bytes Spilled":0, "Shuffle Read Metrics": {"Remote Blocks Fetched":0, "Local Blocks

Fetched":0,"Fetch Wait Time":0,"Remote Bytes Read":0,"Remote Bytes Read To Disk":0,"Local Bytes Read":0,"Total Records Read":0},"Shuffle Write Metrics":{"Shuffle Bytes Written":0,"Shuffle Write Time":0,"Shuffle Records Written":0},"Input Metrics":{"Bytes Read":134283264,"Records Read":1525606},"Output Metrics":{"Bytes Written":71674,"Records Written":792},"Updated Blocks":[]}}

{"Event":"SparkListenerTaskStart","Stage ID":1,"Stage Attempt ID":0,"Task Info":{"Task ID":74,"Index":35,"Attempt":0,"Launch Time":1561374522717,"Executor ID":"2","Host":"ip-10-0-0-201.ec2.internal","Locality":"NODE\_LOCAL","Speculative":false,"Getting Result Time":0,"Finish Time":0,"Failed":false,"Killed":false,"Accumulables":[]}}

{"Event":"SparkListenerTaskEnd","Stage ID":1,"Stage Attempt ID":0,"Task Type":"ResultTask","Task End Reason":{"Reason":"Success"},"Task Info":{"Task ID":72,"Index":33,"Attempt":0,"Launch Time":1561374520598,"Executor ID":"2","Host":"ip-10-0-0-

201.ec2.internal","Locality":"NODE\_LOCAL","Speculative":false,"Getting Result Time":0,"Finish Time":1561374522719,"Failed":false,"Killed":false,"Accumulables":[{"ID":49,"Name":"internal.metri cs.output.recordsWritten","Update":825,"Value":27044,"Internal":true,"Count Failed Values":true},{"ID":48,"Name":"internal.metrics.output.bytesWritten","Update":75133,"Value":2449 771,"Internal":true,"Count Failed

Values":true},{"ID":47,"Name":"internal.metrics.input.recordsRead","Update":1518046,"Value":465 27772,"Internal":true,"Count Failed

Values":true},{"ID":46,"Name":"internal.metrics.input.bytesRead","Update":134283264,"Value":410 5858742,"Internal":true,"Count Failed

Values":true},{"ID":31,"Name":"internal.metrics.resultSerializationTime","Update":1,"Value":10,"Internal":true,"Count Failed

Values":true},{"ID":30,"Name":"internal.metrics.jvmGCTime","Update":25,"Value":1226,"Internal":true,"Count Failed

Values":true},{"ID":29,"Name":"internal.metrics.resultSize","Update":1041,"Value":33321,"Internal":true,"Count Failed

Values":true},{"ID":28,"Name":"internal.metrics.executorCpuTime","Update":1972478849,"Value":7 9412578291,"Internal":true,"Count Failed

Values":true},{"ID":27,"Name":"internal.metrics.executorRunTime","Update":2088,"Value":93088,"Internal":true,"Count Failed

Values":true},{"ID":26,"Name":"internal.metrics.executorDeserializeCpuTime","Update":7351002,"Values":410575496,"Internal":true,"Count Failed

Values":true},{"ID":25,"Name":"internal.metrics.executorDeserializeTime","Update":7,"Value":626,"Internal":true,"Count Failed Values":true}]},"Task Metrics":{"Executor Deserialize Time":7,"Executor Deserialize CPU Time":7351002,"Executor Run Time":2088,"Executor CPU

Time":1972478849,"Result Size":1041,"JVM GC Time":25,"Result Serialization Time":1,"Memory Bytes Spilled":0,"Disk Bytes Spilled":0,"Shuffle Read Metrics":{"Remote Blocks Fetched":0,"Local Blocks Fetched":0,"Fetch Wait Time":0,"Remote Bytes Read":0,"Remote Bytes Read To Disk":0,"Local Bytes Read":0,"Total Records Read":0},"Shuffle Write Metrics":{"Shuffle Bytes Written":0,"Shuffle Write Time":0,"Shuffle Records Written":0},"Input Metrics":{"Bytes Read":134283264,"Records Read":1518046},"Output Metrics":{"Bytes Written":75133,"Records Written":825},"Updated Blocks":[]}}

{"Event":"SparkListenerTaskStart","Stage ID":1,"Stage Attempt ID":0,"Task Info":{"Task ID":75,"Index":36,"Attempt":0,"Launch Time":1561374523574,"Executor ID":1","Host":"ip-10-0-0-

201.ec2.internal","Locality":"NODE\_LOCAL","Speculative":false,"Getting Result Time":0,"Finish Time":0,"Failed":false,"Killed":false,"Accumulables":[]}}

{"Event":"SparkListenerTaskEnd","Stage ID":1,"Stage Attempt ID":0,"Task Type":"ResultTask","Task End Reason":{"Reason":"Success"},"Task Info":{"Task ID":71,"Index":32,"Attempt":0,"Launch Time":1561374520411,"Executor ID":"1","Host":"ip-10-0-0-

201.ec2.internal","Locality":"NODE\_LOCAL","Speculative":false,"Getting Result Time":0,"Finish Time":1561374523576,"Failed":false,"Killed":false,"Accumulables":[{"ID":49,"Name":"internal.metrics.output.recordsWritten","Update":797,"Value":27841,"Internal":true,"Count Failed Values":true},{"ID":48,"Name":"internal.metrics.output.bytesWritten","Update":72120,"Value":2521 891,"Internal":true,"Count Failed

Values":true},{"ID":47,"Name":"internal.metrics.input.recordsRead","Update":1521660,"Value":480 49432,"Internal":true,"Count Failed

Values":true},{"ID":46,"Name":"internal.metrics.input.bytesRead","Update":134283264,"Value":424 0142006,"Internal":true,"Count Failed

Values":true},{"ID":30,"Name":"internal.metrics.jvmGCTime","Update":40,"Value":1266,"Internal":true,"Count Failed

Values":true},{"ID":29,"Name":"internal.metrics.resultSize","Update":998,"Value":34319,"Internal":true,"Count Failed

Values":true},{"ID":28,"Name":"internal.metrics.executorCpuTime","Update":2605573639,"Value":8 2018151930,"Internal":true,"Count Failed

Values":true},{"ID":27,"Name":"internal.metrics.executorRunTime","Update":3149,"Value":96237,"Internal":true,"Count Failed

Values":true},{"ID":26,"Name":"internal.metrics.executorDeserializeCpuTime","Update":5778900,"V alue":416354396,"Internal":true,"Count Failed

Values":true},{"ID":25,"Name":"internal.metrics.executorDeserializeTime","Update":5,"Value":631,"Internal":true,"Count Failed Values":true}]},"Task Metrics":{"Executor Deserialize Time":5,"Executor Deserialize CPU Time":5778900,"Executor Run Time":3149,"Executor CPU

Time":2605573639,"Result Size":998,"JVM GC Time":40,"Result Serialization Time":0,"Memory Bytes Spilled":0,"Disk Bytes Spilled":0,"Shuffle Read Metrics":{"Remote Blocks Fetched":0,"Local Blocks Fetched":0,"Fetch Wait Time":0,"Remote Bytes Read":0,"Remote Bytes Read To Disk":0,"Local Bytes Read":0,"Total Records Read":0},"Shuffle Write Metrics":{"Shuffle Bytes Written":0,"Shuffle Write Time":0,"Shuffle Records Written":0},"Input Metrics":{"Bytes Read":134283264,"Records Read":1521660},"Output Metrics":{"Bytes Written":72120,"Records Written":797},"Updated Blocks":[]}}

{"Event":"SparkListenerTaskStart","Stage ID":1,"Stage Attempt ID":0,"Task Info":{"Task ID":76,"Index":37,"Attempt":0,"Launch Time":1561374524021,"Executor ID":"3","Host":"ip-10-0-0-201.ec2.internal","Locality":"NODE\_LOCAL","Speculative":false,"Getting Result Time":0,"Finish Time":0,"Failed":false,"Killed":false,"Accumulables":[]}}

{"Event":"SparkListenerTaskEnd","Stage ID":1,"Stage Attempt ID":0,"Task Type":"ResultTask","Task End Reason":{"Reason":"Success"},"Task Info":{"Task ID":73,"Index":34,"Attempt":0,"Launch Time":1561374521152,"Executor ID":"3","Host":"ip-10-0-0-

201.ec2.internal","Locality":"NODE\_LOCAL","Speculative":false,"Getting Result Time":0,"Finish Time":1561374524022,"Failed":false,"Killed":false,"Accumulables":[{"ID":49,"Name":"internal.metrics.output.recordsWritten","Update":806,"Value":28647,"Internal":true,"Count Failed Values":true},{"ID":48,"Name":"internal.metrics.output.bytesWritten","Update":73294,"Value":2595 185,"Internal":true,"Count Failed

Values":true},{"ID":47,"Name":"internal.metrics.input.recordsRead","Update":1520301,"Value":495 69733,"Internal":true,"Count Failed

Values":true},{"ID":46,"Name":"internal.metrics.input.bytesRead","Update":134283264,"Value":437 4425270,"Internal":true,"Count Failed

Values":true},{"ID":31,"Name":"internal.metrics.resultSerializationTime","Update":1,"Value":11,"Internal":true,"Count Failed

Values":true},{"ID":30,"Name":"internal.metrics.jvmGCTime","Update":43,"Value":1309,"Internal":true,"Count Failed

Values":true},{"ID":29,"Name":"internal.metrics.resultSize","Update":1041,"Value":35360,"Internal":true,"Count Failed

Values":true},{"ID":28,"Name":"internal.metrics.executorCpuTime","Update":2726884944,"Value":8 4745036874,"Internal":true,"Count Failed

Values":true},{"ID":27,"Name":"internal.metrics.executorRunTime","Update":2844,"Value":99081,"Internal":true,"Count Failed

Values":true},{"ID":26,"Name":"internal.metrics.executorDeserializeCpuTime","Update":7571652,"Values":423926048,"Internal":true,"Count Failed

Values":true},{"ID":25,"Name":"internal.metrics.executorDeserializeTime","Update":7,"Value":638,"Internal":true,"Count Failed Values":true}]},"Task Metrics":{"Executor Deserialize Time":7,"Executor Deserialize CPU Time":7571652,"Executor Run Time":2844,"Executor CPU

Time":2726884944,"Result Size":1041,"JVM GC Time":43,"Result Serialization Time":1,"Memory Bytes Spilled":0,"Disk Bytes Spilled":0,"Shuffle Read Metrics":{"Remote Blocks Fetched":0,"Local Blocks Fetched":0,"Fetch Wait Time":0,"Remote Bytes Read":0,"Remote Bytes Read To Disk":0,"Local Bytes Read":0,"Total Records Read":0},"Shuffle Write Metrics":{"Shuffle Bytes Written":0,"Shuffle Write Time":0,"Shuffle Records Written":0},"Input Metrics":{"Bytes Read":134283264,"Records Read":1520301},"Output Metrics":{"Bytes Written":73294,"Records Written":806},"Updated Blocks":[]}}

{"Event":"SparkListenerTaskStart","Stage ID":1,"Stage Attempt ID":0,"Task Info":{"Task ID":77,"Index":38,"Attempt":0,"Launch Time":1561374525687,"Executor ID":"2","Host":"ip-10-0-0-201.ec2.internal","Locality":"NODE\_LOCAL","Speculative":false,"Getting Result Time":0,"Finish Time":0,"Failed":false,"Killed":false,"Accumulables":[]}}

{"Event":"SparkListenerTaskEnd","Stage ID":1,"Stage Attempt ID":0,"Task Type":"ResultTask","Task End Reason":{"Reason":"Success"},"Task Info":{"Task ID":74,"Index":35,"Attempt":0,"Launch Time":1561374522717,"Executor ID":"2","Host":"ip-10-0-0-

201.ec2.internal","Locality":"NODE\_LOCAL","Speculative":false,"Getting Result Time":0,"Finish Time":1561374525692,"Failed":false,"Killed":false,"Accumulables":[{"ID":49,"Name":"internal.metrics.output.recordsWritten","Update":803,"Value":29450,"Internal":true,"Count Failed

Values":true},{"ID":48,"Name":"internal.metrics.output.bytesWritten","Update":73079,"Value":2668 264,"Internal":true,"Count Failed

Values":true},{"ID":47,"Name":"internal.metrics.input.recordsRead","Update":1519543,"Value":510 89276,"Internal":true,"Count Failed

Values":true},{"ID":46,"Name":"internal.metrics.input.bytesRead","Update":134283264,"Value":450 8708534,"Internal":true,"Count Failed

Values":true},{"ID":30,"Name":"internal.metrics.jvmGCTime","Update":36,"Value":1345,"Internal":true,"Count Failed

Values":true},{"ID":29,"Name":"internal.metrics.resultSize","Update":998,"Value":36358,"Internal":true,"Count Failed

Values":true},{"ID":28,"Name":"internal.metrics.executorCpuTime","Update":2793216550,"Value":8

7538253424,"Internal":true,"Count Failed

Values":true},{"ID":27,"Name":"internal.metrics.executorRunTime","Update":2951,"Value":102032," Internal":true,"Count Failed

Values":true},{"ID":26,"Name":"internal.metrics.executorDeserializeCpuTime","Update":7085382,"Values":431011430,"Internal":true,"Count Failed

Values":true},{"ID":25,"Name":"internal.metrics.executorDeserializeTime","Update":7,"Value":645,"Internal":true,"Count Failed Values":true}]},"Task Metrics":{"Executor Deserialize Time":7,"Executor Deserialize CPU Time":7085382,"Executor Run Time":2951,"Executor CPU

Time":2793216550,"Result Size":998,"JVM GC Time":36,"Result Serialization Time":0,"Memory Bytes Spilled":0,"Disk Bytes Spilled":0,"Shuffle Read Metrics":{"Remote Blocks Fetched":0,"Local Blocks Fetched":0,"Fetch Wait Time":0,"Remote Bytes Read":0,"Remote Bytes Read To Disk":0,"Local Bytes Read":0,"Total Records Read":0},"Shuffle Write Metrics":{"Shuffle Bytes Written":0,"Shuffle Write Time":0,"Shuffle Records Written":0},"Input Metrics":{"Bytes Read":134283264,"Records Read":1519543},"Output Metrics":{"Bytes Written":73079,"Records Written":803},"Updated Blocks":[]}}

{"Event":"SparkListenerTaskEnd","Stage ID":1,"Stage Attempt ID":0,"Task Type":"ResultTask","Task End Reason":{"Reason":"Success"},"Task Info":{"Task ID":77,"Index":38,"Attempt":0,"Launch Time":1561374525687,"Executor ID":"2","Host":"ip-10-0-0-

201.ec2.internal","Locality":"NODE\_LOCAL","Speculative":false,"Getting Result Time":0,"Finish Time":1561374526557,"Failed":false,"Killed":false,"Accumulables":[{"ID":49,"Name":"internal.metrics.output.recordsWritten","Update":214,"Value":29664,"Internal":true,"Count Failed Values":true},{"ID":48,"Name":"internal.metrics.output.bytesWritten","Update":19353,"Value":2687

Values":true},{"ID":48,"Name":"internal.metrics.output.bytesWritten","Update":19353,"Value":2687 617,"Internal":true,"Count Failed

Values":true},{"ID":47,"Name":"internal.metrics.input.recordsRead","Update":373599,"Value":5146 2875,"Internal":true,"Count Failed

Values":true},{"ID":46,"Name":"internal.metrics.input.bytesRead","Update":32783040,"Value":4541 491574,"Internal":true,"Count Failed

Values":true},{"ID":30,"Name":"internal.metrics.jvmGCTime","Update":6,"Value":1351,"Internal":true, "Count Failed":1351,"Internal":true

Values":true},{"ID":29,"Name":"internal.metrics.resultSize","Update":998,"Value":37356,"Internal":true,"Count Failed

Values":true},{"ID":28,"Name":"internal.metrics.executorCpuTime","Update":803781834,"Value":88 342035258,"Internal":true,"Count Failed

Values":true},{"ID":27,"Name":"internal.metrics.executorRunTime","Update":840,"Value":102872,"Internal":true,"Count Failed

Values":true},{"ID":26,"Name":"internal.metrics.executorDeserializeCpuTime","Update":7346460,"Values":438357890,"Internal":true,"Count Failed

Values":true},{"ID":25,"Name":"internal.metrics.executorDeserializeTime","Update":8,"Value":653,"I nternal":true,"Count Failed Values":true}]},"Task Metrics":{"Executor Deserialize Time":8,"Executor Deserialize CPU Time":7346460,"Executor Run Time":840,"Executor CPU Time":803781834,"Result Size":998,"JVM GC Time":6,"Result Serialization Time":0,"Memory Bytes Spilled":0,"Disk Bytes Spilled":0,"Shuffle Read Metrics":{"Remote Blocks Fetched":0,"Local Blocks Fetched":0,"Fetch Wait Time":0,"Remote Bytes Read":0,"Remote Bytes Read To Disk":0,"Local Bytes Read":0,"Total Records Read":0},"Shuffle Write Metrics":{"Shuffle Bytes Written":0,"Shuffle Write Time":0,"Shuffle Records Written":0},"Input Metrics":{"Bytes Read":32783040,"Records Read":373599},"Output Metrics":{"Bytes Written":19353,"Records Written":214},"Updated Blocks":[]}}

{"Event":"SparkListenerTaskEnd","Stage ID":1,"Stage Attempt ID":0,"Task Type":"ResultTask","Task End Reason":{"Reason":"Success"},"Task Info":{"Task ID":76,"Index":37,"Attempt":0,"Launch Time":1561374524021,"Executor ID":"3","Host":"ip-10-0-0-

201.ec2.internal","Locality":"NODE\_LOCAL","Speculative":false,"Getting Result Time":0,"Finish Time":1561374526884,"Failed":false,"Killed":false,"Accumulables":[{"ID":49,"Name":"internal.metrics.output.recordsWritten","Update":701,"Value":30365,"Internal":true,"Count Failed

Values":true},{"ID":48,"Name":"internal.metrics.output.bytesWritten","Update":63076,"Value":2750 693,"Internal":true,"Count Failed

Values":true},{"ID":47,"Name":"internal.metrics.input.recordsRead","Update":1530806,"Value":529 93681,"Internal":true,"Count Failed

Values":true},{"ID":46,"Name":"internal.metrics.input.bytesRead","Update":134283264,"Value":467 5774838,"Internal":true,"Count Failed

Values":true},{"ID":30,"Name":"internal.metrics.jvmGCTime","Update":39,"Value":1390,"Internal":true,"Count Failed

Values":true},{"ID":29,"Name":"internal.metrics.resultSize","Update":998,"Value":38354,"Internal":true,"Count Failed

Values":true},{"ID":28,"Name":"internal.metrics.executorCpuTime","Update":2311027650,"Value":9 0653062908,"Internal":true,"Count Failed

Values":true},{"ID":27,"Name":"internal.metrics.executorRunTime","Update":2832,"Value":105704," Internal":true,"Count Failed

Values":true},{"ID":26,"Name":"internal.metrics.executorDeserializeCpuTime","Update":7491325,"Values":445849215,"Internal":true,"Count Failed

Values":true},{"ID":25,"Name":"internal.metrics.executorDeserializeTime","Update":8,"Value":661,"Internal":true,"Count Failed Values":true}]},"Task Metrics":{"Executor Deserialize Time":8,"Executor Deserialize CPU Time":7491325,"Executor Run Time":2832,"Executor CPU

Time":2311027650,"Result Size":998,"JVM GC Time":39,"Result Serialization Time":0,"Memory Bytes Spilled":0,"Disk Bytes Spilled":0,"Shuffle Read Metrics":{"Remote Blocks Fetched":0,"Local Blocks Fetched":0,"Fetch Wait Time":0,"Remote Bytes Read":0,"Remote Bytes Read To Disk":0,"Local Bytes Read":0,"Total Records Read":0},"Shuffle Write Metrics":{"Shuffle Bytes Written":0,"Shuffle Write Time":0,"Shuffle Records Written":0},"Input Metrics":{"Bytes Read":134283264,"Records Read":1530806},"Output Metrics":{"Bytes Written":63076,"Records Written":701},"Updated Blocks":[]}}

{"Event":"SparkListenerTaskEnd","Stage ID":1,"Stage Attempt ID":0,"Task Type":"ResultTask","Task End Reason":{"Reason":"Success"},"Task Info":{"Task ID":75,"Index":36,"Attempt":0,"Launch Time":1561374523574,"Executor ID":"1","Host":"ip-10-0-0-

201.ec2.internal","Locality":"NODE\_LOCAL","Speculative":false,"Getting Result Time":0,"Finish Time":1561374527150,"Failed":false,"Killed":false,"Accumulables":[{"ID":49,"Name":"internal.metrics.output.recordsWritten","Update":664,"Value":31029,"Internal":true,"Count Failed Values":true},{"ID":48,"Name":"internal.metrics.output.bytesWritten","Update":60314,"Value":2811

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Values":true},{"ID":47,"Name":"internal.metrics.input.recordsRead","Update":1524323,"Value":545 18004,"Internal":true,"Count Failed

Values":true},{"ID":46,"Name":"internal.metrics.input.bytesRead","Update":134283264,"Value":481 0058102,"Internal":true,"Count Failed

Values":true},{"ID":30,"Name":"internal.metrics.jvmGCTime","Update":57,"Value":1447,"Internal":true,"Count Failed

Values":true},{"ID":29,"Name":"internal.metrics.resultSize","Update":998,"Value":39352,"Internal":t

rue,"Count Failed

Values":true},{"ID":28,"Name":"internal.metrics.executorCpuTime","Update":2970129680,"Value":9 3623192588,"Internal":true,"Count Failed

Values":true},{"ID":27,"Name":"internal.metrics.executorRunTime","Update":3549,"Value":109253," Internal":true,"Count Failed

Values":true},{"ID":26,"Name":"internal.metrics.executorDeserializeCpuTime","Update":7414958,"Value":453264173,"Internal":true,"Count Failed

Values":true},{"ID":25,"Name":"internal.metrics.executorDeserializeTime","Update":7,"Value":668,"Internal":true,"Count Failed Values":true}]},"Task Metrics":{"Executor Deserialize Time":7,"Executor Deserialize CPU Time":7414958,"Executor Run Time":3549,"Executor CPU

Time":2970129680,"Result Size":998,"JVM GC Time":57,"Result Serialization Time":0,"Memory Bytes Spilled":0,"Disk Bytes Spilled":0,"Shuffle Read Metrics":{"Remote Blocks Fetched":0,"Local Blocks Fetched":0,"Fetch Wait Time":0,"Remote Bytes Read":0,"Remote Bytes Read To Disk":0,"Local Bytes Read":0,"Total Records Read":0},"Shuffle Write Metrics":{"Shuffle Bytes Written":0,"Shuffle Write Time":0,"Shuffle Records Written":0},"Input Metrics":{"Bytes Read":134283264,"Records Read":1524323},"Output Metrics":{"Bytes Written":60314,"Records Written":664},"Updated Blocks":[]}}

{"Event":"SparkListenerStageCompleted","Stage Info":{"Stage ID":1,"Stage Attempt ID":0,"Stage Name":"runJob at SparkHadoopWriter.scala:78","Number of Tasks":39,"RDD Info":[{"RDD ID":3,"Name":"MapPartitionsRDD","Scope":"{\"id\":\"6\",\"name\":\"saveAsTextFile\"}","Callsite":"s aveAsTextFile at saprkRDD2.java:46","Parent IDS":[2],"Storage Level":{"Use Disk":false,"Use Memory":false,"Deserialized":false,"Replication":1},"Number of Partitions":39,"Number of Cached Partitions":0,"Memory Size":0,"Disk Size":0),{"RDD ID":0,"Name":"/user/ec2-user/spark\_assignment/input2/yellow\_tripdata\_\*","Scope":"{\"id\":\"0\",\"name\":\"textFile\"}","C allsite":"textFile at saprkRDD2.java:26","Parent IDs":[],"Storage Level":{"Use Disk":false,"Use Memory":false,"Deserialized":false,"Replication":1},"Number of Partitions":39,"Number of Cached Partitions":0,"Memory Size":0,"Disk Size":0},{"RDD ID":1,"Name":"/user/ec2-user/spark\_assignment/input2/yellow\_tripdata\_\*","Scope":"{\"id\":\"0\",\"name\":\"textFile\"}","C allsite":"textFile at saprkRDD2.java:26","Parent IDs":[0],"Storage Level":{"Use Disk":false,"Use Memory":false,"Deserialized":false,"Replication":1},"Number of Partitions":39,"Number of Cached Partitions":0,"Memory Size":0,"Disk Size":0},{"RDD ID":2,"Name":"MapPartitionsRDD","Scope":"{\"id\":\"1\",\"name\":\"filter\"}","Callsite":"filter at

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.apache.spark.rdd.RDDOperationScope\$.withScope(RDDOperationScope.scala:151)\norg.apache.spark.rdd.RDDOperationScope\$.withScope(RDDOperationScope.scala:112)\norg.apache.spark.rdd.RDD. withScope(RDD.scala:363)\norg.apache.spark.rdd.PairRDDFunctions.saveAsHadoopFile(PairRDDFunctions.scala:1032)\norg.apache.spark.rdd.PairRDDFunctions\$\$anonfun\$saveAsHadoopFile\$1.apply\$ mcV\$sp(PairRDDFunctions.scala:958)\norg.apache.spark.rdd.PairRDDFunctions\$\$anonfun\$saveAsHadoopFile\$1.apply(PairRDDFunctions.scala:958)\norg.apache.spark.rdd.PairRDDFunctions\$\$anonfun\$saveAsHadoopFile\$1.apply(PairRDDFunctions.scala:958)\norg.apache.spark.rdd.RDDOperationScope\$.withScope(RDDOperationScope.scala:151)","Submission Time":1561374489949,"Completion Time":1561374527151,"Accumulables":[{"ID":26,"Name":"internal.metrics.executorDeserializeCpuTime","Value":453264173,"Internal":true,"Count Failed

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