```
2017-11-20 02:39:53,949 INFO org.apache.hadoop.yarn.client.api.impl.TimelineClientImpl (main):
Timeline service address: http://ip-172-31-20-220.us-east-2.compute.internal:8188/ws/v1/timeline/
2017-11-20 02:39:53,963 INFO org.apache.hadoop.yarn.client.RMProxy (main): Connecting to
ResourceManager at ip-172-31-20-220.us-east-2.compute.internal/172.31.20.220:8032
2017-11-20 02:39:54,484 INFO org.apache.hadoop.yarn.client.api.impl.TimelineClientImpl (main):
Timeline service address: http://ip-172-31-20-220.us-east-2.compute.internal:8188/ws/v1/timeline/
2017-11-20 02:39:54,485 INFO org.apache.hadoop.yarn.client.RMProxy (main): Connecting to
ResourceManager at ip-172-31-20-220.us-east-2.compute.internal/172.31.20.220:8032
2017-11-20 02:39:56,521 WARN com.amazon.ws.emr.hadoop.fs.rolemapping.RoleMappings (main): Found no
mappings configured with 'fs.s3.authorization.roleMapping', credentials resolution may not work as
expected
2017-11-20 02:39:58,124 WARN org.apache.hadoop.mapreduce.JobResourceUploader (main): Hadoop command-
line option parsing not performed. Implement the Tool interface and execute your application with
ToolRunner to remedy this.
2017-11-20 02:40:01,039 INFO com.hadoop.compression.lzo.GPLNativeCodeLoader (main): Loaded native gpl
library
2017-11-20 02:40:01,043 INFO com.hadoop.compression.lzo.LzoCodec (main): Successfully loaded &
initialized native-lzo library [hadoop-lzo rev 5f779390180acb8f1d86999c0a0294917976289f]
2017-11-20 02:40:01,121 INFO org.apache.hadoop.mapred.FileInputFormat (main): Total input paths to
process : 3
2017-11-20 02:40:01,200 INFO org.apache.hadoop.mapreduce.JobSubmitter (main): number of splits:9
2017-11-20 02:40:01,381 INFO org.apache.hadoop.mapreduce.JobSubmitter (main): Submitting tokens for
job: job_1511143224443_0002
2017-11-20 02:40:01,811 INFO org.apache.hadoop.yarn.client.api.impl.YarnClientImpl (main): Submitted
application application_1511143224443_0002
2017-11-20 02:40:02,004 INFO org.apache.hadoop.mapreduce.Job (main): The url to track the job:
http://ip-172-31-20-220.us-east-2.compute.internal:20888/proxy/application_1511143224443_0002/
2017-11-20 02:40:02,019 INFO org.apache.hadoop.mapreduce.Job (main): Running job:
job_1511143224443_0002
2017-11-20 02:40:09,216 INFO org.apache.hadoop.mapreduce.Job (main): Job job_1511143224443_0002
running in uber mode : false
2017-11-20 02:40:09,217 INFO org.apache.hadoop.mapreduce.Job (main):  map 0% reduce 0%
2017-11-20 02:40:24,397 INFO org.apache.hadoop.mapreduce.Job (main):  map 11% reduce 0%
2017-11-20 02:40:25,402 INFO org.apache.hadoop.mapreduce.Job (main):  map 22% reduce 0%
2017-11-20 02:40:33,460 INFO org.apache.hadoop.mapreduce.Job (main):  map 33% reduce 0%
2017-11-20 02:40:34,465 INFO org.apache.hadoop.mapreduce.Job (main):  map 56% reduce 0%
2017-11-20 02:40:36,475 INFO org.apache.hadoop.mapreduce.Job (main):  map 78% reduce 0%
2017-11-20 02:40:37,481 INFO org.apache.hadoop.mapreduce.Job (main):  map 89% reduce 0%
2017-11-20 02:40:45,516 INFO org.apache.hadoop.mapreduce.Job (main):  map 100% reduce 15%
2017-11-20 02:40:46,523 INFO org.apache.hadoop.mapreduce.Job (main):  map 100% reduce 100%
2017-11-20 02:40:47,535 INFO org.apache.hadoop.mapreduce.Job (main): Job job_1511143224443_0002
completed successfully
2017-11-20 02:40:47,648 INFO org.apache.hadoop.mapreduce.Job (main): Counters: 55
        File System Counters
                FILE: Number of bytes read=5651
                FILE: Number of bytes written=1423967
                FILE: Number of read operations=0
                FILE: Number of large read operations=0
                FILE: Number of write operations=0
                HDFS: Number of bytes read=807
                HDFS: Number of bytes written=0
                HDFS: Number of read operations=9
                HDFS: Number of large read operations=0
                HDFS: Number of write operations=0
                S3: Number of bytes read=43272
                S3: Number of bytes written=6604
                S3: Number of read operations=0
                S3: Number of large read operations=0
                S3: Number of write operations=0
        Job Counters
                Killed map tasks=1
                Launched map tasks=9
                Launched reduce tasks=2
                Data-local map tasks=9
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                    Total time spent by all maps in occupied slots (ms)=6485136
                    Total time spent by all reduces in occupied slots (ms)=1841952
                    Total time spent by all map tasks (ms)=135107
                    Total time spent by all reduce tasks (ms)=19187
                    Total vcore-milliseconds taken by all map tasks=135107
                    Total vcore-milliseconds taken by all reduce tasks=19187
                    Total megabyte-milliseconds taken by all map tasks=207524352
                    Total megabyte-milliseconds taken by all reduce tasks=58942464
        Map-Reduce Framework
                    Map input records=12
                    Map output records=1914
                    Map output bytes=37449
                    Map output materialized bytes=16755
                    Input split bytes=807
                    Combine input records=0
                    Combine output records=0
                    Reduce input groups=349
                    Reduce shuffle bytes=16755
                    Reduce input records=1914
                    Reduce output records=349
                    Spilled Records=3828
                    Shuffled Maps =18
                    Failed Shuffles=0
                    Merged Map outputs=18
                    GC time elapsed (ms)=4884
                    CPU time spent (ms)=10810
                    Physical memory (bytes) snapshot=5586518016
                    Virtual memory (bytes) snapshot=39040970752
                    Total committed heap usage (bytes)=5028970496
        Shuffle Errors
                    BAD_ID=0
                    CONNECTION=0
                    IO_ERROR=0
                    WRONG_LENGTH=0
                    WRONG_MAP=0
                    WRONG_REDUCE=0
        File Input Format Counters
                    Bytes Read=43272
        File Output Format Counters
                    Bytes Written=6604
```