BDA_LAB-8

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Output

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C:\hadoop-3.0.0\sbin>hadoop jar C:\hadoop-3.0.0\share\hadoop\mapreduce\AverageProgram.jar /Average_Program /output_dir_avg_prg
2020-12-16 16:17:44,713 INFO client.RMProxy: Connecting to ResourceManager at /0.0.0.0:8032
2020-12-16 16:17:47,293 WARN mapreduce.JobResourceUploader: Hadoop command-line option parsing not performed. Implement the Tool interface and execute your application
with ToolRunner to remedy this.
2020-12-16 16:17:47,422 INFO mapreduce.JobResourceUploader: Disabling Erasure Coding for path: /tmp/hadoop-yarn/staging/VINOD/.staging/job_1608114850843_0001
2020-12-16 16:17:48,349 INFO input.FileInputFormat: Total input files to process : 1
2020-12-16 16:17:49,000 INFO mapreduce.JobSubmitter: number of splits:1
2020-12-16 16:17:49,168 INFO Configuration.deprecation: yarn.resourcemanager.system-metrics-publisher.enabled is deprecated. Instead, use yarn.system-metrics-publisher.
enabled
2020-12-16 16:17:49,781 INFO mapreduce.JobSubmitter: Submitting tokens for job: job_1608114850843_0001
2020-12-16 16:17:49,785 INFO mapreduce.JobSubmitter: Executing with tokens: []
2020-12-16 16:17:50,931 INFO conf.Configuration: resource-types.xml not found
2020-12-16 16:17:50,948 INFO resource.ResourceUtils: Unable to find 'resource-types.xml'.
2020-12-16 16:17:52,301 INFO impl.YarnClientImpl: Submitted application application_1608114850843_0001
2020-12-16 16:17:52,475 INFO mapreduce.Job: The url to track the job: http://DESKTOP-NNVEQ5P:8088/proxy/application_1608114850843_0001/
2020-12-16 16:17:52,478 INFO mapreduce.Job: Running job: job_1608114850843_0001
2020-12-16 16:19:04,567 INFO mapreduce.Job: Job job_1608114850843_0001 running in uber mode : false
2020-12-16 16:19:04,719 INFO mapreduce.Job:  map 0% reduce 0%
2020-12-16 16:19:34,962 INFO mapreduce.Job:  map 100% reduce 0%
2020-12-16 16:20:05,694 INFO mapreduce.Job:  map 100% reduce 100%
2020-12-16 16:20:24,870 INFO mapreduce.Job: Job job_1608114850843_0001 completed successfully
2020-12-16 16:20:25,251 INFO mapreduce.Job: Counters: 53
        File System Counters
                FILE: Number of bytes read=72210
                FILE: Number of bytes written=559331
                FILE: Number of read operations=0
                FILE: Number of large read operations=0
                FILE: Number of write operations=0
                HDFS: Number of bytes read=888296
                HDFS: Number of bytes written=8
                HDFS: Number of read operations=8
                HDFS: Number of large read operations=0
                HDFS: Number of write operations=2
        Job Counters
                Launched map tasks=1
                Launched reduce tasks=1
                Data-local map tasks=1
                Total time spent by all maps in occupied slots (ms)=23599
                Total time spent by all reduces in occupied slots (ms)=26783
                Total time spent by all map tasks (ms)=23599
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                Total megabyte-milliseconds taken by all reduce tasks=27425792
        Map-Reduce Framework
                Map input records=6565
                Map output records=6564
                Map output bytes=59076
                Map output materialized bytes=72210
                Input split bytes=106
                Combine input records=0
                Combine output records=0
                Reduce input groups=1
                Reduce shuffle bytes=72210
                Reduce input records=6564
                Reduce output records=1
                Spilled Records=13128
                Shuffled Maps =1
                Failed Shuffles=0
                Merged Map outputs=1
                GC time elapsed (ms)=349
                CPU time spent (ms)=4651
                Physical memory (bytes) snapshot=477446144
                Virtual memory (bytes) snapshot=655536128
                Total committed heap usage (bytes)=358088704
                Peak Map Physical memory (bytes)=282361856
                Peak Map Virtual memory (bytes)=376946688
                Peak Reduce Physical memory (bytes)=195084288
                Peak Reduce Virtual memory (bytes)=278589440
        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=888190
        File Output Format Counters
                Bytes Written=8
```

```
C:\hadoop-3.0.0\sbin>hadoop dfs -cat /output_dir_avg_prg/*
DEPRECATED: Use of this script to execute hdfs command is deprecated.
Instead use the hdfs command for it.
1901     46
```