**1. Run**

|  |  |
| --- | --- |
| Job Name: | twitter.jar |
| User Name: | ot305 |
| Queue: | root.users.ot305 |
| State: | SUCCEEDED |
| Uberized: | false |
| Submitted: | Sun Jan 07 16:35:40 GMT 2018 |
| Started: | Sun Jan 07 16:35:58 GMT 2018 |
| Finished: | Sun Jan 07 16:37:00 GMT 2018 |
| Elapsed: | 1mins, 1sec |
| Diagnostics: |  |
| Average Map Time | 7sec |
| Average Shuffle Time | 4sec |
| Average Merge Time | 10sec |
| Average Reduce Time | 15sec |

File System Counters

FILE: Number of bytes read=15491181

FILE: Number of bytes written=37683137

FILE: Number of read operations=0

FILE: Number of large read operations=0

FILE: Number of write operations=0

HDFS: Number of bytes read=5917649209

HDFS: Number of bytes written=376

HDFS: Number of read operations=138

HDFS: Number of large read operations=0

HDFS: Number of write operations=2

Job Counters

Launched map tasks=45

Launched reduce tasks=1

Data-local map tasks=44

Rack-local map tasks=1

Total time spent by all maps in occupied slots (ms)=327267

Total time spent by all reduces in occupied slots (ms)=29764

Total time spent by all map tasks (ms)=327267

Total time spent by all reduce tasks (ms)=29764

Total vcore-milliseconds taken by all map tasks=327267

Total vcore-milliseconds taken by all reduce tasks=29764

Total megabyte-milliseconds taken by all map tasks=335121408

Total megabyte-milliseconds taken by all reduce tasks=30478336

Map-Reduce Framework

Map input records=25767849

Map output records=24669171

Map output bytes=278921134

Map output materialized bytes=15504220

Input split bytes=5674

Combine input records=0

Combine output records=0

Reduce input groups=28

Reduce shuffle bytes=15504220

Reduce input records=24669171

Reduce output records=28

Spilled Records=49338342

Shuffled Maps =45

Failed Shuffles=0

Merged Map outputs=45

GC time elapsed (ms)=6886

CPU time spent (ms)=227580

Physical memory (bytes) snapshot=28758585344

Virtual memory (bytes) snapshot=129473433600

Total committed heap usage (bytes)=33908326400

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=5917643535

File Output Format Counters

Bytes Written=376

**2. Run**

|  |  |
| --- | --- |
| Job Name: | twitter.jar |
| User Name: | ot305 |
| Queue: | root.users.ot305 |
| State: | SUCCEEDED |
| Uberized: | false |
| Submitted: | Sun Jan 07 16:39:10 GMT 2018 |
| Started: | Sun Jan 07 16:39:22 GMT 2018 |
| Finished: | Sun Jan 07 16:40:30 GMT 2018 |
| Elapsed: | 1mins, 8sec |
| Diagnostics: |  |
| Average Map Time | 7sec |
| Average Shuffle Time | 11sec |
| Average Merge Time | 6sec |
| Average Reduce Time | 8sec |

File System Counters

FILE: Number of bytes read=15491181

FILE: Number of bytes written=37683137

FILE: Number of read operations=0

FILE: Number of large read operations=0

FILE: Number of write operations=0

HDFS: Number of bytes read=5917649209

HDFS: Number of bytes written=376

HDFS: Number of read operations=138

HDFS: Number of large read operations=0

HDFS: Number of write operations=2

Job Counters

Launched map tasks=45

Launched reduce tasks=1

Data-local map tasks=43

Rack-local map tasks=2

Total time spent by all maps in occupied slots (ms)=340533

Total time spent by all reduces in occupied slots (ms)=26808

Total time spent by all map tasks (ms)=340533

Total time spent by all reduce tasks (ms)=26808

Total vcore-milliseconds taken by all map tasks=340533

Total vcore-milliseconds taken by all reduce tasks=26808

Total megabyte-milliseconds taken by all map tasks=348705792

Total megabyte-milliseconds taken by all reduce tasks=27451392

Map-Reduce Framework

Map input records=25767849

Map output records=24669171

Map output bytes=278921134

Map output materialized bytes=15504220

Input split bytes=5674

Combine input records=0

Combine output records=0

Reduce input groups=28

Reduce shuffle bytes=15504220

Reduce input records=24669171

Reduce output records=28

Spilled Records=49338342

Shuffled Maps =45

Failed Shuffles=0

Merged Map outputs=45

GC time elapsed (ms)=5957

CPU time spent (ms)=219980

Physical memory (bytes) snapshot=28708151296

Virtual memory (bytes) snapshot=129465483264

Total committed heap usage (bytes)=33820770304

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=5917643535

File Output Format Counters

Bytes Written=376

**3. Run**

|  |  |
| --- | --- |
| Job Name: | twitter.jar |
| User Name: | ot305 |
| Queue: | root.users.ot305 |
| State: | SUCCEEDED |
| Uberized: | false |
| Submitted: | Sun Jan 07 16:41:40 GMT 2018 |
| Started: | Sun Jan 07 16:41:49 GMT 2018 |
| Finished: | Sun Jan 07 16:42:33 GMT 2018 |
| Elapsed: | 44sec |
| Diagnostics: |  |
| Average Map Time | 12sec |
| Average Shuffle Time | 2sec |
| Average Merge Time | 9sec |
| Average Reduce Time | 9sec |

File System Counters

FILE: Number of bytes read=15491181

FILE: Number of bytes written=37683137

FILE: Number of read operations=0

FILE: Number of large read operations=0

FILE: Number of write operations=0

HDFS: Number of bytes read=5917649209

HDFS: Number of bytes written=376

HDFS: Number of read operations=138

HDFS: Number of large read operations=0

HDFS: Number of write operations=2

Job Counters

Launched map tasks=45

Launched reduce tasks=1

Data-local map tasks=44

Rack-local map tasks=1

Total time spent by all maps in occupied slots (ms)=542671

Total time spent by all reduces in occupied slots (ms)=21862

Total time spent by all map tasks (ms)=542671

Total time spent by all reduce tasks (ms)=21862

Total vcore-milliseconds taken by all map tasks=542671

Total vcore-milliseconds taken by all reduce tasks=21862

Total megabyte-milliseconds taken by all map tasks=555695104

Total megabyte-milliseconds taken by all reduce tasks=22386688

Map-Reduce Framework

Map input records=25767849

Map output records=24669171

Map output bytes=278921134

Map output materialized bytes=15504220

Input split bytes=5674

Combine input records=0

Combine output records=0

Reduce input groups=28

Reduce shuffle bytes=15504220

Reduce input records=24669171

Reduce output records=28

Spilled Records=49338342

Shuffled Maps =45

Failed Shuffles=0

Merged Map outputs=45

GC time elapsed (ms)=9417

CPU time spent (ms)=236930

Physical memory (bytes) snapshot=28762136576

Virtual memory (bytes) snapshot=129466269696

Total committed heap usage (bytes)=33543421952

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=5917643535

File Output Format Counters

Bytes Written=376

**4. Run**

|  |  |
| --- | --- |
| Job Overview | |
| Job Name: | twitter.jar |
| User Name: | ot305 |
| Queue: | root.users.ot305 |
| State: | SUCCEEDED |
| Uberized: | false |
| Submitted: | Sun Jan 07 16:44:27 GMT 2018 |
| Started: | Sun Jan 07 16:44:33 GMT 2018 |
| Finished: | Sun Jan 07 16:45:14 GMT 2018 |
| Elapsed: | 41sec |
| Diagnostics: |  |
| Average Map Time | 10sec |
| Average Shuffle Time | 2sec |
| Average Merge Time | 12sec |
| Average Reduce Time | 8sec |

File System Counters

FILE: Number of bytes read=15491181

FILE: Number of bytes written=37683137

FILE: Number of read operations=0

FILE: Number of large read operations=0

FILE: Number of write operations=0

HDFS: Number of bytes read=5917649209

HDFS: Number of bytes written=376

HDFS: Number of read operations=138

HDFS: Number of large read operations=0

HDFS: Number of write operations=2

Job Counters

Launched map tasks=45

Launched reduce tasks=1

Data-local map tasks=44

Rack-local map tasks=1

Total time spent by all maps in occupied slots (ms)=491763

Total time spent by all reduces in occupied slots (ms)=23647

Total time spent by all map tasks (ms)=491763

Total time spent by all reduce tasks (ms)=23647

Total vcore-milliseconds taken by all map tasks=491763

Total vcore-milliseconds taken by all reduce tasks=23647

Total megabyte-milliseconds taken by all map tasks=503565312

Total megabyte-milliseconds taken by all reduce tasks=24214528

Map-Reduce Framework

Map input records=25767849

Map output records=24669171

Map output bytes=278921134

Map output materialized bytes=15504220

Input split bytes=5674

Combine input records=0

Combine output records=0

Reduce input groups=28

Reduce shuffle bytes=15504220

Reduce input records=24669171

Reduce output records=28

Spilled Records=49338342

Shuffled Maps =45

Failed Shuffles=0

Merged Map outputs=45

GC time elapsed (ms)=7830

CPU time spent (ms)=239620

Physical memory (bytes) snapshot=28875030528

Virtual memory (bytes) snapshot=129475158016

Total committed heap usage (bytes)=33893122048

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=5917643535

File Output Format Counters

Bytes Written=376

**5.Run**

|  |  |
| --- | --- |
| Job Name: | twitter.jar |
| User Name: | ot305 |
| Queue: | root.users.ot305 |
| State: | SUCCEEDED |
| Uberized: | false |
| Submitted: | Sun Jan 07 16:48:24 GMT 2018 |
| Started: | Sun Jan 07 16:48:31 GMT 2018 |
| Finished: | Sun Jan 07 16:50:13 GMT 2018 |
| Elapsed: | 1mins, 42sec |
| Diagnostics: |  |
| Average Map Time | 7sec |
| Average Shuffle Time | 8sec |
| Average Merge Time | 14sec |
| Average Reduce Time | 14sec |

**File System Counters**

**FILE: Number of bytes read=15491181**

**FILE: Number of bytes written=37683137**

**FILE: Number of read operations=0**

**FILE: Number of large read operations=0**

**FILE: Number of write operations=0**

**HDFS: Number of bytes read=5917649209**

**HDFS: Number of bytes written=376**

**HDFS: Number of read operations=138**

**HDFS: Number of large read operations=0**

**HDFS: Number of write operations=2**

**Job Counters**

**Launched map tasks=45**

**Launched reduce tasks=1**

**Data-local map tasks=44**

**Rack-local map tasks=1**

**Total time spent by all maps in occupied slots (ms)=350958**

**Total time spent by all reduces in occupied slots (ms)=37250**

**Total time spent by all map tasks (ms)=350958**

**Total time spent by all reduce tasks (ms)=37250**

**Total vcore-milliseconds taken by all map tasks=350958**

**Total vcore-milliseconds taken by all reduce tasks=37250**

**Total megabyte-milliseconds taken by all map tasks=359380992**

**Total megabyte-milliseconds taken by all reduce tasks=38144000**

**Map-Reduce Framework**

**Map input records=25767849**

**Map output records=24669171**

**Map output bytes=278921134**

**Map output materialized bytes=15504220**

**Input split bytes=5674**

**Combine input records=0**

**Combine output records=0**

**Reduce input groups=28**

**Reduce shuffle bytes=15504220**

**Reduce input records=24669171**

**Reduce output records=28**

**Spilled Records=49338342**

**Shuffled Maps =45**

**Failed Shuffles=0**

**Merged Map outputs=45**

**GC time elapsed (ms)=7243**

**CPU time spent (ms)=249120**

**Physical memory (bytes) snapshot=28721954816**

**Virtual memory (bytes) snapshot=129467969536**

**Total committed heap usage (bytes)=33687601152**

**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=5917643535**

**File Output Format Counters**

**Bytes Written=376**

**6. Run**

|  |  |
| --- | --- |
| Job Name: | twitter.jar |
| User Name: | ot305 |
| Queue: | root.users.ot305 |
| State: | SUCCEEDED |
| Uberized: | false |
| Submitted: | Sun Jan 07 16:51:29 GMT 2018 |
| Started: | Sun Jan 07 16:51:35 GMT 2018 |
| Finished: | Sun Jan 07 16:52:15 GMT 2018 |
| Elapsed: | 40sec |
| Diagnostics: |  |
| Average Map Time | 10sec |
| Average Shuffle Time | 3sec |
| Average Merge Time | 9sec |
| Average Reduce Time | 9sec |

File System Counters

FILE: Number of bytes read=15491181

FILE: Number of bytes written=37683137

FILE: Number of read operations=0

FILE: Number of large read operations=0

FILE: Number of write operations=0

HDFS: Number of bytes read=5917649209

HDFS: Number of bytes written=376

HDFS: Number of read operations=138

HDFS: Number of large read operations=0

HDFS: Number of write operations=2

Job Counters

Launched map tasks=45

Launched reduce tasks=1

Data-local map tasks=43

Rack-local map tasks=2

Total time spent by all maps in occupied slots (ms)=458851

Total time spent by all reduces in occupied slots (ms)=23732

Total time spent by all map tasks (ms)=458851

Total time spent by all reduce tasks (ms)=23732

Total vcore-milliseconds taken by all map tasks=458851

Total vcore-milliseconds taken by all reduce tasks=23732

Total megabyte-milliseconds taken by all map tasks=469863424

Total megabyte-milliseconds taken by all reduce tasks=24301568

Map-Reduce Framework

Map input records=25767849

Map output records=24669171

Map output bytes=278921134

Map output materialized bytes=15504220

Input split bytes=5674

Combine input records=0

Combine output records=0

Reduce input groups=28

Reduce shuffle bytes=15504220

Reduce input records=24669171

Reduce output records=28

Spilled Records=49338342

Shuffled Maps =45

Failed Shuffles=0

Merged Map outputs=45

GC time elapsed (ms)=7852

CPU time spent (ms)=234700

Physical memory (bytes) snapshot=28733165568

Virtual memory (bytes) snapshot=129469575168

Total committed heap usage (bytes)=33754710016

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=5917643535

File Output Format Counters

Bytes Written=376

**7. Run**

|  |  |
| --- | --- |
| Job Overview | |
| Job Name: | twitter.jar |
| User Name: | ot305 |
| Queue: | root.users.ot305 |
| State: | SUCCEEDED |
| Uberized: | false |
| Submitted: | Sun Jan 07 16:53:18 GMT 2018 |
| Started: | Sun Jan 07 16:53:27 GMT 2018 |
| Finished: | Sun Jan 07 16:55:03 GMT 2018 |
| Elapsed: | 1mins, 36sec |
| Diagnostics: |  |
| Average Map Time | 6sec |
| Average Shuffle Time | 12sec |
| Average Merge Time | 12sec |
| Average Reduce Time | 15sec |

**File System Counters**

**FILE: Number of bytes read=15491181**

**FILE: Number of bytes written=37683137**

**FILE: Number of read operations=0**

**FILE: Number of large read operations=0**

**FILE: Number of write operations=0**

**HDFS: Number of bytes read=5917649209**

**HDFS: Number of bytes written=376**

**HDFS: Number of read operations=138**

**HDFS: Number of large read operations=0**

**HDFS: Number of write operations=2**

**Job Counters**

**Launched map tasks=45**

**Launched reduce tasks=1**

**Data-local map tasks=43**

**Rack-local map tasks=2**

**Total time spent by all maps in occupied slots (ms)=286257**

**Total time spent by all reduces in occupied slots (ms)=40546**

**Total time spent by all map tasks (ms)=286257**

**Total time spent by all reduce tasks (ms)=40546**

**Total vcore-milliseconds taken by all map tasks=286257**

**Total vcore-milliseconds taken by all reduce tasks=40546**

**Total megabyte-milliseconds taken by all map tasks=293127168**

**Total megabyte-milliseconds taken by all reduce tasks=41519104**

**Map-Reduce Framework**

**Map input records=25767849**

**Map output records=24669171**

**Map output bytes=278921134**

**Map output materialized bytes=15504220**

**Input split bytes=5674**

**Combine input records=0**

**Combine output records=0**

**Reduce input groups=28**

**Reduce shuffle bytes=15504220**

**Reduce input records=24669171**

**Reduce output records=28**

**Spilled Records=49338342**

**Shuffled Maps =45**

**Failed Shuffles=0**

**Merged Map outputs=45**

**GC time elapsed (ms)=6305**

**CPU time spent (ms)=230950**

**Physical memory (bytes) snapshot=28802256896**

**Virtual memory (bytes) snapshot=129480130560**

**Total committed heap usage (bytes)=33782497280**

**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=5917643535**

**File Output Format Counters**

**Bytes Written=376**

**8. Run**

|  |  |
| --- | --- |
| Job Name: | twitter.jar |
| User Name: | ot305 |
| Queue: | root.users.ot305 |
| State: | SUCCEEDED |
| Uberized: | false |
| Submitted: | Sun Jan 07 16:55:48 GMT 2018 |
| Started: | Sun Jan 07 16:56:00 GMT 2018 |
| Finished: | Sun Jan 07 16:57:32 GMT 2018 |
| Elapsed: | 1mins, 31sec |
| Diagnostics: |  |
| Average Map Time | 7sec |
| Average Shuffle Time | 12sec |
| Average Merge Time | 9sec |
| Average Reduce Time | 12sec |

File System Counters

FILE: Number of bytes read=15491181

FILE: Number of bytes written=37683137

FILE: Number of read operations=0

FILE: Number of large read operations=0

FILE: Number of write operations=0

HDFS: Number of bytes read=5917649209

HDFS: Number of bytes written=376

HDFS: Number of read operations=138

HDFS: Number of large read operations=0

HDFS: Number of write operations=2

Job Counters

Launched map tasks=45

Launched reduce tasks=1

Data-local map tasks=43

Rack-local map tasks=2

Total time spent by all maps in occupied slots (ms)=332907

Total time spent by all reduces in occupied slots (ms)=35307

Total time spent by all map tasks (ms)=332907

Total time spent by all reduce tasks (ms)=35307

Total vcore-milliseconds taken by all map tasks=332907

Total vcore-milliseconds taken by all reduce tasks=35307

Total megabyte-milliseconds taken by all map tasks=340896768

Total megabyte-milliseconds taken by all reduce tasks=36154368

Map-Reduce Framework

Map input records=25767849

Map output records=24669171

Map output bytes=278921134

Map output materialized bytes=15504220

Input split bytes=5674

Combine input records=0

Combine output records=0

Reduce input groups=28

Reduce shuffle bytes=15504220

Reduce input records=24669171

Reduce output records=28

Spilled Records=49338342

Shuffled Maps =45

Failed Shuffles=0

Merged Map outputs=45

GC time elapsed (ms)=6599

CPU time spent (ms)=235470

Physical memory (bytes) snapshot=28706979840

Virtual memory (bytes) snapshot=129470341120

Total committed heap usage (bytes)=33645658112

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=5917643535

File Output Format Counters

Bytes Written=376

**9.Run**

|  |  |
| --- | --- |
| Job Name: | twitter.jar |
| User Name: | ot305 |
| Queue: | root.users.ot305 |
| State: | SUCCEEDED |
| Uberized: | false |
| Submitted: | Sun Jan 07 16:58:36 GMT 2018 |
| Started: | Sun Jan 07 16:58:57 GMT 2018 |
| Finished: | Sun Jan 07 17:00:47 GMT 2018 |
| Elapsed: | 1mins, 50sec |
| Diagnostics: |  |
| Average Map Time | 7sec |
| Average Shuffle Time | 9sec |
| Average Merge Time | 7sec |
| Average Reduce Time | 7sec |

File System Counters

FILE: Number of bytes read=15491181

FILE: Number of bytes written=37683137

FILE: Number of read operations=0

FILE: Number of large read operations=0

FILE: Number of write operations=0

HDFS: Number of bytes read=5917649209

HDFS: Number of bytes written=376

HDFS: Number of read operations=138

HDFS: Number of large read operations=0

HDFS: Number of write operations=2

Job Counters

Launched map tasks=45

Launched reduce tasks=1

Data-local map tasks=45

Total time spent by all maps in occupied slots (ms)=337735

Total time spent by all reduces in occupied slots (ms)=25161

Total time spent by all map tasks (ms)=337735

Total time spent by all reduce tasks (ms)=25161

Total vcore-milliseconds taken by all map tasks=337735

Total vcore-milliseconds taken by all reduce tasks=25161

Total megabyte-milliseconds taken by all map tasks=345840640

Total megabyte-milliseconds taken by all reduce tasks=25764864

Map-Reduce Framework

Map input records=25767849

Map output records=24669171

Map output bytes=278921134

Map output materialized bytes=15504220

Input split bytes=5674

Combine input records=0

Combine output records=0

Reduce input groups=28

Reduce shuffle bytes=15504220

Reduce input records=24669171

Reduce output records=28

Spilled Records=49338342

Shuffled Maps =45

Failed Shuffles=0

Merged Map outputs=45

GC time elapsed (ms)=6685

CPU time spent (ms)=224730

Physical memory (bytes) snapshot=28723281920

Virtual memory (bytes) snapshot=129466486784

Total committed heap usage (bytes)=33877393408

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=5917643535

File Output Format Counters

Bytes Written=376

**10. Run**

|  |  |
| --- | --- |
| Job Name: | twitter.jar |
| User Name: | ot305 |
| Queue: | root.users.ot305 |
| State: | SUCCEEDED |
| Uberized: | false |
| Submitted: | Sun Jan 07 17:02:27 GMT 2018 |
| Started: | Sun Jan 07 17:02:35 GMT 2018 |
| Finished: | Sun Jan 07 17:04:28 GMT 2018 |
| Elapsed: | 1mins, 53sec |
| Diagnostics: |  |
| Average Map Time | 8sec |
| Average Shuffle Time | 7sec |
| Average Merge Time | 10sec |
| Average Reduce Time | 14sec |

File System Counters

FILE: Number of bytes read=15491181

FILE: Number of bytes written=37683137

FILE: Number of read operations=0

FILE: Number of large read operations=0

FILE: Number of write operations=0

HDFS: Number of bytes read=5917649209

HDFS: Number of bytes written=376

HDFS: Number of read operations=138

HDFS: Number of large read operations=0

HDFS: Number of write operations=2

Job Counters

Launched map tasks=45

Launched reduce tasks=1

Data-local map tasks=44

Rack-local map tasks=1

Total time spent by all maps in occupied slots (ms)=393198

Total time spent by all reduces in occupied slots (ms)=32424

Total time spent by all map tasks (ms)=393198

Total time spent by all reduce tasks (ms)=32424

Total vcore-milliseconds taken by all map tasks=393198

Total vcore-milliseconds taken by all reduce tasks=32424

Total megabyte-milliseconds taken by all map tasks=402634752

Total megabyte-milliseconds taken by all reduce tasks=33202176

Map-Reduce Framework

Map input records=25767849

Map output records=24669171

Map output bytes=278921134

Map output materialized bytes=15504220

Input split bytes=5674

Combine input records=0

Combine output records=0

Reduce input groups=28

Reduce shuffle bytes=15504220

Reduce input records=24669171

Reduce output records=28

Spilled Records=49338342

Shuffled Maps =45

Failed Shuffles=0

Merged Map outputs=45

GC time elapsed (ms)=6940

CPU time spent (ms)=240380

Physical memory (bytes) snapshot=28685549568

Virtual memory (bytes) snapshot=129481052160

Total committed heap usage (bytes)=33622589440

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=5917643535

File Output Format Counters

Bytes Written=376