```
2020-02-15 01:00:46,714 INFO org.apache.hadoop.yarn.client.RMProxy (main): Connecting to
ResourceManager at ip-172-31-2-22.ec2.internal/172.31.2.22:8032
2020-02-15 01:00:48,848 INFO org.apache.hadoop.mapreduce.lib.input.FileInputFormat (main):
Total input files to process: 1
2020-02-15 01:00:48,857 INFO com.hadoop.compression.lzo.GPLNativeCodeLoader (main): Loaded
native gpl library
2020-02-15 01:00:48,859 INFO com.hadoop.compression.lzo.LzoCodec (main): Successfully loaded
& initialized native-lzo library [hadoop-lzo rev 5f788d5e8f90539ee331702c753fa250727128f4]
2020-02-15 01:00:49,178 INFO org.apache.hadoop.mapreduce.JobSubmitter (main): number of
splits:20
2020-02-15 01:00:49,279 INFO org.apache.hadoop.mapreduce.JobSubmitter (main): Submitting
tokens for job: job_1581728349476 0001
2020-02-15 01:00:49,764 INFO org.apache.hadoop.yarn.client.api.impl.YarnClientImpl (main):
Submitted application application_1581728349476_0001
2020-02-15 01:00:49,861 INFO org.apache.hadoop.mapreduce.Job (main): The url to track the
job: http://ip-172-31-2-22.ec2.internal:20888/proxy/application_1581728349476_0001/
2020-02-15 01:00:49,861 INFO org.apache.hadoop.mapreduce.Job (main): Running job:
job 1581728349476 0001
2020-02-15 01:00:57,061 INFO org.apache.hadoop.mapreduce.Job (main): Job
job 1581728349476 0001 running in uber mode : false
2020-02-15 01:00:57,062 INFO org.apache.hadoop.mapreduce.Job (main):
                                                                      map 0% reduce 0%
2020-02-15 01:02:28,447 INFO org.apache.hadoop.mapreduce.Job (main):
                                                                      map 5% reduce 0%
2020-02-15 01:02:31,455 INFO org.apache.hadoop.mapreduce.Job (main):
                                                                      map 10% reduce 0%
2020-02-15 01:02:35,466 INFO org.apache.hadoop.mapreduce.Job (main):
                                                                      map 15% reduce 0%
2020-02-15 01:02:36,469 INFO org.apache.hadoop.mapreduce.Job (main):
                                                                      map 20% reduce 0%
2020-02-15 01:02:45,491 INFO org.apache.hadoop.mapreduce.Job (main):
                                                                      map 20% reduce 1%
2020-02-15 01:02:51,505 INFO org.apache.hadoop.mapreduce.Job (main):
                                                                      map 20% reduce 2%
2020-02-15 01:03:40,614 INFO org.apache.hadoop.mapreduce.Job (main):
                                                                      map 25% reduce 2%
2020-02-15 01:03:43,620 INFO org.apache.hadoop.mapreduce.Job (main):
                                                                      map 27% reduce 2%
2020-02-15 01:03:44,622 INFO org.apache.hadoop.mapreduce.Job (main):
                                                                      map 32% reduce 2%
2020-02-15 01:03:45,625 INFO org.apache.hadoop.mapreduce.Job (main): map 32% reduce 3%
2020-02-15 01:03:47,631 INFO org.apache.hadoop.mapreduce.Job (main): map 52% reduce 3%
2020-02-15 01:03:48,633 INFO org.apache.hadoop.mapreduce.Job (main): map 54% reduce 3%
2020-02-15 01:03:49,636 INFO org.apache.hadoop.mapreduce.Job (main): map 59% reduce 3%
2020-02-15 01:03:50,640 INFO org.apache.hadoop.mapreduce.Job (main): map 62% reduce 3%
2020-02-15 01:03:51,643 INFO org.apache.hadoop.mapreduce.Job (main): map 69% reduce 5%
2020-02-15 01:03:53,647 INFO org.apache.hadoop.mapreduce.Job (main): map 77% reduce 5%
2020-02-15 01:03:54,649 INFO org.apache.hadoop.mapreduce.Job (main): map 82% reduce 5%
2020-02-15 01:03:55,652 INFO org.apache.hadoop.mapreduce.Job (main): map 87% reduce 5%
2020-02-15 01:03:56,654 INFO org.apache.hadoop.mapreduce.Job (main):
                                                                     map 87% reduce 6%
2020-02-15 01:03:57,656 INFO org.apache.hadoop.mapreduce.Job (main):
                                                                     map 87% reduce 8%
2020-02-15 01:03:59,660 INFO org.apache.hadoop.mapreduce.Job (main): map 93% reduce 8%
2020-02-15 01:04:01,665 INFO org.apache.hadoop.mapreduce.Job (main): map 95% reduce 8%
2020-02-15 01:04:03,669 INFO org.apache.hadoop.mapreduce.Job (main): map 95% reduce 9%
2020-02-15 01:04:04,671 INFO org.apache.hadoop.mapreduce.Job (main): map 95% reduce 12%
2020-02-15 01:04:05,673 INFO org.apache.hadoop.mapreduce.Job (main): map 95% reduce 17%
2020-02-15 01:04:06,675 INFO org.apache.hadoop.mapreduce.Job (main): map 96% reduce 17%
2020-02-15 01:04:07,678 INFO org.apache.hadoop.mapreduce.Job (main): map 96% reduce 20%
2020-02-15 01:04:09,682 INFO org.apache.hadoop.mapreduce.Job (main): map 96% reduce 23%
2020-02-15 01:04:14,692 INFO org.apache.hadoop.mapreduce.Job (main): map 96% reduce 26%
2020-02-15 01:04:16,696 INFO org.apache.hadoop.mapreduce.Job (main): map 96% reduce 29%
2020-02-15 01:07:47,060 INFO org.apache.hadoop.mapreduce.Job (main): map 100% reduce 29%
2020-02-15 01:07:48,062 INFO org.apache.hadoop.mapreduce.Job (main): map 100% reduce 82%
2020-02-15 01:07:49,065 INFO org.apache.hadoop.mapreduce.Job (main):
                                                                      map 100% reduce 85%
2020-02-15 01:07:51,068 INFO org.apache.hadoop.mapreduce.Job (main):
                                                                      map 100% reduce 91%
2020-02-15 01:07:52,070 INFO org.apache.hadoop.mapreduce.Job (main): map 100% reduce 100%
2020-02-15 01:07:53,075 INFO org.apache.hadoop.mapreduce.Job (main): Job
job_1581728349476_0001 completed successfully
2020-02-15 01:07:53,173 INFO org.apache.hadoop.mapreduce.Job (main): Counters: 56
        File System Counters
                FILE: Number of bytes read=4456142
                FILE: Number of bytes written=14185548
                FILE: Number of read operations=0
                FILE: Number of large read operations=0
```

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FILE: Number of write operations=0
        HDFS: Number of bytes read=2240
        HDFS: Number of bytes written=0
        HDFS: Number of read operations=20
        HDFS: Number of large read operations=0
        HDFS: Number of write operations=0
        S3: Number of bytes read=27705144417
        S3: Number of bytes written=53
        S3: Number of read operations=0
        S3: Number of large read operations=0
        S3: Number of write operations=0
Job Counters
        Killed map tasks=3
        Killed reduce tasks=1
        Launched map tasks=20
        Launched reduce tasks=12
        Data-local map tasks=20
        Total time spent by all maps in occupied slots (ms)=322156320
        Total time spent by all reduces in occupied slots (ms)=495527232
        Total time spent by all map tasks (ms)=3355795
        Total time spent by all reduce tasks (ms)=2580871
        Total vcore-milliseconds taken by all map tasks=3355795
        Total vcore-milliseconds taken by all reduce tasks=2580871
        Total megabyte-milliseconds taken by all map tasks=10309002240
        Total megabyte-milliseconds taken by all reduce tasks=15856871424
Map-Reduce Framework
        Map input records=85331845
        Map output records=7234833
        Map output bytes=79583163
        Map output materialized bytes=4459468
        Input split bytes=2240
        Combine input records=0
        Combine output records=0
        Reduce input groups=1
        Reduce shuffle bytes=4459468
        Reduce input records=7234833
        Reduce output records=1
        Spilled Records=14469666
        Shuffled Maps =220
        Failed Shuffles=0
        Merged Map outputs=220
        GC time elapsed (ms)=69260
        CPU time spent (ms)=3182600
        Physical memory (bytes) snapshot=31937728512
        Virtual memory (bytes) snapshot=173287968768
        Total committed heap usage (bytes)=30120345600
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=1319507917
File Output Format Counters
        Bytes Written=53
```