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bash-4.1$ sqoop import --connect jdbc:mysql://localhost/retail_db --username root --password cloudera --table orders --target-dir /ZSaug deflate1 -m 1 --compress --compression-codec deflate1
Warning: /usr/lib/sqoop/.accumulo does not exist! Accumulo imports will fail.
Please set $ACCUMULO_HOME to the root of your Accumulo installation.
22/08/25 00:23:16 INFO sqoop.Sqoop: Running Sqoop version: 1.4.6-cdh5.13.0
22/08/25 00:23:17 WARN tool.BaseSqoopTool: Setting your password on the command-line is insecure. Consider using -P instead.
22/08/25 00:23:17 INFO manager.MySQLManager: Preparing to use a MySQL streaming resultset.
22/08/25 00:23:17 INFO tool.CodeGenTool: Beginning code generation
22/08/25 00:23:17 INFO manager.SqlManager: Executing SQL statement: SELECT t.* FROM `orders` AS t LIMIT 1
22/08/25 00:23:17 INFO manager.SqlManager: Executing SQL statement: SELECT t.* FROM `orders` AS t LIMIT 1
22/08/25 00:23:17 INFO orm.CompilationManager: HADOOP MAPRED HOME is /usr/lib/hadoop-mapreduce
Note: /tmp/sqoop-hdfs/compile/05cc016ce3398cd2f8a2dbd9b4b145d/orders.java uses or overrides a deprecated API.
Note: Recompile with -Xlint:deprecation for details.
22/08/25 00:23:20 INFO orm.CompilationManager: Writing jar file: /tmp/sqoop-hdfs/compile/05cc016ce3398cd2f8a2dbd9b4b145d/orders.jar
22/08/25 00:23:20 WARN manager.MySQLManager: It looks like you are importing from mysql.
22/08/25 00:23:20 WARN manager.MySQLManager: This transfer can be faster! Use the --direct
22/08/25 00:23:20 WARN manager.MySQLManager: option to exercise a MySQL-specific fast path.
22/08/25 00:23:20 INFO manager.MySQLManager: Setting zero DATETIME behavior to convertToNull (mysql)
22/08/25 00:23:20 INFO mapreduce.ImportJobBase: Beginning import of orders
22/08/25 00:23:20 INFO Configuration.deprecation: mapred.jar is deprecated. Instead, use mapreduce.job.jar
22/08/25 00:23:21 INFO Configuration.deprecation: mapred.map.tasks is deprecated. Instead, use mapreduce.job.maps
22/08/25 00:23:22 INFO client.RMProxy: Connecting to ResourceManager at quickstart.cloudera/10.0.2.15:8032
22/08/25 00:23:23 WARN hdfs.DFSClient: Caught exception
java.lang.InterruptedExcep...
    at java.lang.Object.wait(Native Method)
    at java.lang.Thread.join(Thread.java:1281)
    at java.lang.Thread.join(Thread.java:1355)
    at org.apache.hadoop.hdfs.DFSOutputStreamDataStream.closeResponder(DFSOutputStream.java:967)
    at org.apache.hadoop.hdfs.DFSOutputStreamDataStream.endBlock(DFSOutputStream.java:705)
    at org.apache.hadoop.hdfs.DFSOutputStreamDataStream.run(DFSOutputStream.java:894)
22/08/25 00:23:23 WARN hdfs.DFSClient: Caught exception
java.lang.InterruptedExcep...
    at java.lang.Object.wait(Native Method)
    at java.lang.Thread.join(Thread.java:1281)
    at java.lang.Thread.join(Thread.java:1355)
    at org.apache.hadoop.hdfs.DFSOutputStreamDataStream.closeResponder(DFSOutputStream.java:967)
    at org.apache.hadoop.hdfs.DFSOutputStreamDataStream.endBlock(DFSOutputStream.java:705)
    at org.apache.hadoop.hdfs.DFSOutputStreamDataStream.run(DFSOutputStream.java:894)
22/08/25 00:23:23 WARN hdfs.DFSClient: Caught exception
java.lang.InterruptedExcep...
    at java.lang.Object.wait(Native Method)
    at java.lang.Thread.join(Thread.java:1281)
    at java.lang.Thread.join(Thread.java:1355)
    at org.apache.hadoop.hdfs.DFSOutputStreamDataStream.closeResponder(DFSOutputStream.java:967)
    at org.apache.hadoop.hdfs.DFSOutputStreamDataStream.endBlock(DFSOutputStream.java:705)
    at org.apache.hadoop.hdfs.DFSOutputStreamDataStream.run(DFSOutputStream.java:894)
22/08/25 00:23:23 WARN hdfs.DFSClient: Caught exception
java.lang.InterruptedExcep...
    at java.lang.Object.wait(Native Method)
    at java.lang.Thread.join(Thread.java:1281)
    at java.lang.Thread.join(Thread.java:1355)
    at org.apache.hadoop.hdfs.DFSOutputStreamDataStream.closeResponder(DFSOutputStream.java:967)
    at org.apache.hadoop.hdfs.DFSOutputStreamDataStream.endBlock(DFSOutputStream.java:705)
    at org.apache.hadoop.hdfs.DFSOutputStreamDataStream.run(DFSOutputStream.java:894)
22/08/25 00:23:23 WARN hdfs.DFSClient: Caught exception
java.lang.InterruptedExcep...
    at java.lang.Object.wait(Native Method)
    at java.lang.Thread.join(Thread.java:1281)
    at java.lang.Thread.join(Thread.java:1355)
    at org.apache.hadoop.hdfs.DFSOutputStreamDataStream.closeResponder(DFSOutputStream.java:967)
    at org.apache.hadoop.hdfs.DFSOutputStreamDataStream.endBlock(DFSOutputStream.java:705)
    at org.apache.hadoop.hdfs.DFSOutputStreamDataStream.run(DFSOutputStream.java:894)
22/08/25 00:23:23 WARN hdfs.DFSClient: Caught exception
java.lang.InterruptedExcep...
    at java.lang.Object.wait(Native Method)
    at java.lang.Thread.join(Thread.java:1281)
    at java.lang.Thread.join(Thread.java:1355)
    at org.apache.hadoop.hdfs.DFSOutputStreamDataStream.closeResponder(DFSOutputStream.java:967)
    at org.apache.hadoop.hdfs.DFSOutputStreamDataStream.endBlock(DFSOutputStream.java:705)
    at org.apache.hadoop.hdfs.DFSOutputStreamDataStream.run(DFSOutputStream.java:894)
22/08/25 00:23:23 WARN hdfs.DFSClient: Caught exception
java.lang.InterruptedExcep...
    at java.lang.Object.wait(Native Method)
    at java.lang.Thread.join(Thread.java:1281)
    at java.lang.Thread.join(Thread.java:1355)
    at org.apache.hadoop.hdfs.DFSOutputStreamDataStream.closeResponder(DFSOutputStream.java:967)
    at org.apache.hadoop.hdfs.DFSOutputStreamDataStream.endBlock(DFSOutputStream.java:705)
    at org.apache.hadoop.hdfs.DFSOutputStreamDataStream.run(DFSOutputStream.java:894)
22/08/25 00:23:23 WARN hdfs.DFSClient: Caught exception
java.lang.InterruptedExcep...
    at java.lang.Object.wait(Native Method)
    at java.lang.Thread.join(Thread.java:1281)
    at java.lang.Thread.join(Thread.java:1355)
    at org.apache.hadoop.hdfs.DFSOutputStreamDataStream.closeResponder(DFSOutputStream.java:967)
    at org.apache.hadoop.hdfs.DFSOutputStreamDataStream.endBlock(DFSOutputStream.java:705)
    at org.apache.hadoop.hdfs.DFSOutputStreamDataStream.run(DFSOutputStream.java:894)
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at java.lang.Thread.join(Thread.java:1281)
at java.lang.Thread.join(Thread.java:1355)
at org.apache.hadoop.hdfs.DFSOutputStream$DataStreamer.closeResponder(DFSOutputStream.java:967)
at org.apache.hadoop.hdfs.DFSOutputStream$DataStreamer.endBlock(DFSOutputStream.java:705)
at org.apache.hadoop.hdfs.DFSOutputStream$DataStreamer.run(DFSOutputStream.java:894)
22/08/25 00:23:24 WARN hdfs.DFSClient: Caught exception
java.lang.InterruptedException
at java.lang.Object.wait(Native Method)
at java.lang.Thread.join(Thread.java:1281)
at java.lang.Thread.join(Thread.java:1355)
at org.apache.hadoop.hdfs.DFSOutputStream$DataStreamer.closeResponder(DFSOutputStream.java:967)
at org.apache.hadoop.hdfs.DFSOutputStream$DataStreamer.endBlock(DFSOutputStream.java:705)
at org.apache.hadoop.hdfs.DFSOutputStream$DataStreamer.run(DFSOutputStream.java:894)
22/08/25 00:23:24 INFO db.DBInputFormat: Using read committed transaction isolation
22/08/25 00:23:24 WARN hdfs.DFSClient: Caught exception
java.lang.InterruptedException
at java.lang.Object.wait(Native Method)
at java.lang.Thread.join(Thread.java:1281)
at java.lang.Thread.join(Thread.java:1355)
at org.apache.hadoop.hdfs.DFSOutputStream$DataStreamer.closeResponder(DFSOutputStream.java:967)
at org.apache.hadoop.hdfs.DFSOutputStream$DataStreamer.endBlock(DFSOutputStream.java:705)
at org.apache.hadoop.hdfs.DFSOutputStream$DataStreamer.run(DFSOutputStream.java:894)
22/08/25 00:23:24 INFO mapreduce.JobSubmitter: number of splits:1
22/08/25 00:23:24 INFO mapreduce.JobSubmitter: Submitting tokens for job: job_1661401342371_0009
22/08/25 00:23:25 INFO impl.YarnClientImpl: Submitted application application_1661401342371_0009
22/08/25 00:23:25 INFO mapreduce.Job: The url to track the job: http://quickstart.cloudera:8088/proxy/application_1661401342371_0009/
22/08/25 00:23:25 INFO mapreduce.Job: Running job: job_1661401342371_0009
22/08/25 00:23:35 INFO mapreduce.Job: Job job_1661401342371_0009 running in uber mode : false
22/08/25 00:23:35 INFO mapreduce.Job: map 0% reduce 0%
22/08/25 00:23:52 INFO mapreduce.Job: map 100% reduce 0%
22/08/25 00:23:52 INFO mapreduce.Job: Job job_1661401342371_0009 completed successfully
22/08/25 00:23:53 INFO mapreduce.Job: Counters: 30
File System Counters
  FILE: Number of bytes read=0
  FILE: Number of bytes written=171913
  FILE: Number of read operations=0
  FILE: Number of large read operations=0
  FILE: Number of write operations=0
  HDFS: Number of bytes read=87
  HDFS: Number of bytes written=471094
  HDFS: Number of read operations=4
  HDFS: Number of large read operations=0
  HDFS: Number of write operations=2
Job Counters
  Launched map tasks=1
  Other local map tasks=1
  Total time spent by all maps in occupied slots (ms)=7344128
  Total time spent by all reduces in occupied slots (ms)=0
  Total time spent by all map tasks (ms)=14344
    Total time spent by all maps in occupied slots (ms)=7344128
    Total time spent by all reduces in occupied slots (ms)=0
    Total time spent by all map tasks (ms)=14344
    Total vcore-milliseconds taken by all map tasks=14344
    Total megabyte-milliseconds taken by all map tasks=7344128
Map-Reduce Framework
  Map input records=68883
  Map output records=68883
  Input split bytes=87
  Spilled Records=0
  Failed Shuffles=0
  Merged Map outputs=0
  GC time elapsed (ms)=268
  CPU time spent (ms)=3990
  Physical memory (bytes) snapshot=99635200
  Virtual memory (bytes) snapshot=702337024
  Total committed heap usage (bytes)=29949952
File Input Format Counters
  Bytes Read=0
File Output Format Counters
  Bytes Written=471094
22/08/25 00:23:53 INFO mapreduce.ImportJobBase: Transferred 460.0527 KB in 31.3822 seconds (14.6597 KB/sec)
22/08/25 00:23:53 INFO mapreduce.ImportJobBase: Retrieved 68883 records.
-bash-4.1$ hdfs dfs -ls /25aug_deflate1
Found 2 items
-rw-r--r-- 1 hdfs supergroup          0 2022-08-25 00:23 /25aug_deflate1/_SUCCESS
-rw-r--r-- 1 hdfs supergroup    471094 2022-08-25 00:23 /25aug_deflate1/part-m-00000.deflate
-bash-4.1$
```

Bzip

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-bash-4.1$ sqoop import --connect jdbc:mysql://localhost/retail_db --username root --password cloudera --table orders --target-dir /25aug_bzip -m 1 --compress --compression-codec Bzip2
Warning: /usr/lib/sqoop/.accumulo does not exist! Accumulo imports will fail.
Please set $ACCUMULO_HOME to the root of your Accumulo installation.
22/08/25 00:48:44 INFO sqoop.Sqoop: Running Sqoop version: 1.4.6-cdh5.13.0
22/08/25 00:48:44 WARN tool.BaseSqoopTool: Setting your password on the command-line is insecure. Consider using -P instead.
22/08/25 00:48:45 INFO manager.MySQLManager: Preparing to use a MySQL streaming resultset.
22/08/25 00:48:45 INFO tool.CodeGenTool: Beginning code generation
22/08/25 00:48:45 INFO manager.SqlManager: Executing SQL statement: SELECT t.* FROM `orders` AS t LIMIT 1
22/08/25 00:48:46 INFO manager.SqlManager: Executing SQL statement: SELECT t.* FROM `orders` AS t LIMIT 1
22/08/25 00:48:46 INFO orm.CompilationManager: HADOOP MAPRED HOME is /usr/lib/hadoop-mapreduce
Note: /tmp/sqoop-hdfs/compile/3fe7135ffddeddfce53b3c292dda2fd4/orders.java uses or overrides a deprecated API.
Note: Recompile with -Xlint:deprecation for details.
22/08/25 00:48:49 INFO orm.CompilationManager: Writing jar file: /tmp/sqoop-hdfs/compile/3fe7135ffddeddfce53b3c292dda2fd4/orders.jar
22/08/25 00:48:49 WARN manager.MySQLManager: It looks like you are importing from mysql.
22/08/25 00:48:49 WARN manager.MySQLManager: This transfer can be faster! Use the --direct
22/08/25 00:48:49 WARN manager.MySQLManager: option to exercise a MySQL-specific fast path.
22/08/25 00:48:49 INFO manager.MySQLManager: Setting zero DATETIME behavior to convertToNull (mysql)
22/08/25 00:48:49 INFO mapreduce.ImportJobBase: Beginning import of orders
22/08/25 00:48:49 INFO Configuration.deprecation: mapred.jar is deprecated. Instead, use mapreduce.job.jar
22/08/25 00:48:51 INFO Configuration.deprecation: mapred.map.tasks is deprecated. Instead, use mapreduce.job.maps
22/08/25 00:48:51 INFO client.RMProxy: Connecting to ResourceManager at quickstart.cloudera/10.0.2.15:8032
22/08/25 00:48:52 WARN hdfs.DFSClient: Caught exception
java.lang.InterruptedException
    at java.lang.Object.wait(Native Method)
    at java.lang.Thread.join(Thread.java:1281)
    at java.lang.Thread.join(Thread.java:1355)
    at org.apache.hadoop.hdfs.DFSOutputStream$DataStreamer.closeResponder(DFSOutputStream.java:967)
    at org.apache.hadoop.hdfs.DFSOutputStream$DataStreamer.endBlock(DFSOutputStream.java:705)
    at org.apache.hadoop.hdfs.DFSOutputStream$DataStreamer.run(DFSOutputStream.java:894)
22/08/25 00:48:52 WARN hdfs.DFSClient: Caught exception
java.lang.InterruptedException
    at java.lang.Object.wait(Native Method)
    at java.lang.Thread.join(Thread.java:1281)
    at java.lang.Thread.join(Thread.java:1355)
    at org.apache.hadoop.hdfs.DFSOutputStream$DataStreamer.closeResponder(DFSOutputStream.java:967)
    at org.apache.hadoop.hdfs.DFSOutputStream$DataStreamer.endBlock(DFSOutputStream.java:705)
    at org.apache.hadoop.hdfs.DFSOutputStream$DataStreamer.run(DFSOutputStream.java:894)
22/08/25 00:48:53 WARN hdfs.DFSClient: Caught exception
java.lang.InterruptedException
    at java.lang.Object.wait(Native Method)
    at java.lang.Thread.join(Thread.java:1281)
    at java.lang.Thread.join(Thread.java:1355)
    at org.apache.hadoop.hdfs.DFSOutputStream$DataStreamer.closeResponder(DFSOutputStream.java:967)
    at org.apache.hadoop.hdfs.DFSOutputStream$DataStreamer.endBlock(DFSOutputStream.java:705)
    at org.apache.hadoop.hdfs.DFSOutputStream$DataStreamer.run(DFSOutputStream.java:894)

22/08/25 00:49:08 INFO mapreduce.Job: Job job_1661401342371_0011 running in uber mode : false
22/08/25 00:49:08 INFO mapreduce.Job: map 0% reduce 0%
22/08/25 00:49:22 INFO mapreduce.Job: map 100% reduce 0%
22/08/25 00:49:22 INFO mapreduce.Job: Job job_1661401342371_0011 completed successfully
22/08/25 00:49:22 INFO mapreduce.Job: Counters: 30
    File System Counters
        FILE: Number of bytes read=0
        FILE: Number of bytes written=171901
        FILE: Number of read operations=0
        FILE: Number of large read operations=0
        FILE: Number of write operations=0
        HDFS: Number of bytes read=87
        HDFS: Number of bytes written=387672
        HDFS: Number of read operations=4
        HDFS: Number of large read operations=0
        HDFS: Number of write operations=2
    Job Counters
        Launched map tasks=1
        Other local map tasks=1
        Total time spent by all maps in occupied slots (ms)=5499904
        Total time spent by all reduces in occupied slots (ms)=0
        Total time spent by all map tasks (ms)=10742
        Total vcore-milliseonds taken by all map tasks=10742
        Total megabyte-milliseonds taken by all map tasks=5499904
    Map-Reduce Framework
        Map input records=68883
        Map output records=68883
        Input split bytes=87
        Spilled Records=0
        Failed Shuffles=0
        Merged Map outputs=0
        GC time elapsed (ms)=135
        CPU time spent (ms)=3070
        Physical memory (bytes) snapshot=107065344
        Virtual memory (bytes) snapshot=702316544
        Total committed heap usage (bytes)=29949952
    File Input Format Counters
        Bytes Read=0
    File Output Format Counters
        Bytes Written=387672
22/08/25 00:49:22 INFO mapreduce.ImportJobBase: Transferred 378.5859 KB in 31.4152 seconds (12.0511 KB/sec)
22/08/25 00:49:22 INFO mapreduce.ImportJobBase: Retrieved 68883 records.
-bash-4.1$ hdfs dfs -cat /25aug_bzip
^[cat: `/25aug_bzip': Is a directory
-bash-4.1$ hdfs dfs -ls /25aug_bzip
Found 2 items
-rw-r--r-- 1 hdfs supergroup          0 2022-08-25 00:49 /25aug_bzip/_SUCCESS
-rw-r--r-- 1 hdfs supergroup    387672 2022-08-25 00:49 /25aug_bzip/part-m-00000.bzip
```

Gzip

```
-bash-4.1$ sqoop import --connect jdbc:mysql://localhost/retail_db --username root --password cloudera --table orders --target-dir /25aug_gzip -m 1 --compress --compression-codec Gzip
Warning: /usr/lib/sqoop/./accumulo does not exist! Accumulo imports will fail.
Please set $ACCUMULO_HOME to the root of your Accumulo installation.
22/08/25 01:10:46 INFO sqoop.Sqoop: Running Sqoop version: 1.4.6-cdh5.13.0
22/08/25 01:10:46 WARN tool.BaseSqoopTool: Setting your password on the command-line is insecure. Consider using -P instead.
22/08/25 01:10:46 INFO manager.MySQLManager: Preparing to use a MySQL streaming resultset.
22/08/25 01:10:46 INFO tool.CodeGenTool: Beginning code generation
22/08/25 01:10:47 INFO manager.SqlManager: Executing SQL statement: SELECT t.* FROM `orders` AS t LIMIT 1
22/08/25 01:10:47 INFO orm.CompilationManager: HADOOP_MAPRED_HOME is /usr/lib/hadoop-mapreduce
Note: /tmp/sqoop-hdfs/compile/385c204704af5fcb880d9f0ce078d464/orders.java uses or overrides a deprecated API.
Note: Recompile with -Xlint:deprecation for details.
22/08/25 01:10:49 INFO orm.CompilationManager: Writing jar file: /tmp/sqoop-hdfs/compile/385c204704af5fcb880d9f0ce078d464/orders.jar
22/08/25 01:10:49 WARN manager.MySQLManager: It looks like you are importing from mysql.
22/08/25 01:10:49 WARN manager.MySQLManager: This transfer can be faster! Use the --direct
22/08/25 01:10:49 WARN manager.MySQLManager: option to exercise a MySQL-specific fast path.
22/08/25 01:10:49 INFO manager.MySQLManager: Setting zero DATETIME behavior to convertToNull (mysql)
22/08/25 01:10:49 INFO mapreduce.ImportJobBase: Beginning import of orders
22/08/25 01:10:50 INFO Configuration.deprecation: mapred.jar is deprecated. Instead, use mapreduce.job.jar
22/08/25 01:10:51 INFO Configuration.deprecation: mapred.map.tasks is deprecated. Instead, use mapreduce.job.maps
22/08/25 01:10:51 INFO Client.RMProxy: Connecting to ResourceManager at quickstart.cloudera/10.0.2.15:8032
22/08/25 01:10:52 WARN hdfs.DFSClient: Caught exception
java.lang.InterruptedException
    at java.lang.Object.wait(Native Method)
    at java.lang.Thread.join(Thread.java:1281)
    at java.lang.Thread.join(Thread.java:1355)
    at org.apache.hadoop.hdfs.DFSOutputStream$DataStreamer.closeResponder(DFSOutputStream.java:967)
    at org.apache.hadoop.hdfs.DFSOutputStream$DataStreamer.endBlock(DFSOutputStream.java:785)
    at org.apache.hadoop.hdfs.DFSOutputStream$DataStreamer.run(DFSOutputStream.java:894)
22/08/25 01:10:52 WARN hdfs.DFSClient: Caught exception
java.lang.InterruptedException
    at java.lang.Object.wait(Native Method)
    at java.lang.Thread.join(Thread.java:1281)
    at java.lang.Thread.join(Thread.java:1355)
    at org.apache.hadoop.hdfs.DFSOutputStream$DataStreamer.closeResponder(DFSOutputStream.java:967)
    at org.apache.hadoop.hdfs.DFSOutputStream$DataStreamer.endBlock(DFSOutputStream.java:785)
    at org.apache.hadoop.hdfs.DFSOutputStream$DataStreamer.run(DFSOutputStream.java:894)
22/08/25 01:10:52 WARN hdfs.DFSClient: Caught exception
java.lang.InterruptedException
    at java.lang.Object.wait(Native Method)
    at java.lang.Thread.join(Thread.java:1281)
    at java.lang.Thread.join(Thread.java:1355)
    at org.apache.hadoop.hdfs.DFSOutputStream$DataStreamer.closeResponder(DFSOutputStream.java:967)
    at org.apache.hadoop.hdfs.DFSOutputStream$DataStreamer.endBlock(DFSOutputStream.java:785)
    at org.apache.hadoop.hdfs.DFSOutputStream$DataStreamer.run(DFSOutputStream.java:894)
22/08/25 01:10:52 WARN hdfs.DFSClient: Caught exception
java.lang.InterruptedException
    at java.lang.Object.wait(Native Method)
    at java.lang.Thread.join(Thread.java:1281)
    at java.lang.Thread.join(Thread.java:1355)
    at org.apache.hadoop.hdfs.DFSOutputStream$DataStreamer.closeResponder(DFSOutputStream.java:967)
    at org.apache.hadoop.hdfs.DFSOutputStream$DataStreamer.endBlock(DFSOutputStream.java:785)
    at org.apache.hadoop.hdfs.DFSOutputStream$DataStreamer.run(DFSOutputStream.java:894)
22/08/25 01:10:54 INFO mapreduce.Job: The url to track the job: http://quickstart.cloudera:8088/proxy/application_1661401342371_0013/
22/08/25 01:10:54 INFO mapreduce.Job: Running job: job_1661401342371_0013
22/08/25 01:11:06 INFO mapreduce.Job: Job job_1661401342371_0013 running in uber mode : false
22/08/25 01:11:06 INFO mapreduce.Job: map 0% reduce 0%
22/08/25 01:11:19 INFO mapreduce.Job: map 100% reduce 0%
22/08/25 01:11:20 INFO mapreduce.Job: Job job_1661401342371_0013 completed successfully
22/08/25 01:11:20 INFO mapreduce.Job: Counters: 30
    File System Counters
        FILE: Number of bytes read=0
        FILE: Number of bytes written=171899
        FILE: Number of read operations=0
        FILE: Number of large read operations=0
        FILE: Number of write operations=0
        HDFS: Number of bytes read=87
        HDFS: Number of bytes written=471106
        HDFS: Number of read operations=4
        HDFS: Number of large read operations=0
        HDFS: Number of write operations=2
    Job Counters
        Launched map tasks=1
        Other local map tasks=1
        Total time spent by all maps in occupied slots (ms)=5779456
        Total time spent by all reduces in occupied slots (ms)=0
        Total time spent by all map tasks (ms)=11288
        Total vcore-milliseconds taken by all map tasks=11288
        Total megabyte-milliseconds taken by all map tasks=5779456
    Map-Reduce Framework
        Map input records=68883
        Map output records=68883
        Input split bytes=87
        Spilled Records=0
        Failed Shuffles=0
        Merged Map outputs=0
        GC time elapsed (ms)=166
        CPU time spent (ms)=3590
        Physical memory (bytes) snapshot=112705536
        Virtual memory (bytes) snapshot=702337024
        Total committed heap usage (bytes)=29949952
    File Input Format Counters
        Bytes Read=0
    File Output Format Counters
        Bytes Written=471106
22/08/25 01:11:20 INFO mapreduce.ImportJobBase: Transferred 460.0645 KB in 29.5234 seconds (15.583 KB/sec)
22/08/25 01:11:20 INFO mapreduce.ImportJobBase: Retrieved 68883 records.
-bash-4.1$ hdfs dfs -ls /25aug_gzip
Found 2 items
-rw-r--r-- 1 hdfs supergroup 0 2022-08-25 01:11 /25aug_gzip/_SUCCESS
-rw-r--r-- 1 hdfs supergroup 471106 2022-08-25 01:11 /25aug_gzip/part-m-00000.gz
```

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-bash-4.1$ sqoop import --connect jdbc:mysql://localhost/retail_db --username root --password cloudera --table orders --target-dir /25aug_lz4 -m 1 --compress --compression-codec lz4
Warning: /usr/lib/sqoop/../accumulo does not exist! Accumulo imports will fail.
Please set $ACCUMULO_HOME to the root of your Accumulo installation.
22/08/25 00:40:07 INFO sqoop.Sqoop: Running Sqoop version: 1.4.6-cdh5.13.0
22/08/25 00:40:07 WARN tool.BaseSqoopTool: Setting your password on the command-line is insecure. Consider using -P instead.
22/08/25 00:40:07 INFO manager.MySQLManager: Preparing to use a MySQL streaming resultset.
22/08/25 00:40:07 INFO tool.CodeGenTool: Beginning code generation
22/08/25 00:40:08 INFO manager.SqlManager: Executing SQL statement: SELECT t.* FROM `orders` AS t LIMIT 1
22/08/25 00:40:08 INFO manager.SqlManager: Executing SQL statement: SELECT t.* FROM `orders` AS t LIMIT 1
22/08/25 00:40:08 INFO orm.CompilationManager: HADOOP MAPRED_HOME is /usr/lib/hadoop-mapreduce
Note: /tmp/sqoop-hdfs/compile/5b9f24057014644324ab8b169f88f6e/orders.java uses or overrides a deprecated API.
Note: Recompile with -Xlint:deprecation for details.
22/08/25 00:40:10 INFO orm.CompilationManager: Writing jar file: /tmp/sqoop-hdfs/compile/5b9f24057014644324ab8b169f88f6e/orders.jar
22/08/25 00:40:10 WARN manager.MySQLManager: It looks like you are importing from mysql.
22/08/25 00:40:10 WARN manager.MySQLManager: This transfer can be faster! Use the --direct
22/08/25 00:40:10 WARN manager.MySQLManager: option to exercise a MySQL-specific fast path.
22/08/25 00:40:10 INFO manager.MySQLManager: Setting zero DATETIME behavior to convertToNull (mysql)
22/08/25 00:40:10 INFO mapreduce.ImportJobBase: Beginning import of orders
22/08/25 00:40:11 INFO Configuration.deprecation: mapred.jar is deprecated. Instead, use mapreduce.job.jar
22/08/25 00:40:12 INFO Configuration.deprecation: mapred.map.tasks is deprecated. Instead, use mapreduce.job.maps
22/08/25 00:40:12 INFO client.RMProxy: Connecting to ResourceManager at quickstart.cloudera/10.0.2.15:8032
22/08/25 00:40:13 WARN hdfs.DFSClient: Caught exception
java.lang.InterruptedException
    at java.lang.Object.wait(Native Method)
    at java.lang.Thread.join(Thread.java:1281)
    at java.lang.Thread.join(Thread.java:1355)
    at org.apache.hadoop.hdfs.DFSOutputStream$DataStreamer.closeResponder(DFSOutputStream.java:967)
    at org.apache.hadoop.hdfs.DFSOutputStream$DataStreamer.endBlock(DFSOutputStream.java:705)
    at org.apache.hadoop.hdfs.DFSOutputStream$DataStreamer.run(DFSOutputStream.java:894)
22/08/25 00:40:13 WARN hdfs.DFSClient: Caught exception
java.lang.InterruptedException
    at java.lang.Object.wait(Native Method)
    at java.lang.Thread.join(Thread.java:1281)
    at java.lang.Thread.join(Thread.java:1355)
    at org.apache.hadoop.hdfs.DFSOutputStream$DataStreamer.closeResponder(DFSOutputStream.java:967)
    at org.apache.hadoop.hdfs.DFSOutputStream$DataStreamer.endBlock(DFSOutputStream.java:705)
    at org.apache.hadoop.hdfs.DFSOutputStream$DataStreamer.run(DFSOutputStream.java:894)
22/08/25 00:40:13 WARN hdfs.DFSClient: Caught exception
java.lang.InterruptedException
    at java.lang.Object.wait(Native Method)
    at java.lang.Thread.join(Thread.java:1281)
    at java.lang.Thread.join(Thread.java:1355)

total committed heap usage (bytes):2597792

File Input Format Counters
  Bytes Read=0
File Output Format Counters
  Bytes Written=866740
22/08/25 00:40:42 INFO mapreduce.ImportJobBase: Transferred 846.4258 KB in 30.6381 seconds (27.6266 KB/sec)
22/08/25 00:40:42 INFO mapreduce.ImportJobBase: Retrieved 68883 records.
-bash-4.1$ hdfs dfs -ls /25aug_lz4
Found 2 items
-rw-r--r-- 1 hdfs supergroup 0 2022-08-25 00:40 /25aug_lz4/_SUCCESS
-rw-r--r-- 1 hdfs supergroup 866740 2022-08-25 00:40 /25aug_lz4/part-m-00000.lz4

```

Q2. Try to import all the table from the retail_db database to the hadoop hdfs location /allTable

- Remember in case the same folder is present so you should still run the same sqoop command & should get the output.

```
[cloudera@quickstart ~]$ sqoop import-all-tables --connect jdbc:mysql://localhost/retail_db --username root --password cloudera --warehouse-dir /27aug12 -m 1
```

```
at org.apache.hadoop.hdfs.DFSOutputStream$DataStreamer.run(DFSOutputStream.java:894)
22/08/26 03:19:37 INFO mapreduce.JobSubmitter: number of splits:1
22/08/26 03:19:37 INFO mapreduce.JobSubmitter: Submitting tokens for job: job_1661493687528_0013
22/08/26 03:19:37 INFO impl.YarnClientImpl: Submitted application application_1661493687528_0013
22/08/26 03:19:37 INFO mapreduce.Job: The url to track the job: http://quickstart.cloudera:8088/proxy/application_1661493687528_0013/
22/08/26 03:19:37 INFO mapreduce.Job: Running job: job_1661493687528_0013
22/08/26 03:19:48 INFO mapreduce.Job: Job job_1661493687528_0013 running in uber mode : false
22/08/26 03:19:48 INFO mapreduce.Job: map 0% reduce 0%
22/08/26 03:19:57 INFO mapreduce.Job: map 100% reduce 0%
22/08/26 03:19:57 INFO mapreduce.Job: Job job_1661493687528_0013 completed successfully
22/08/26 03:19:57 INFO mapreduce.Job: Counters: 30
File System Counters
  FILE: Number of bytes read=0
  FILE: Number of bytes written=172104
  FILE: Number of read operations=0
  FILE: Number of large read operations=0
  FILE: Number of write operations=0
  HDFS: Number of bytes read=87
  HDFS: Number of bytes written=173993
  HDFS: Number of read operations=4
  HDFS: Number of large read operations=0
  HDFS: Number of write operations=2
Job Counters
  Launched map tasks=1
  Other local map tasks=1
  Total time spent by all maps in occupied slots (ms)=2756608
  Total time spent by all reduces in occupied slots (ms)=0
  Total time spent by all map tasks (ms)=5384
  Total vcore-milliseconds taken by all map tasks=5384
  Total megabyte-milliseconds taken by all map tasks=2756608
Map-Reduce Framework
  Map input records=1345
  Map output records=1345
  Input split bytes=87
  Spilled Records=0
  Failed Shuffles=0
  Merged Map outputs=0
  GC time elapsed (ms)=104
  CPU time spent (ms)=790
  Physical memory (bytes) snapshot=110809088
  Virtual memory (bytes) snapshot=699101184
  Total committed heap usage (bytes)=29949952
File Input Format Counters
  Bytes Read=0
File Output Format Counters
  Bytes Written=173993
22/08/26 03:19:57 INFO mapreduce.ImportJobBase: Transferred 169.915 KB in 22.1723 seconds (7.6634 KB/sec)
22/08/26 03:19:57 INFO mapreduce.ImportJobBase: Retrieved 1345 records.
```

```
-bash-4.1$ hdfs dfs -ls /27aug12
Found 6 items
drwxr-xr-x - cloudera supergroup 0 2022-08-26 03:13 /27aug12/categories
drwxr-xr-x - cloudera supergroup 0 2022-08-26 03:13 /27aug12/customers
drwxr-xr-x - cloudera supergroup 0 2022-08-26 03:14 /27aug12/departments
drwxr-xr-x - cloudera supergroup 0 2022-08-26 03:19 /27aug12/order_items
drwxr-xr-x - cloudera supergroup 0 2022-08-26 03:19 /27aug12/orders
drwxr-xr-x - cloudera supergroup 0 2022-08-26 03:19 /27aug12/products
```

Q3. Try to find out the difference between the option => --warehouse-dir & --target-dir

--warehouse-dir points to the Hive folder to import data into (I've used it when importing tables wholesale) While --target-dir is needed when importing into hive via query (sqoop errs asking for it). In the latter scenario, it is used as a temporary area for the mappers to be followed by LOAD INPATH.

. Target-dir will work only when you import a single table. That implies this won't work when you use "Sqoop import-all-tables"

. warehouse-dir creates the parent directory in which all your tables will be stored in the folders which are named after the table name.

. If you are importing table by table, each time you need to provide the distinctive target-directory location as target-directory location can't be same in each import.

Q4. Try to import the data from the orders table of mysql

-only extract 3 columns such as => order_id, order_date, order_customer_id (in the hdfs table)

- Get all the above 3 columns for only for those order_customer_id whose customer_id is greater than 5000

```
[cloudera@quickstart ~]$ sqoop import --connect jdbc:mysql://localhost/retail_db --username root --password cloudera --table orders --columns order_id,order_date,order_customer_id --where "order_customer_id > 5000" --target-dir /26aug_s
-m 1
Warning: /usr/lib/sqoop/./accumulo does not exist! Accumulo imports will fail.
Please set $ACCUMULO_HOME to the root of your Accumulo installation.
22/08/26 00:44:22 INFO sqoop.Sqoop: Running Sqoop version: 1.4.6-cdh5.13.0
22/08/26 00:44:22 WARN tool.BaseSqoopTool: Setting your password on the command-line is insecure. Consider using -P instead.
22/08/26 00:44:22 INFO manager.MySQLManager: Preparing to use a MySQL streaming resultset.
22/08/26 00:44:22 INFO tool.CodeGenTool: Beginning code generation
22/08/26 00:44:23 INFO manager.SqlManager: Executing SQL statement: SELECT t.* FROM 'orders' AS t LIMIT 1
22/08/26 00:44:23 INFO manager.SqlManager: Executing SQL statement: SELECT t.* FROM 'orders' AS t LIMIT 1
22/08/26 00:44:23 INFO orm.CompilationManager: HADOOP_MAPRED_HOME is /usr/lib/hadoop-mapreduce
Note: /tmp/sqoop-cloudera/compile/fbe22ea1531094170bd56c5bd9be2f74/orders.java uses or overrides a deprecated API.
Note: Recompile with -Xlint:deprecation for details.
22/08/26 00:44:26 INFO orm.CompilationManager: Writing jar file: /tmp/sqoop-cloudera/compile/fbe22ea1531094170bd56c5bd9be2f74/orders.jar
22/08/26 00:44:26 WARN manager.MySQLManager: It looks like you are importing from mysql.
22/08/26 00:44:26 WARN manager.MySQLManager: This transfer can be faster! Use the --direct
22/08/26 00:44:26 WARN manager.MySQLManager: option to exercise a MySQL-specific fast path.
22/08/26 00:44:26 INFO manager.MySQLManager: Setting zero DATETIME behavior to convertToNull (mysql)
22/08/26 00:44:26 INFO mapreduce.ImportJobBase: Beginning import of orders
22/08/26 00:44:26 INFO Configuration.deprecation: mapred.jar is deprecated. Instead, use mapreduce.job.jar
22/08/26 00:44:27 INFO Configuration.deprecation: mapred.map.tasks is deprecated. Instead, use mapreduce.job.maps
22/08/26 00:44:28 INFO Client.RMProxy: Connecting to ResourceManager at quickstart.cloudera/10.0.2.15:8032
22/08/26 00:44:29 WARN hdfs.DFSCliet: Caught exception
java.lang.InterruptedException
    at java.lang.Object.wait(Native Method)
    at java.lang.Thread.join(Thread.java:1281)
    at java.lang.Thread.join(Thread.java:1355)
    at org.apache.hadoop.hdfs.DFSOutputStream$DataStreamer.closeResponder(DFSOutputStream.java:967)
    at org.apache.hadoop.hdfs.DFSOutputStream$DataStreamer.endBlock(DFSOutputStream.java:705)
    at org.apache.hadoop.hdfs.DFSOutputStream$DataStreamer.run(DFSOutputStream.java:894)
22/08/26 00:44:29 WARN hdfs.DFSCliet: Caught exception
java.lang.InterruptedException
    at java.lang.Object.wait(Native Method)
    at java.lang.Thread.join(Thread.java:1281)
    at java.lang.Thread.join(Thread.java:1355)
    at org.apache.hadoop.hdfs.DFSOutputStream$DataStreamer.closeResponder(DFSOutputStream.java:967)
    at org.apache.hadoop.hdfs.DFSOutputStream$DataStreamer.endBlock(DFSOutputStream.java:705)
    at org.apache.hadoop.hdfs.DFSOutputStream$DataStreamer.run(DFSOutputStream.java:894)
22/08/26 00:44:29 WARN hdfs.DFSCliet: Caught exception
java.lang.InterruptedException
    at java.lang.Object.wait(Native Method)
    at java.lang.Thread.join(Thread.java:1281)
    at java.lang.Thread.join(Thread.java:1355)
    at org.apache.hadoop.hdfs.DFSOutputStream$DataStreamer.closeResponder(DFSOutputStream.java:967)
    at org.apache.hadoop.hdfs.DFSOutputStream$DataStreamer.endBlock(DFSOutputStream.java:705)
    at org.apache.hadoop.hdfs.DFSOutputStream$DataStreamer.run(DFSOutputStream.java:894)
22/08/26 00:44:29 WARN hdfs.DFSCliet: Caught exception
java.lang.InterruptedException
    at java.lang.Object.wait(Native Method)
```

```
at org.apache.hadoop.hdfs.DFSOutputStream$DataStreamer.run(DFSOutputStream.java:894)
22/08/26 00:44:30 INFO mapreduce.JobSubmitter: number of splits:1
22/08/26 00:44:31 INFO mapreduce.JobSubmitter: Submitting tokens for job: job_1661493687528_0005
22/08/26 00:44:31 INFO impl.YarnClientImpl: Submitted application application_1661493687528_0005
22/08/26 00:44:31 INFO mapreduce.Job: The url to track the job: http://quickstart.cloudera:8088/proxy/application_1661493687528_0005/
22/08/26 00:44:31 INFO mapreduce.Job: Running job: job_1661493687528_0005
22/08/26 00:44:48 INFO mapreduce.Job: Job job_1661493687528_0005 running in uber mode : false
22/08/26 00:44:48 INFO mapreduce.Job: map 0% reduce 0%
22/08/26 00:51:37 INFO mapreduce.Job: map 100% reduce 0%
22/08/26 00:51:38 INFO mapreduce.Job: Job job_1661493687528_0005 completed successfully
22/08/26 00:51:38 INFO mapreduce.Job: Counters: 30
  File System Counters
    FILE: Number of bytes read=0
    FILE: Number of bytes written=172727
    FILE: Number of read operations=0
    FILE: Number of large read operations=0
    FILE: Number of write operations=0
    HDFS: Number of bytes read=87
    HDFS: Number of bytes written=1366720
    HDFS: Number of read operations=4
    HDFS: Number of large read operations=0
    HDFS: Number of write operations=2
  Job Counters
    Launched map tasks=1
    Other local map tasks=1
    Total time spent by all maps in occupied slots (ms)=207502336
    Total time spent by all reduces in occupied slots (ms)=0
    Total time spent by all map tasks (ms)=405278
    Total vcore-milliseconds taken by all map tasks=405278
    Total megabyte-milliseconds taken by all map tasks=207502336
  Map-Reduce Framework
    Map input records=41208
    Map output records=41208
    Input split bytes=87
    Spilled Records=0
    Failed Shuffles=0
    Merged Map outputs=0
    GC time elapsed (ms)=981
    CPU time spent (ms)=2920
    Physical memory (bytes) snapshot=105828352
    Virtual memory (bytes) snapshot=699215872
    Total committed heap usage (bytes)=29949952
  File Input Format Counters
    Bytes Read=0
  File Output Format Counters
    Bytes Written=1366720
22/08/26 00:51:38 INFO mapreduce.ImportJobBase: Transferred 1.3034 MB in 430.7436 seconds (3.0986 KB/sec)
22/08/26 00:51:38 INFO mapreduce.ImportJobBase: Retrieved 41208 records.
```

```
-bash-4.1$ hdfs dfs -ls /26aug_s
```

```
Found 2 items
```

```
-rw-r--r-- 1 cloudera supergroup 0 2022-08-26 00:51 /26aug_s/ SUCCESS
-rw-r--r-- 1 cloudera supergroup 1366720 2022-08-26 00:51 /26aug_s/part-m-00000
```

```
-bash-4.1$ hdfs dfs -cat /26aug_s/part-m-00000
```

```
68794,2014-01-31 00:00:00.0,6873
68795,2014-02-09 00:00:00.0,6950
68796,2014-02-10 00:00:00.0,12377
68797,2014-02-12 00:00:00.0,5932
68799,2014-02-14 00:00:00.0,11190
68800,2014-02-17 00:00:00.0,10037
68802,2014-02-19 00:00:00.0,10670
68803,2014-02-23 00:00:00.0,9397
68805,2014-03-01 00:00:00.0,6599
68806,2014-03-02 00:00:00.0,10351
68809,2014-03-12 00:00:00.0,5946
68810,2014-03-15 00:00:00.0,9394
68814,2014-03-23 00:00:00.0,11408
68816,2014-03-26 00:00:00.0,8769
68817,2014-03-27 00:00:00.0,6704
68818,2014-03-31 00:00:00.0,12393
68820,2014-04-04 00:00:00.0,6358
68823,2014-04-07 00:00:00.0,7864
68825,2014-04-10 00:00:00.0,10201
68826,2014-04-14 00:00:00.0,7958
68827,2014-04-16 00:00:00.0,8814
68828,2014-04-20 00:00:00.0,5263
68829,2014-04-22 00:00:00.0,5981
68831,2014-04-24 00:00:00.0,8763
68832,2014-04-26 00:00:00.0,11203
68833,2014-04-30 00:00:00.0,12428
68834,2014-05-01 00:00:00.0,6938
68836,2014-05-03 00:00:00.0,8009
68839,2014-05-10 00:00:00.0,10090
68841,2014-05-14 00:00:00.0,12258
68842,2014-05-15 00:00:00.0,11268
68843,2014-05-16 00:00:00.0,10347
68845,2014-05-18 00:00:00.0,6584
68848,2014-05-22 00:00:00.0,6517
68850,2014-05-25 00:00:00.0,8451
68851,2014-05-26 00:00:00.0,11193
68854,2014-06-01 00:00:00.0,6528
68856,2014-06-03 00:00:00.0,8853
68858,2014-06-06 00:00:00.0,10744
68862,2014-06-15 00:00:00.0,7326
68864,2014-06-18 00:00:00.0,9634
68868,2014-06-24 00:00:00.0,10184
68869,2014-06-25 00:00:00.0,7456
68875,2014-07-04 00:00:00.0,10637
68877,2014-07-07 00:00:00.0,9692
68878,2014-07-08 00:00:00.0,6753
68882,2014-07-22 00:00:00.0,10000
68883,2014-07-23 00:00:00.0,5533
```


Q5. Try to import any table at any location of hdfs but make sure the fields should be terminated by |(pipe operator)

```
[cloudera@quickstart ~]$ sudo -u hdfs hdfs dfs -chmod 777 /
[cloudera@quickstart ~]$ sqoop import --connect jdbc:mysql://localhost/retail_db --username root --password cloudera --table orders --fields-terminated-by '|' --lines-terminated-by "\n" --target-dir /26aug -m 1
Warning: /usr/lib/sqoop/./accumulo does not exist! Accumulo imports will fail.
Please set $ACCUMULO_HOME to the root of your Accumulo installation.
22/08/26 00:33:31 INFO sqoop.Sqoop: Running Sqoop version: 1.4.6-cdh5.13.0
22/08/26 00:33:31 WARN tool.BaseSqoopTool: Setting your password on the command-line is insecure. Consider using -P instead.
22/08/26 00:33:31 INFO manager.MySQLManager: Preparing to use a MySQL streaming resultset.
22/08/26 00:33:31 INFO tool.CodeGenTool: Beginning code generation
22/08/26 00:33:32 INFO manager.SqlManager: Executing SQL statement: SELECT t.* FROM `orders` AS t LIMIT 1
22/08/26 00:33:32 INFO manager.SqlManager: Executing SQL statement: SELECT t.* FROM `orders` AS t LIMIT 1
22/08/26 00:33:32 INFO orm.CompilationManager: HADOOP_MAPRED_HOME is /usr/lib/hadoop-mapreduce
Note: /tmp/sqoop-cloudera/compile/c1848ee7b49d51129ef8aa010fb273c7/orders.java uses or overrides a deprecated API.
Note: Recompile with -Xlint:deprecation for details.
22/08/26 00:33:35 INFO orm.CompilationManager: Writing jar file: /tmp/sqoop-cloudera/compile/c1848ee7b49d51129ef8aa010fb273c7/orders.jar
22/08/26 00:33:35 WARN manager.MySQLManager: It looks like you are importing from mysql.
22/08/26 00:33:35 WARN manager.MySQLManager: This transfer can be faster! Use the --direct
22/08/26 00:33:35 WARN manager.MySQLManager: option to exercise a MySQL-specific fast path.
22/08/26 00:33:35 INFO manager.MySQLManager: Setting zero DATETIME behavior to convertToNull (mysql)
22/08/26 00:33:35 INFO mapreduce.ImportJobBase: Beginning import of orders
22/08/26 00:33:35 INFO Configuration.deprecation: mapred.jar is deprecated. Instead, use mapreduce.job.jar
22/08/26 00:33:36 INFO Configuration.deprecation: mapred.map.tasks is deprecated. Instead, use mapreduce.job.maps
22/08/26 00:33:36 INFO client.RMProxy: Connecting to ResourceManager at quickstart.cloudera/10.0.2.15:8032
22/08/26 00:33:37 WARN hdfs.DFSClient: Caught exception
java.lang.InterruptedException
    at java.lang.Object.wait(Native Method)
    at java.lang.Thread.join(Thread.java:1281)
    at java.lang.Thread.join(Thread.java:1355)
    at org.apache.hadoop.hdfs.DFSOutputStream$DataStreamer.closeResponder(DFSOutputStream.java:967)
    at org.apache.hadoop.hdfs.DFSOutputStream$DataStreamer.endBlock(DFSOutputStream.java:785)
    at org.apache.hadoop.hdfs.DFSOutputStream$DataStreamer.run(DFSOutputStream.java:894)
22/08/26 00:33:37 WARN hdfs.DFSClient: Caught exception
java.lang.InterruptedException
    at java.lang.Object.wait(Native Method)
    at java.lang.Thread.join(Thread.java:1281)
    at java.lang.Thread.join(Thread.java:1355)
    at org.apache.hadoop.hdfs.DFSOutputStream$DataStreamer.closeResponder(DFSOutputStream.java:967)
    at org.apache.hadoop.hdfs.DFSOutputStream$DataStreamer.endBlock(DFSOutputStream.java:785)
    at org.apache.hadoop.hdfs.DFSOutputStream$DataStreamer.run(DFSOutputStream.java:894)
22/08/26 00:33:38 WARN hdfs.DFSClient: Caught exception
java.lang.InterruptedException
    at java.lang.Object.wait(Native Method)
    at java.lang.Thread.join(Thread.java:1281)
    at java.lang.Thread.join(Thread.java:1355)
    at org.apache.hadoop.hdfs.DFSOutputStream$DataStreamer.closeResponder(DFSOutputStream.java:967)
    at org.apache.hadoop.hdfs.DFSOutputStream$DataStreamer.endBlock(DFSOutputStream.java:785)
```

```
22/08/26 00:33:39 INFO db.DBInputFormat: Using read committed transaction isolation
22/08/26 00:33:39 INFO mapreduce.JobSubmitter: number of splits:1
22/08/26 00:33:39 INFO mapreduce.JobSubmitter: Submitting tokens for job: job_1661493687528_0004
22/08/26 00:33:40 INFO impl.YarnClientImpl: Submitted application application_1661493687528_0004
22/08/26 00:33:40 INFO mapreduce.Job: The url to track the job: http://quickstart.cloudera:8088/proxy/application_1661493687528_0004/
22/08/26 00:33:40 INFO mapreduce.Job: Running job: job_1661493687528_0004
22/08/26 00:33:53 INFO mapreduce.Job: Job job_1661493687528_0004 running in uber mode : false
22/08/26 00:33:53 INFO mapreduce.Job: map 0% reduce 0%
22/08/26 00:34:20 INFO mapreduce.Job: map 100% reduce 0%
22/08/26 00:34:21 INFO mapreduce.Job: Job job_1661493687528_0004 completed successfully
22/08/26 00:34:21 INFO mapreduce.Job: Counters: 30
```

File System Counters

```
FILE: Number of bytes read=0
FILE: Number of bytes written=172186
FILE: Number of read operations=0
FILE: Number of large read operations=0
FILE: Number of write operations=0
HDFS: Number of bytes read=87
HDFS: Number of bytes written=2999944
HDFS: Number of read operations=4
HDFS: Number of large read operations=0
HDFS: Number of write operations=2
```

Job Counters

```
Launched map tasks=1
Other local map tasks=1
Total time spent by all maps in occupied slots (ms)=12196864
Total time spent by all reduces in occupied slots (ms)=0
Total time spent by all map tasks (ms)=23822
Total vcore-milliseconds taken by all map tasks=23822
Total megabyte-milliseconds taken by all map tasks=12196864
```

Map-Reduce Framework

```
Map input records=68883
Map output records=68883
Input split bytes=87
Spilled Records=0
Failed Shuffles=0
Merged Map outputs=0
GC time elapsed (ms)=162
CPU time spent (ms)=3440
Physical memory (bytes) snapshot=102715392
Virtual memory (bytes) snapshot=700149760
Total committed heap usage (bytes)=29949952
```

File Input Format Counters

```
Bytes Read=0
```

File Output Format Counters

```
Bytes Written=2999944
```

```
22/08/26 00:34:21 INFO mapreduce.ImportJobBase: Transferred 2.861 MB in 44.8901 seconds (65.2623 KB/sec)
22/08/26 00:34:21 INFO mapreduce.ImportJobBase: Retrieved 68883 records.
```

```
[cloudera@quickstart ~]$
```

```
[cloudera@quickstart ~]$ sudo -u hdfs hdfs dfsadmin -safemode leave
```

```
Safe mode is OFF
```

```
[cloudera@quickstart ~]$ su - hdfs
```

```
Password:
```

```
-bash-4.1$ hdfs dfs -ls /
```

```
-ls: Unknown command
```

```
-bash-4.1$ hdfs dfs -ls /
```

```
Found 32 items
```

drwxr-xr-x	-	hdfs	supergroup	0	2022-08-18	08:57	/12aug
drwxr-xr-x	-	hdfs	supergroup	0	2022-08-16	07:36	/18aug
drwxr-xr-x	-	hdfs	supergroup	0	2022-08-19	05:22	/19aug
drwxr-xr-x	-	hdfs	supergroup	0	2022-08-12	23:37	/1aug
drwxr-xr-x	-	hdfs	supergroup	0	2022-08-24	23:10	/25aug
drwxr-xr-x	-	hdfs	supergroup	0	2022-08-24	23:17	/25aug.snappy
drwxr-xr-x	-	hdfs	supergroup	0	2022-08-25	00:49	/25aug_bzip
drwxr-xr-x	-	hdfs	supergroup	0	2022-08-24	23:41	/25aug_cond
drwxr-xr-x	-	hdfs	supergroup	0	2022-08-24	23:37	/25aug_cust
drwxr-xr-x	-	hdfs	supergroup	0	2022-08-25	00:18	/25aug_deflate
drwxr-xr-x	-	hdfs	supergroup	0	2022-08-25	00:23	/25aug_deflate1
drwxr-xr-x	-	hdfs	supergroup	0	2022-08-25	01:11	/25aug_gzip
drwxr-xr-x	-	hdfs	supergroup	0	2022-08-25	00:40	/25aug_lz4
drwxr-xr-x	-	hdfs	supergroup	0	2022-08-25	00:58	/25aug_lzip
drwxr-xr-x	-	hdfs	supergroup	0	2022-08-24	23:21	/25aug_snappy
drwxr-xr-x	-	cloudera	supergroup	0	2022-08-26	00:34	/26aug
drwxr-xr-x	-	hdfs	supergroup	0	2022-08-16	05:15	/5t
drwxrwxrwx	-	hdfs	supergroup	0	2017-10-23	09:15	/benchmarks
-rw-r--r--	1	hdfs	supergroup	0	2022-08-13	01:29	/datascience
drwxr-xr-x	-	hdfs	supergroup	0	2022-08-18	09:53	/dk
-rw-r--r--	1	hdfs	supergroup	0	2022-08-16	05:14	/fi.txt
drwxr-xr-x	-	hbase	supergroup	0	2022-08-10	02:53	/hbase
drwxr-xr-x	-	hdfs	supergroup	0	2022-08-14	09:34	/hii
drwxr-xr-x	-	hdfs	supergroup	0	2022-08-18	09:56	/home
drwxr-xr-x	-	hdfs	supergroup	0	2022-08-14	10:20	/l2
drwxr-xr-x	-	hdfs	supergroup	0	2022-08-16	05:06	/le3
-rw-r--r--	3	hdfs	supergroup	0	2022-08-14	10:11	/learn2
drwxr-xr-x	-	hdfs	supergroup	0	2022-08-14	10:53	/lern3
drwxr-xr-x	-	solr	solr	0	2017-10-23	09:18	/solr
drwxrwxrwt	-	hdfs	supergroup	0	2022-08-16	09:10	/tmp
drwxr-xr-x	-	hdfs	supergroup	0	2022-08-12	23:33	/user
drwxr-xr-x	-	hdfs	supergroup	0	2017-10-23	09:17	/var

```
-bash-4.1$ hdfs dfs -ls /26aug
```

```
Found 2 items
```

-rw-r--r--	1	cloudera	supergroup	0	2022-08-26	00:34	/26aug/_SUCCESS
-rw-r--r--	1	cloudera	supergroup	2999944	2022-08-26	00:34	/26aug/part-m-000

```
00
```

```
-bash-4.1$ hdfs dfs -ls /26aug
```

```
-bash-4.1$ hdfs dfs -cat /26aug/part-m-00000
```

```
68836|2014-05-03 00:00:00.0|8009|PENDING_PAYMENT
68837|2014-05-07 00:00:00.0|1223|COMPLETE
68838|2014-05-08 00:00:00.0|371|PENDING
68839|2014-05-10 00:00:00.0|10090|COMPLETE
68840|2014-05-11 00:00:00.0|4399|CLOSED
68841|2014-05-14 00:00:00.0|12258|PROCESSING
68842|2014-05-15 00:00:00.0|11268|PENDING
68843|2014-05-16 00:00:00.0|10347|PROCESSING
68844|2014-05-17 00:00:00.0|443|COMPLETE
68845|2014-05-18 00:00:00.0|6584|COMPLETE
68846|2014-05-20 00:00:00.0|3454|PROCESSING
68847|2014-05-21 00:00:00.0|2543|COMPLETE
68848|2014-05-22 00:00:00.0|6517|CLOSED
68849|2014-05-23 00:00:00.0|2356|COMPLETE
68850|2014-05-25 00:00:00.0|8451|COMPLETE
68851|2014-05-26 00:00:00.0|11193|PENDING_PAYMENT
68852|2014-05-29 00:00:00.0|4596|CLOSED
68853|2014-05-31 00:00:00.0|1202|PENDING_PAYMENT
68854|2014-06-01 00:00:00.0|6528|ON_HOLD
68855|2014-06-02 00:00:00.0|403|PENDING_PAYMENT
68856|2014-06-03 00:00:00.0|8853|PROCESSING
68857|2014-06-04 00:00:00.0|312|COMPLETE
68858|2014-06-06 00:00:00.0|10744|COMPLETE
68859|2014-06-11 00:00:00.0|1428|COMPLETE
68860|2014-06-12 00:00:00.0|4229|PENDING
68861|2014-06-13 00:00:00.0|3031|PENDING_PAYMENT
68862|2014-06-15 00:00:00.0|7326|PROCESSING
68863|2014-06-16 00:00:00.0|3361|CLOSED
68864|2014-06-18 00:00:00.0|9634|ON_HOLD
68865|2014-06-19 00:00:00.0|4567|SUSPECTED_FRAUD
68866|2014-06-20 00:00:00.0|3890|PENDING_PAYMENT
68867|2014-06-23 00:00:00.0|869|CANCELED
68868|2014-06-24 00:00:00.0|10184|PENDING
68869|2014-06-25 00:00:00.0|7456|PROCESSING
68870|2014-06-26 00:00:00.0|3343|COMPLETE
68871|2014-06-28 00:00:00.0|4960|PENDING
68872|2014-06-29 00:00:00.0|3354|COMPLETE
68873|2014-06-30 00:00:00.0|4545|PENDING
68874|2014-07-03 00:00:00.0|1601|COMPLETE
68875|2014-07-04 00:00:00.0|10637|ON_HOLD
68876|2014-07-06 00:00:00.0|4124|COMPLETE
68877|2014-07-07 00:00:00.0|9692|ON_HOLD
68878|2014-07-08 00:00:00.0|6753|COMPLETE
68879|2014-07-09 00:00:00.0|778|COMPLETE
68880|2014-07-13 00:00:00.0|1117|COMPLETE
68881|2014-07-19 00:00:00.0|2518|PENDING_PAYMENT
68882|2014-07-22 00:00:00.0|10000|ON_HOLD
68883|2014-07-23 00:00:00.0|5533|COMPLETE
```