BDA LAB HADOOP PROGRAM-WORD COUNT

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hduser@ubuntu: ~
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hduser@ubuntu:~$ start-all.sh
This script is Deprecated. Instead use start-dfs.sh and start-yarn.sh
WARNING: An illegal reflective access operation has occurred
WARNING: Illegal reflective access by org.apache.hadoop.security.authentication.util.KerberosUtil (file:/usr/local/hadoop/share/hadoop/common/lib/hadoop-auth-2.6.0.jar) to method sun.security.krb5.Config.
getInstance()
WARNING: Please consider reporting this to the maintainers of org.apache.hadoop.security.authentication.util.KerberosUtil
WARNING: Use --illegal-access=warn to enable warnings of further illegal reflective access operations
WARNING: All illegal access operations will be denied in a future release
20/12/08 23:29:35 WARN util.NativeCodeLoader: Unable to load native-hadoop library for your platform... using builtin-java classes where applicable
Starting namenodes on [localhost]
localhost: starting namenode, logging to /usr/local/hadoop/logs/hadoop-hduser-namenode-ubuntu.out
localhost: starting datanode, logging to /usr/local/hadoop/logs/hadoop-hduser-datanode-ubuntu.out
Starting secondary namenodes [0.0.0.0]
0.0.0.0: starting secondarynamenode, logging to /usr/local/hadoop/logs/hadoop-hduser-secondarynamenode-ubuntu.out
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20/12/08 23:30:31 WARN util.NativeCodeLoader: Unable to load native-hadoop library for your platform... using builtin-java classes where applicable
starting yarn daemons
starting resourcemanager, logging to /usr/local/hadoop/logs/yarn-hduser-resourcemanager-ubuntu.out
localhost: starting nodemanager, logging to /usr/local/hadoop/logs/yarn-hduser-nodemanager-ubuntu.out
hduser@ubuntu:~$ jps
3745 Jps
2949 SecondaryNameNode
3350 NodeManager
2520 NameNode
2681 DataNode
3194 ResourceManager
hduser@ubuntu:~$ cd $HADOOP_HOME
hduser@ubuntu:~$ hadoop fs -mkdir /input
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20/12/08 23:35:39 WARN util.NativeCodeLoader: Unable to load native-hadoop library for your platform... using builtin-java classes where applicable
hduser@ubuntu:~$ hadoop fs -copyFromLocal /home/hduser/Desktop/file1.txt /input/test.txt
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20/12/08 23:37:10 WARN util.NativeCodeLoader: Unable to load native-hadoop library for your platform... using builtin-java classes where applicable
hduser@ubuntu:~$ hadoop jar /home/hduser/Desktop/wordcount.jar WordCount /input/test.txt /input/output/
WARNING: An illegal reflective access operation has occurred
WARNING: Illegal reflective access by org.apache.hadoop.security.authentication.util.KerberosUtil (file:/usr/local/hadoop/share/hadoop/common/lib/hadoop-auth-2.6.0.jar) to method sun.security.krb5.Config.
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hduser@ubuntu:~$ hadoop jar /home/hduser/Desktop/wordcount.jar WordCount /input/test.txt /input/output/
WARNING: An illegal reflective access operation has occurred
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20/12/08 23:37:53 WARN util.NativeCodeLoader: Unable to load native-hadoop library for your platform... using builtin-java classes where applicable
20/12/08 23:37:55 INFO Configuration.deprecation: session.id is deprecated. Instead, use dfs.metrics.session-id
20/12/08 23:37:55 INFO jvm.JvmMetrics: Initializing JVM Metrics with processName=JobTracker, sessionId=
20/12/08 23:37:56 INFO input.FileInputFormat: Total input paths to process : 1
20/12/08 23:37:57 INFO mapreduce.JobSubmitter: number of splits:1
20/12/08 23:37:57 INFO mapreduce.JobSubmitter: Submitting tokens for job: job_local2091817823_0001
20/12/08 23:37:58 INFO mapreduce.Job: The url to track the job: http://localhost:8080/
20/12/08 23:37:58 INFO mapreduce.Job: Running job: job_local2091817823_0001
20/12/08 23:37:58 INFO mapred.LocalJobRunner: OutputCommitter set in config null
20/12/08 23:37:58 INFO mapred.LocalJobRunner: OutputCommitter is org.apache.hadoop.mapreduce.lib.output.FileOutputCommitter
20/12/08 23:37:58 INFO mapred.LocalJobRunner: Waiting for map tasks
20/12/08 23:37:58 INFO mapred.LocalJobRunner: Starting task: attempt_local2091817823_0001_m_000000_0
20/12/08 23:37:58 INFO mapred.Task:  Using ResourceCalculatorProcessTree : [ ]
20/12/08 23:37:58 INFO mapred.MapTask: Processing split: hdfs://localhost:54310/input/test.txt:0+89
20/12/08 23:37:59 INFO mapreduce.Job: Job job_local2091817823_0001 running in uber mode : false
20/12/08 23:37:59 INFO mapred.MapTask: (EQUATOR) 0 kvi 26214396(104857584)
20/12/08 23:37:59 INFO mapreduce.Job:  map 0% reduce 0%
20/12/08 23:37:59 INFO mapred.MapTask: mapreduce.task.io.sort.mb: 100
20/12/08 23:37:59 INFO mapred.MapTask: soft limit at 83886080
20/12/08 23:37:59 INFO mapred.MapTask: bufstart = 0; bufvoid = 104857600
20/12/08 23:37:59 INFO mapred.MapTask: kvstart = 26214396; length = 6553600
20/12/08 23:37:59 INFO mapred.MapTask: Map output collector class = org.apache.hadoop.mapred.MapTask$MapOutputBuffer
20/12/08 23:38:00 INFO mapred.LocalJobRunner:
20/12/08 23:38:00 INFO mapred.MapTask: Starting flush of map output
20/12/08 23:38:00 INFO mapred.MapTask: Spilling map output
20/12/08 23:38:00 INFO mapred.MapTask: bufstart = 0; bufend = 169; bufvoid = 104857600
20/12/08 23:38:00 INFO mapred.MapTask: kvstart = 26214396(104857584); kvend = 26214320(104857280); length = 77/6553600
20/12/08 23:38:00 INFO mapred.MapTask: Finished spill 0
20/12/08 23:38:00 INFO mapred.Task: Task:attempt_local2091817823_0001_m_000000_0 is done. And is in the process of committing
20/12/08 23:38:00 INFO mapred.LocalJobRunner: map
20/12/08 23:38:00 INFO mapred.Task: Task 'attempt_local2091817823_0001_m_000000_0' done.
20/12/08 23:38:00 INFO mapred.LocalJobRunner: Finishing task: attempt_local2091817823_0001_m_000000_0
20/12/08 23:38:00 INFO mapred.LocalJobRunner: map task executor complete.
20/12/08 23:38:00 INFO mapred.LocalJobRunner: Waiting for reduce tasks
20/12/08 23:38:00 INFO mapred.LocalJobRunner: Starting task: attempt_local2091817823_0001_r_000000_0
20/12/08 23:38:00 INFO mapred.Task:  Using ResourceCalculatorProcessTree : [ ]
20/12/08 23:38:00 INFO mapred.ReduceTask: Using ShuffleConsumerPlugin: org.apache.hadoop.mapreduce.task.reduce.Shuffle@2952889a
20/12/08 23:38:00 INFO reduce.MergeManagerImpl: MergerManager: memoryLimit=375809632, maxSingleShuffleLimit=93952408, mergeThreshold=248034368, ioSortFactor=10, memToMemMergeOutputsThreshold=10
20/12/08 23:38:00 INFO reduce.EventFetcher: attempt_local2091817823_0001_r_000000_0 Thread started: EventFetcher for fetching Map Completion Events
20/12/08 23:38:00 INFO mapreduce.Job:  map 100% reduce 0%
20/12/08 23:38:00 INFO reduce.LocalFetcher: localfetcher#1 about to shuffle output of map attempt_local2091817823_0001_m_000000_0 decomp: 111 len: 115 to MEMORY
20/12/08 23:38:00 INFO reduce.InMemoryMapOutput: Read 111 bytes from map-output for attempt_local2091817823_0001_m_000000_0
20/12/08 23:38:00 INFO reduce.MergeManagerImpl: closeInMemoryFile -> map-output of size: 111, inMemoryMapOutputs.size() -> 1, commitMemory -> 0, usedMemory ->111
20/12/08 23:38:01 INFO reduce.EventFetcher: EventFetcher is interrupted.. Returning
20/12/08 23:38:01 INFO mapred.LocalJobRunner: 1 / 1 copied.
20/12/08 23:38:01 INFO reduce.MergeManagerImpl: finalMerge called with 1 in-memory map-outputs and 0 on-disk map-outputs
20/12/08 23:38:01 INFO mapred.Merger: Merging 1 sorted segments
20/12/08 23:38:01 INFO mapred.Merger: Down to the last merge-pass, with 1 segments left of total size: 105 bytes
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                HDFS: Number of bytes written=69
                HDFS: Number of read operations=13
                HDFS: Number of large read operations=0
                HDFS: Number of write operations=4
        Map-Reduce Framework
                Map input records=6
                Map output records=20
                Map output bytes=169
                Map output materialized bytes=115
                Input split bytes=102
                Combine input records=20
                Combine output records=10
                Reduce input groups=10
                Reduce shuffle bytes=115
                Reduce input records=10
                Reduce output records=10
                Spilled Records=20
                Shuffled Maps =1
                Failed Shuffles=0
                Merged Map outputs=1
                GC time elapsed (ms)=47
                CPU time spent (ms)=0
                Physical memory (bytes) snapshot=0
                Virtual memory (bytes) snapshot=0
                Total committed heap usage (bytes)=333447168
        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=89
        File Output Format Counters
                Bytes Written=69
hduser@ubuntu:~$ hadoop fs -cat /input/output/part-r-00000
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are     1
brother 1
family  1
hi      1
how     5
is      4
job     1
sister  1
you     1
your    4
hduser@ubuntu:~$
```