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hduser@ubuntu: /usr/local/hadoop
File Edit View Search Terminal Help
varshitha@ubuntu:~$ su hduser
Password:
hduser@ubuntu:/home/varshitha$ cd /
hduser@ubuntu:/usr/local/hadoop/sbin$ ./start-dfs.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
20/12/13 08:11:00 WARN util.NativeCodeLoader: Unable to load native-hadoop library for your platform... using builtin-java classes where applicable
Starting namenodes on [localhost]
hduser@localhost's password:
localhost: starting namenode, logging to /usr/local/hadoop/logs/hadoop-hduser-namenode-ubuntu.out
hduser@localhost's password:
localhost: starting datanode, logging to /usr/local/hadoop/logs/hadoop-hduser-datanode-ubuntu.out
Starting secondary namenodes [0.0.0.0]
hduser@0.0.0.0's password:
0.0.0.0: starting secondarynamenode, logging to /usr/local/hadoop/logs/hadoop-hduser-secondarynamenode-ubuntu.out
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
20/12/13 08:11:40 WARN util.NativeCodeLoader: Unable to load native-hadoop library for your platform... using builtin-java classes where applicable
hduser@ubuntu:/usr/local/hadoop/sbin$ ./start-yarn.sh
starting yarn daemons
starting resourcemanager, logging to /usr/local/hadoop/logs/yarn-hduser-resourcemanager-ubuntu.out
hduser@localhost's password:
localhost: starting nodemanager, logging to /usr/local/hadoop/logs/yarn-hduser-nodemanager-ubuntu.out
hduser@ubuntu:/usr/local/hadoop/sbin$ jps
4016 Jps
3443 SecondaryNameNode
3191 DataNode
3961 NodeManager
3034 NameNode
3611 ResourceManager
hduser@ubuntu:/usr/local/hadoop/sbin$ cd ..
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hduser@ubuntu: /usr/local/hadoop
File Edit View Search Terminal Help
l/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
20/12/13 08:11:40 WARN util.NativeCodeLoader: Unable to load native-hadoop library for your platform... using builtin-java classes where applicable
hduser@ubuntu:/usr/local/hadoop/sbin$ ./start-yarn.sh
starting yarn daemons
starting resourcemanager, logging to /usr/local/hadoop/logs/yarn-hduser-resourcemanager-ubuntu.out
hduser@localhost's password:
localhost: starting nodemanager, logging to /usr/local/hadoop/logs/yarn-hduser-nodemanager-ubuntu.out
hduser@ubuntu:/usr/local/hadoop/sbin$ jps
4016 Jps
3443 SecondaryNameNode
3191 DataNode
3961 NodeManager
3034 NameNode
3611 ResourceManager
hduser@ubuntu:/usr/local/hadoop/sbin$ cd ..
```

```
hduser@ubuntu: /usr/local/hadoop
File Edit View Search Terminal Help
-ls/: Unknown command
hduser@ubuntu:/usr/local/hadoop$ hadoop fs -ls /
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
20/12/13 08:14:10 WARN util.NativeCodeLoader: Unable to load native-hadoop library for your platform... using builtin-java classes where applicable
Found 1 items
drwxr-xr-x - hduser supergroup 0 2020-12-08 02:16 /rgs1
hduser@ubuntu:/usr/local/hadoop$ hadoop fs -copyFromLocal /home/varshitha/Desktop/file1.txt /rgs1/test.txt
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
20/12/13 08:15:35 WARN util.NativeCodeLoader: Unable to load native-hadoop library for your platform... using builtin-java classes where applicable
copyFromLocal: '/rgs1/test.txt': File exists
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hduser@ubuntu: /usr/local/hadoop
File Edit View Search Terminal Help
hduser@ubuntu: /usr/local/hadoop$ ls
bin  include  libexec  logs  README.txt  share
etc  lib      LICENSE.txt  NOTICE.txt  sbin
hduser@ubuntu: /usr/local/hadoop$ hadoop jar /home/varshitha/Desktop/hadoop-WordCount-Screenshots/hadoop-WordCount-
Screenshots/wordcount.jar WordCount /rgs1/test.txt /rgs1/output/
WARNING: An illegal reflective access operation has occurred
WARNING: Illegal reflective access by org.apache.hadoop.security.authentication.util.KerberosUtil (file:/usr/loca
l/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.Kerb
erosUtil
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
20/12/13 08:21:03 WARN util.NativeCodeLoader: Unable to load native-hadoop library for your platform... using bui
ltn-java classes where applicable
20/12/13 08:21:04 INFO Configuration.deprecation: session.id is deprecated. Instead, use dfs.metrics.session-id
20/12/13 08:21:04 INFO jvm.JvmMetrics: Initializing JVM Metrics with processName=JobTracker, sessionId=
20/12/13 08:21:05 INFO input.FileInputFormat: Total input paths to process : 1
20/12/13 08:21:05 INFO mapreduce.JobSubmitter: number of splits:1
20/12/13 08:21:06 INFO mapreduce.JobSubmitter: Submitting tokens for job: job_local867360169_0001
20/12/13 08:21:06 INFO mapreduce.Job: The url to track the job: http://localhost:8080/
20/12/13 08:21:06 INFO mapreduce.Job: Running job: job_local867360169_0001
20/12/13 08:21:06 INFO mapred.LocalJobRunner: OutputCommitter set in config null
20/12/13 08:21:06 INFO mapred.LocalJobRunner: OutputCommitter is org.apache.hadoop.mapreduce.lib.output.FileOutput
tCommitter
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hduser@ubuntu: /usr/local/hadoop
File Edit View Search Terminal Help
20/12/13 08:21:07 INFO mapred.LocalJobRunner: Waiting for map tasks
20/12/13 08:21:07 INFO mapred.LocalJobRunner: Starting task: attempt_local867360169_0001_m_000000_0
20/12/13 08:21:07 INFO mapred.Task: Using ResourceCalculatorProcessTree : [ ]
20/12/13 08:21:07 INFO mapred.MapTask: Processing split: hdfs://localhost:54310/rgs1/test.txt:0+89
20/12/13 08:21:07 INFO mapred.MapTask: (EQUATOR) 0 kvi 26214396(104857584)
20/12/13 08:21:07 INFO mapred.MapTask: mapreduce.task.io.sort.mb: 100
20/12/13 08:21:07 INFO mapred.MapTask: soft limit at 83886080
20/12/13 08:21:07 INFO mapred.MapTask: bufstart = 0; bufvoid = 104857600
20/12/13 08:21:07 INFO mapred.MapTask: kvstart = 26214396; length = 6553600
20/12/13 08:21:07 INFO mapreduce.Job: Job job_local867360169_0001 running in uber mode : false
20/12/13 08:21:07 INFO mapred.MapTask: Map output collector class = org.apache.hadoop.mapred.MapTask$MapOutputBuf
fer
20/12/13 08:21:07 INFO mapreduce.Job: map 0% reduce 0%
20/12/13 08:21:08 INFO mapred.LocalJobRunner:
20/12/13 08:21:08 INFO mapred.MapTask: Starting flush of map output
20/12/13 08:21:08 INFO mapred.MapTask: Spilling map output
20/12/13 08:21:08 INFO mapred.MapTask: bufstart = 0; bufend = 169; bufvoid = 104857600
20/12/13 08:21:08 INFO mapred.MapTask: kvstart = 26214396(104857584); kvend = 26214320(104857280); length = 77/65
53600
20/12/13 08:21:08 INFO mapred.MapTask: Finished spill 0
20/12/13 08:21:08 INFO mapred.Task: Task:attempt_local867360169_0001_m_000000_0 is done. And is in the process of
committing
20/12/13 08:21:08 INFO mapred.LocalJobRunner: map
20/12/13 08:21:08 INFO mapred.Task: Task 'attempt_local867360169_0001_m_000000_0' done.
```

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hduser@ubuntu: /usr/local/hadoop
File Edit View Search Terminal Help
20/12/13 08:21:08 INFO mapred.LocalJobRunner: Finishing task: attempt_local867360169_0001_m_000000_0
20/12/13 08:21:08 INFO mapred.LocalJobRunner: map task executor complete.
20/12/13 08:21:08 INFO mapred.LocalJobRunner: Waiting for reduce tasks
20/12/13 08:21:08 INFO mapred.LocalJobRunner: Starting task: attempt_local867360169_0001_r_000000_0
20/12/13 08:21:09 INFO mapred.Task: Using ResourceCalculatorProcessTree : [ ]
20/12/13 08:21:09 INFO mapred.ReduceTask: Using ShuffleConsumerPlugin: org.apache.hadoop.mapreduce.task.reduce.Sh
uffle@3db1a303
20/12/13 08:21:09 INFO reduce.MergeManagerImpl: MergerManager: memoryLimit=375809632, maxSingleShuffleLimit=93952
408, mergeThreshold=248034368, ioSortFactor=10, memToMemMergeOutputsThreshold=10
20/12/13 08:21:09 INFO reduce.EventFetcher: attempt_local867360169_0001_r_000000_0 Thread started: EventFetcher f
or fetching Map Completion Events
20/12/13 08:21:09 INFO reduce.LocalFetcher: localfetcher#1 about to shuffle output of map attempt_local867360169_
0001_m_000000_0 decomp: 111 len: 115 to MEMORY
20/12/13 08:21:09 INFO reduce.InMemoryMapOutput: Read 111 bytes from map-output for attempt_local867360169_0001_m
_000000_0
20/12/13 08:21:09 INFO reduce.MergeManagerImpl: closeInMemoryFile -> map-output of size: 111, inMemoryMapOutputs.
size() -> 1, commitMemory -> 0, usedMemory ->111
20/12/13 08:21:09 INFO reduce.EventFetcher: EventFetcher is interrupted.. Returning
20/12/13 08:21:09 INFO mapred.LocalJobRunner: 1 / 1 copied.
20/12/13 08:21:09 INFO reduce.MergeManagerImpl: finalMerge called with 1 in-memory map-outputs and 0 on-disk map-
outputs
20/12/13 08:21:09 INFO mapred.Merger: Merging 1 sorted segments
20/12/13 08:21:09 INFO mapred.Merger: Down to the last merge-pass, with 1 segments left of total size: 105 bytes
20/12/13 08:21:09 INFO reduce.MergeManagerImpl: Merged 1 segments, 111 bytes to disk to satisfy reduce memory lim
```

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hduser@ubuntu: /usr/local/hadoop
File Edit View Search Terminal Help
20/12/13 08:21:10 INFO mapred.Task: Task attempt_local867360169_0001_r_000000_0 is allowed to commit now
20/12/13 08:21:10 INFO output.FileOutputCommitter: Saved output of task 'attempt_local867360169_0001_r_000000_0'
to hdfs://localhost:54310/rgs1/output/_temporary/0/task_local867360169_0001_r_000000
20/12/13 08:21:10 INFO mapred.LocalJobRunner: reduce > reduce
20/12/13 08:21:10 INFO mapred.Task: Task 'attempt_local867360169_0001_r_000000_0' done.
20/12/13 08:21:10 INFO mapred.LocalJobRunner: Finishing task: attempt_local867360169_0001_r_000000_0
20/12/13 08:21:10 INFO mapred.LocalJobRunner: reduce task executor complete.
20/12/13 08:21:10 INFO mapreduce.Job: map 100% reduce 100%
20/12/13 08:21:11 INFO mapreduce.Job: Job job_local867360169_0001 completed successfully
20/12/13 08:21:12 INFO mapreduce.Job: Counters: 38
File System Counters
  FILE: Number of bytes read=6962
  FILE: Number of bytes written=505935
  FILE: Number of read operations=0
  FILE: Number of large read operations=0
  FILE: Number of write operations=0
  HDFS: Number of bytes read=178
  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=5
  Map output records=20
```

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hduser@ubuntu: /usr/local/hadoop
File Edit View Search Terminal Help
  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)=89
  CPU time spent (ms)=0
  Physical memory (bytes) snapshot=0
  Virtual memory (bytes) snapshot=0
  Total committed heap usage (bytes)=335544320
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
```

```
hduser@ubuntu: /usr/local/hadoop
File Edit View Search Terminal Help
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:/usr/local/hadoop$ hadoop fs -ls /rgs1
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
20/12/13 08:21:37 WARN util.NativeCodeLoader: Unable to load native-hadoop library for your platform... using builtin-java classes where applicable
Found 2 items
drwxr-xr-x - hduser supergroup          0 2020-12-13 08:21 /rgs1/output
-rw-r--r-- 1 hduser supergroup        89 2020-12-08 02:16 /rgs1/test.txt
```



```
hduser@ubuntu: /usr/local/hadoop
File Edit View Search Terminal Help
ltin-java classes where applicable
cat: '/output/part': No such file or directory
hduser@ubuntu:/usr/local/hadoop$ hadoop fs -ls /rgs1/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.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
20/12/13 08:23:58 WARN util.NativeCodeLoader: Unable to load native-hadoop library for your platform... using builtin-java classes where applicable
Found 2 items
-rw-r--r-- 1 hduser supergroup 0 2020-12-13 08:21 /rgs1/output/_SUCCESS
-rw-r--r-- 1 hduser supergroup 69 2020-12-13 08:21 /rgs1/output/part-r-00000
```

```
hduser@ubuntu: /usr/local/hadoop
File Edit View Search Terminal Help
ltin-java classes where applicable
cat: 'rgs1/output/part-r-00000': No such file or directory
hduser@ubuntu:/usr/local/hadoop$ hadoop fs -cat /rgs1/output/part-r-00000
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
20/12/13 08:25:14 WARN util.NativeCodeLoader: Unable to load native-hadoop library for your platform... using builtin-java classes where applicable
are 1
brother 1
family 1
hi 1
how 5
is 4
job 1
sister 1
you 1
your 4
hduser@ubuntu:/usr/local/hadoop$ hadoop fs -ls /out/
WARNING: An illegal reflective access operation has occurred
```