

# Lab 3 Spark,

By:

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<b>Khalil Ismail</b>	<b>23</b>

**Screen Shots:**

The screenshot shows a presentation slide titled "Word Count" with the following content:

Now, you will create the Word Count application and run it as a Spark job on some files on HDFS.

- You can download the code for WordCount example from [here](#).
- Extract the downloaded zip and make it your current directory.
- Compile the code using `mvn clean compile`.
- Create a HDFS input file and upload it to HDFS using `hadoop fs -put input.txt hdfs://<HDFS_URI>/input.txt`.
- You are ready to run the WordCount application using `java -jar wordcount.jar hdfs://<HDFS_URI>/input.txt`.
- Copy the output to the local filesystem using `hadoop fs -get hdfs://<HDFS_URI>/output.txt .`

Notes

- You can work in groups of 2 or 3.

Good Luck

A terminal window is overlaid on the slide, showing the following commands and output:

```
said@said:~$ spark-shell
scala>
scala>
scala>
```

Applications Places System 66% 40 B/s 56 B/s Terminal File Edit View Search Terminal Help 13°C en 8:42, 22 مار 2020

lap3

Previous Next 2 (2 of 2) 200%

Departement Due: 20/03/2020

Word

Now,

HDFS

```
said@said:~  
sai@said:~$ spark-shell  
20/03/22 08:41:57 WARN Utils: Your hostname, said resolves to a loopback address: 127.0.1.1; using 192.168.1.2 instead (on interface wlp3s0)  
20/03/22 08:41:57 WARN Utils: Set SPARK_LOCAL_IP if you need to bind to another address  
20/03/22 08:41:58 WARN NativeCodeLoader: Unable to load native-hadoop library for your platform... using builtin-java classes where applicable  
Using Spark's default log4j profile: org/apache/spark/log4j-defaults.properties  
Setting default log level to "WARN".  
To adjust logging level use sc.setLogLevel(newLevel). For SparkR, use setLogLevel(newLevel).  
Spark context Web UI available at http://192.168.1.2:4040  
Spark context available as 'sc' (master = local[*], app id = local-1584859328880).  
Spark session available as 'spark'.  
Welcome to  
Databricks version 3.0.0-preview2  
Using Scala version 2.12.10 (OpenJDK 64-Bit Server VM, Java 1.8.0_242)  
Type in expressions to have them evaluated.  
Type :help for more information.  
scala>
```

Notes

- You can work in groups of 2 or 3.

Good Luck

[sai@said: ~/Desktop/... [IMP Hadoop] [Apache Hadoop 3.2.1... lap3 sai@said: ~]

Applications Places System 80% 94 B/s 117 B/s Terminal File Edit View Search Terminal Tabs Help 13°C en 8:42, 22 مار 2020

lap3

Previous Next 2 (2 of 2) 200%

Departement Due: 20/03/2020

Word

Now,

HDFS

```
said@said:~/Desktop/hadoop-2.10.0  
sai@said: ~  
sai@said:~/Desktop/hadoop-2.10.0
```

Notes

- You can work in groups of 2 or 3.

Good Luck

[sai@said: ~/Desktop/... [IMP Hadoop] [Apache Hadoop 3.2.1... lap3 sai@said: ~/Desktop/...]

Applications Places System 54% 40 B/s 56 B/s Terminal File Edit View Search Terminal Tabs Help 13°C 8:43, 22 مار 2020

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hadoop.apache.org/docs/stable/hadoop-project-dist/hadoop-common/SingleCluster.html

Free Java Project ... said@said: ~/Desktop/hadoop-2.10.0

Java API docs  
Unix Shell API  
Metrics

Configuration  
core-default.xml  
hdfs-default.xml  
hdfs-rbf-default.xml  
mapred-default.xml  
yarn-default.xml  
Deprecated Properties

Built by **maven**

SSH Location

If you cannot ssh to local

\$ ssh-keygen  
\$ cat ~/.ssh/  
\$ chmod 0600

Execution

The following instructions

1. Format the filesystem
2. Start NameNode
3. Browse the web interface
4. Make the HDFS
5. Copy the input file
6. Run some of the examples provided:

\$ bin/hd  
\$ sbin/s  
The hadoop daem  
NameNode  
\$ bin/hd  
\$ bin/hd  
\$ bin/hdfs dfs -mkdir input  
\$ bin/hdfs dfs -put etc/hadoop/\*.xml input  
\$ bin/hadoop jar share/hadoop/mapreduce/hadoop-mapreduce-examples-3.2.1.jar grep input output 'dfs[a-z.]+'

[IMP Hadoop] Apache Hadoop 3.2.1 - ... lap3 said@said: ~/Desktop/...

Applications Places System 69% 0 B/s 0 B/s Terminal File Edit View Search Terminal Tabs Help 13°C 8:43, 22 مار 2020

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hadoop.apache.org/docs/stable/hadoop-project-dist/hadoop-common/SingleCluster.html

Free Java Project ... said@said: ~/Desktop/hadoop-2.10.0

Java API docs  
Unix Shell API  
Metrics

Configuration  
core-default.xml  
hdfs-default.xml  
hdfs-rbf-default.xml  
mapred-default.xml  
yarn-default.xml  
Deprecated Properties

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Execution

The following instructions

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\$ bin/hd  
\$ sbin/s  
The hadoop daem  
NameNode  
\$ bin/hd  
\$ bin/hd  
\$ bin/hdfs dfs -mkdir input  
\$ bin/hdfs dfs -put etc/hadoop/\*.xml input  
\$ bin/hadoop jar share/hadoop/mapreduce/hadoop-mapreduce-examples-3.2.1.jar grep input output 'dfs[a-z.]+'

20/03/22 08:43:10 INFO blockmanagement.BlockManager: minReplication = 1  
20/03/22 08:43:10 INFO blockmanagement.BlockManager: maxReplicationStreams = 2  
20/03/22 08:43:10 INFO blockmanagement.BlockManager: replicationRecheckInterval = 3000  
20/03/22 08:43:10 INFO blockmanagement.BlockManager: encryptDataTransfer = false  
20/03/22 08:43:10 INFO blockmanagement.BlockManager: maxNumBlocksToLog = 1000  
20/03/22 08:43:10 INFO namenode.FSNamesystem: Append Enabled: true  
20/03/22 08:43:10 INFO namenode.FSDirectory: GLOBAL serial map: bits=24 maxEntries=16777215  
20/03/22 08:43:10 INFO util.GSet: Computing capacity for map INodeMap  
20/03/22 08:43:10 INFO util.GSet: VM type = 64-bit  
20/03/22 08:43:10 INFO util.GSet: 1.0% max memory 889 MB = 8.9 MB  
20/03/22 08:43:10 INFO util.GSet: capacity = 2^20 = 1048576 entries  
20/03/22 08:43:10 INFO namenode.FSDirectory: ACLs enabled? false  
20/03/22 08:43:10 INFO namenode.FSDirectory: XAttrs enabled? true  
20/03/22 08:43:10 INFO namenode.NameNode: Caching file names occurring more than 10 times  
20/03/22 08:43:10 INFO snapshot.SnapshotManager: Loaded config captureOpenFiles: false skipCaptureAccessTimeOnlyChange: false  
20/03/22 08:43:10 INFO util.GSet: Computing capacity for map cachedBlocks  
20/03/22 08:43:10 INFO util.GSet: VM type = 64-bit  
20/03/22 08:43:10 INFO util.GSet: 0.25% max memory 889 MB = 2.2 MB  
20/03/22 08:43:10 INFO util.GSet: capacity = 2^18 = 262144 entries  
20/03/22 08:43:10 INFO metrics.TopMetrics: NNTop conf: dfs.namenode.top.window.num.buckets = 10  
20/03/22 08:43:10 INFO metrics.TopMetrics: NNTop conf: dfs.namenode.top.num.users = 10  
20/03/22 08:43:10 INFO metrics.TopMetrics: NNTop conf: dfs.namenode.top.windows.minutes = 1,5,25  
20/03/22 08:43:10 INFO namenode.FSNamesystem: Retry cache on namenode is enabled  
20/03/22 08:43:10 INFO namenode.FSNamesystem: Retry cache will use 0.03 of total heap and retry cache entry expiry time is 600000  
20/03/22 08:43:10 INFO util.GSet: Computing capacity for map NameNodeRetryCache  
20/03/22 08:43:10 INFO util.GSet: VM type = 64-bit  
20/03/22 08:43:10 INFO util.GSet: 0.029999999329447746% max memory 889 MB = 273.1 KB  
20/03/22 08:43:10 INFO util.GSet: capacity = 2^15 = 32768 entries  
20/03/22 08:43:10 INFO namenode.FSImage: Allocated new BlockPoolId: BP-963477597-127.0.1.1-1584659390293  
20/03/22 08:43:10 INFO common.Storage: Storage directory /tmp/hadoop-said/dfs/name has been successfully formatted.  
20/03/22 08:43:10 INFO namenode.FSImageFormatProtobuf: Saving image file /tmp/hadoop-said/dfs/name/current/fsimage.ckpt\_0000000000 using no compression  
20/03/22 08:43:10 INFO namenode.FSImageFormatProtobuf: Image file /tmp/hadoop-said/dfs/name/current/fsimage.ckpt\_0000000000000000 of size 323 bytes saved in 0 seconds  
20/03/22 08:43:10 INFO namenode.NNStorageRetentionManager: Going to retain 1 images with txid >= 0  
20/03/22 08:43:10 INFO namenode.FSImageSaver: clean checkpoint: txid = 0 when meet shutdown.  
20/03/22 08:43:10 INFO namenode.NameNode: SHUTDOWN\_MSG:  
/\*\*\*\*\*  
SHUTDOWN\_MSG: Shutting down NameNode at said/127.0.1.1  
\*\*\*\*\*  
said@said: ~/Desktop/hadoop-2.10.0\$





Applications Places System 24% 22 B/s 33 B/s Terminal File Edit View Search Terminal Tabs Help 13°C en 8:45, 22

localhost:50070/dfshealth.html#tab-overview

Mail - Mohamed Said x Mathematics for Mac x https://d3c3hcg1wex x Definition of a derivat x LinkedIn: Log in or Sig x New Tab x Apache Hadoop 3.2.1 x Namenode Informa...

Apps CSED 19 - Goo... Free Java Proj... Amazon Inhe... Thank you! M... SolverToBe... CSED 18 - Goo... Kickstart CSED 20 - Goo... An MS-DEB... In-Vi-sual... Schedule | Cod... GeeksforGeek...

Terminal

```
said@said: ~/Desktop/hadoop-2.10.0
said@said: ~/Desktop/hadoop-2.10.0$ sbin/start-dfs.sh
Starting namenodes on [localhost]
said@localhost's password:
localhost: starting namenode, logging to /home/said/Desktop/hadoop-2.10.0/logs/hadoop-said-namenode-said.out
said@localhost's password:
localhost: starting datanode, logging to /home/said/Desktop/hadoop-2.10.0/logs/hadoop-said-datanode-said.out
Starting secondary namenodes [0.0.0.0]
said@0.0.0.0's password:
0.0.0.0: Permission denied, please try again.
said@0.0.0.0's password:
0.0.0.0: Permission denied, please try again.
said@0.0.0.0's password:
said@said: ~/Desktop/hadoop-2.10.0$ 0.0.0.0: Permission denied (publickey,password).
said@said: ~/Desktop/hadoop-2.10.0$ bin/hdfs dfs -mkdir /user
```

DFS Remaining:	28.2 GB (19.84%)
Block Pool Used:	24 KB (0%)
DataNodes usages% (Min/Median/Max/stdDev):	0.00% / 0.00% / 0.00% / 0.00%
Live Nodes	1 (Decommissioned: 0, In Maintenance: 0)
Dead Nodes	0 (Decommissioned: 0, In Maintenance: 0)

[said@said: ~/Desktop/... [IMP Hadoop] Namenode Informa... [lap3] said@said: ~/Desktop/...

Applications Places System 65% 17 B/s 72 B/s Terminal File Edit View Search Terminal Tabs Help 13°C en 8:45, 22

localhost:50070/dfshealth.html#tab-overview

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Terminal

```
said@said: ~/Desktop/hadoop-2.10.0$ sbin/start-dfs.sh
Starting namenodes on [localhost]
said@localhost's password:
localhost: starting namenode, logging to /home/said/Desktop/hadoop-2.10.0/logs/hadoop-said-namenode-said.out
said@localhost's password:
localhost: starting datanode, logging to /home/said/Desktop/hadoop-2.10.0/logs/hadoop-said-datanode-said.out
Starting secondary namenodes [0.0.0.0]
said@0.0.0.0's password:
0.0.0.0: Permission denied, please try again.
said@0.0.0.0's password:
0.0.0.0: Permission denied, please try again.
said@0.0.0.0's password:
said@said: ~/Desktop/hadoop-2.10.0$ 0.0.0.0: Permission denied (publickey,password).
said@said: ~/Desktop/hadoop-2.10.0$ bin/hdfs dfs -mkdir /user
said@said: ~/Desktop/hadoop-2.10.0$ bin/hdfs dfs -mkdir /user/said
said@said: ~/Desktop/hadoop-2.10.0$ bin/hdfs dfs -copyFromLocal /home/said/Desktop/files2/ /user/said/
```

DFS Remaining:	28.2 GB (19.84%)
Block Pool Used:	24 KB (0%)
DataNodes usages% (Min/Median/Max/stdDev):	0.00% / 0.00% / 0.00% / 0.00%
Live Nodes	1 (Decommissioned: 0, In Maintenance: 0)
Dead Nodes	0 (Decommissioned: 0, In Maintenance: 0)

[said@said: ~/Desktop/... [IMP Hadoop] Namenode Informa... [lap3] said@said: ~/Desktop/...

Applications Places System 64% 0B/s 0B/s Terminal File Edit View Search Terminal Tabs Help 13°C 8:46, 22 مار 2020

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localhost:50070/dfshealth.html#tab-overview

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Terminal

```
said@said: ~/Desktop/WordCount/target
said@said: ~
said@said:~/Desktop/hadoop-2.10.0$ cd ..
said@said:~/Desktop$ cd WordCount/
said@said:~/Desktop/WordCount$ ls
pom.xml src target
said@said:~/Desktop/WordCount$ cd target/
said@said:~/Desktop/WordCount/target$ ls
classes lib naven-archiver wordcount-1.0.jar
said@said:~/Desktop/WordCount/target$
```

DFS Remaining: 28.2 GB (19.84%)

Block Pool Used: 24 KB (0%)

DataNodes usages% (Min/Median/Max/stdDev): 0.00% / 0.00% / 0.00% / 0.00%

Live Nodes 1 (Decommissioned: 0, In Maintenance: 0)

Dead Nodes 0 (Decommissioned: 0, In Maintenance: 0)

[said@said: ~/Desktop/... [IMP Hadoop] Namenode Informa... [lap3] said@said: ~/Desktop/...

Applications Places System 53% 50 B/s 42 B/s Terminal File Edit View Search Terminal Tabs Help 13°C 8:49, 22 مار 2020

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localhost:50070/explorer.html#/user/said/input

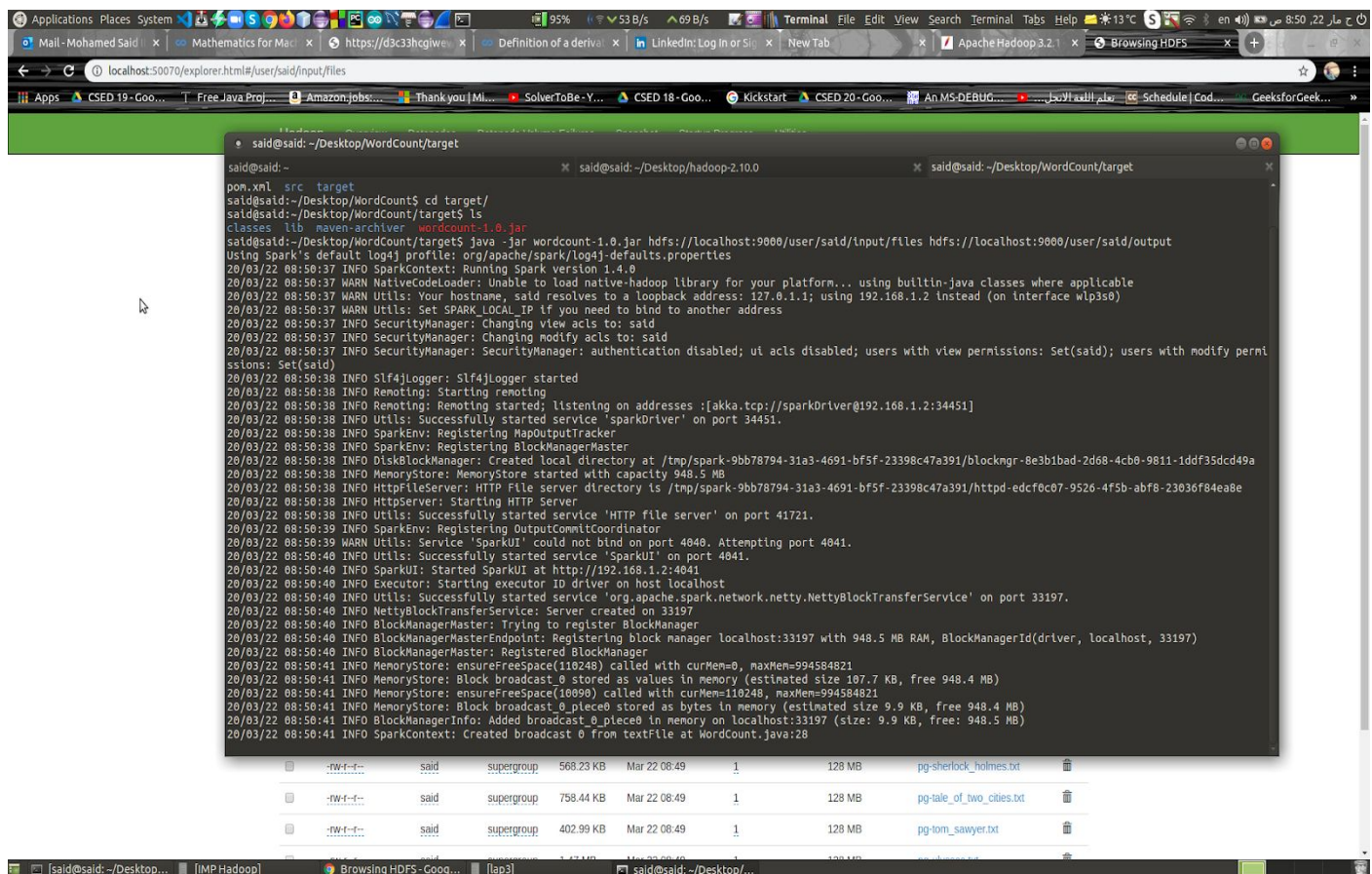
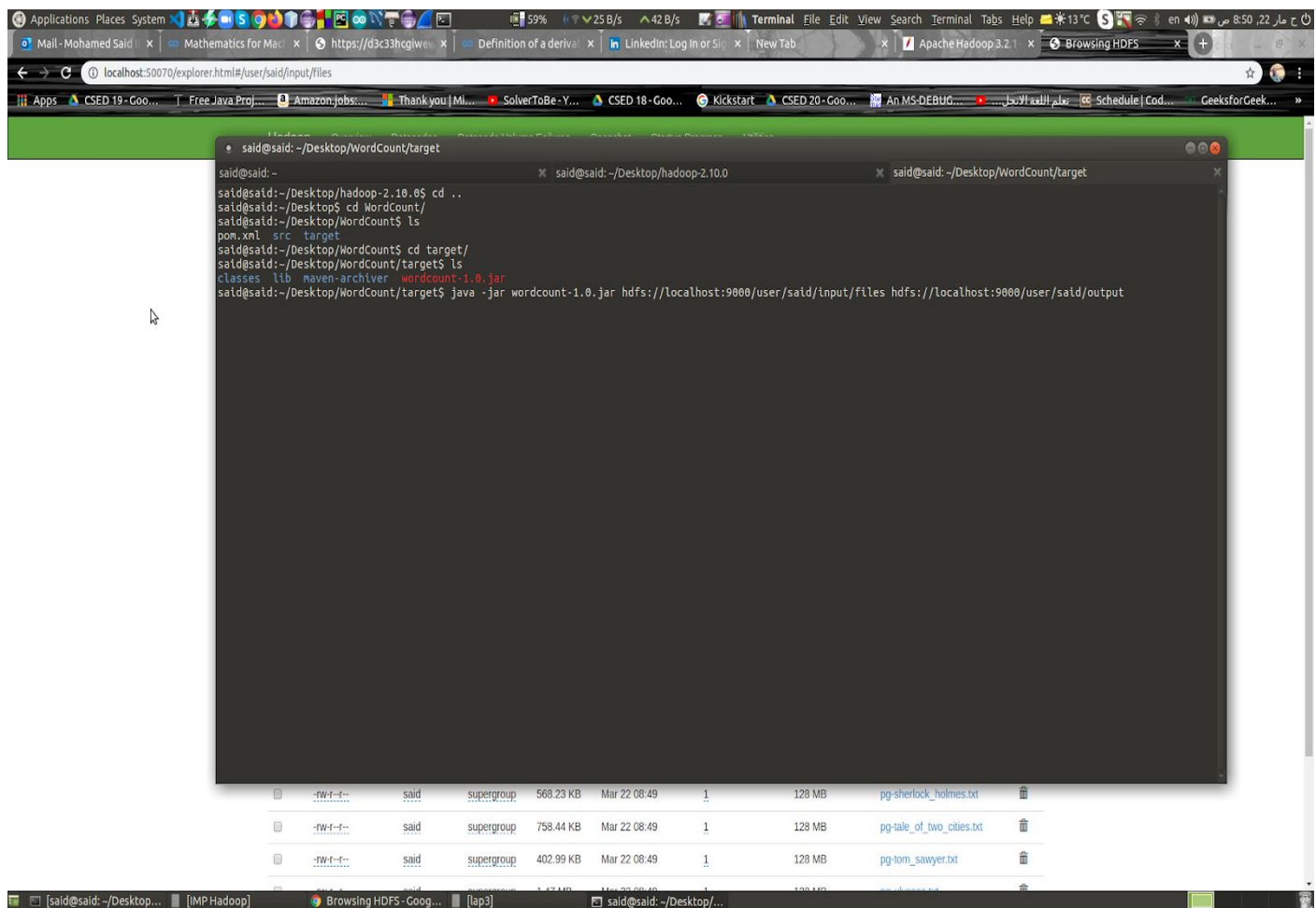
Apps CSED 19- Goo... Free Java Proj... Jammam-Inher... Thank you! M... SolverToBe... CSED 18- Goo... Kickstart... CSED 20- Goo... An MS-DOS... In-Vitro... Schedule | Cod... GeeksforGeek...

Terminal

```
said@said: ~/Desktop/hadoop-2.10.0
said@said: ~
said@said:~/Desktop/hadoop-2.10.0$ bin/start-dfs.sh
Starting namenodes on [localhost]
said@localhost's password:
localhost: starting namenode, logging to /home/said/Desktop/hadoop-2.10.0/logs/hadoop-said-namenode-said.out
said@localhost's password:
localhost: starting datanode, logging to /home/said/Desktop/hadoop-2.10.0/logs/hadoop-said-datanode-said.out
Starting secondary namenodes [0.0.0.0]
said@0.0.0.0's password:
0.0.0.0: Permission denied, please try again.
said@0.0.0.0's password:
0.0.0.0: Permission denied, please try again.
said@0.0.0.0's password:
said@0.0.0.0's password:
said@said:~/Desktop/hadoop-2.10.0$ 0.0.0.0: Permission denied (publickey,password).

said@said:~/Desktop/hadoop-2.10.0$ bin/hdfs dfs -mkdir /user
said@said:~/Desktop/hadoop-2.10.0$ bin/hdfs dfs -mkdir /user/said
said@said:~/Desktop/hadoop-2.10.0$ bin/hdfs dfs -copyFromLocal /home/said/Desktop/files2/ /user/said/
said@said:~/Desktop/hadoop-2.10.0$ bin/hdfs dfs -mkdir /user/said/input
said@said:~/Desktop/hadoop-2.10.0$ bin/hdfs dfs -copyFromLocal /home/said/Desktop/files/ /user/said/input
copyFromLocal: 'user/said/input': No such file or directory: 'hdfs://localhost:9000/user/said/user/said/input'
said@said:~/Desktop/hadoop-2.10.0$ bin/hdfs dfs -copyFromLocal /home/said/Desktop/files/ input
said@said:~/Desktop/hadoop-2.10.0$
```

[said@said: ~/Desktop/... [IMP Hadoop] Browsing HDFS - Goo... [lap3] said@said: ~/Desktop/...





Applications Places System 26% 0 B/s 0 B/s Terminal File Edit View Search Terminal Tabs Help 13°C en 8:50:22 م

Mail - Mohamed Said Mathematics for Mac https://d3c3hcgjwv... Definition of a deriva LinkedIn: Log in or Si New Tab Apache Hadoop 3.2.1 Browsing HDFS

localhost:50070/explorer.html#/user/said/input/files

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Terminal

```
said@said: ~/Desktop/WordCount/target
k 202003220850_0001_m_000013
20/03/22 08:50:48 INFO SparkHadoopMapRedUtil: attempt 202003220850_0001_m_000013_29: Committed
20/03/22 08:50:48 INFO Executor: Finished task 13.0 in stage 1.0 (TID 29): 886 bytes result sent to driver
20/03/22 08:50:48 INFO TaskSetManager: Starting task 14.0 in stage 1.0 (TID 30, localhost, PROCESS_LOCAL, 1165 bytes)
20/03/22 08:50:48 INFO TaskSetManager: Finished task 13.0 in stage 1.0 (TID 29) in 84 ms on localhost (14/16)
20/03/22 08:50:48 INFO Executor: Running task 14.0 in stage 1.0 (TID 30)
20/03/22 08:50:48 INFO ShuffleBlockFetcherIterator: Getting 16 non-empty blocks out of 16 blocks
20/03/22 08:50:48 INFO ShuffleBlockFetcherIterator: Started 0 remote fetches in 0 ms
20/03/22 08:50:48 INFO FileOutputCommitter: Saved output of task 'attempt 202003220850_0001_m_000014_30' to hdfs://localhost:9000/user/said/output/_temporary/0/tas
k 202003220850_0001_m_000014
20/03/22 08:50:48 INFO SparkHadoopMapRedUtil: attempt 202003220850_0001_m_000014_30: Committed
20/03/22 08:50:48 INFO Executor: Finished task 14.0 in stage 1.0 (TID 30): 886 bytes result sent to driver
20/03/22 08:50:48 INFO TaskSetManager: Starting task 15.0 in stage 1.0 (TID 31, localhost, PROCESS_LOCAL, 1165 bytes)
20/03/22 08:50:48 INFO TaskSetManager: Finished task 14.0 in stage 1.0 (TID 30) in 93 ms on localhost (15/16)
20/03/22 08:50:48 INFO Executor: Running task 15.0 in stage 1.0 (TID 31)
20/03/22 08:50:48 INFO ShuffleBlockFetcherIterator: Getting 16 non-empty blocks out of 16 blocks
20/03/22 08:50:48 INFO ShuffleBlockFetcherIterator: Started 0 remote fetches in 0 ms
20/03/22 08:50:48 INFO FileOutputCommitter: Saved output of task 'attempt 202003220850_0001_m_000015_31' to hdfs://localhost:9000/user/said/output/_temporary/0/tas
k 202003220850_0001_m_000015
20/03/22 08:50:48 INFO SparkHadoopMapRedUtil: attempt 202003220850_0001_m_000015_31: Committed
20/03/22 08:50:48 INFO Executor: Finished task 15.0 in stage 1.0 (TID 31): 886 bytes result sent to driver
20/03/22 08:50:48 INFO TaskSetManager: Finished task 15.0 in stage 1.0 (TID 31) in 91 ms on localhost (16/16)
20/03/22 08:50:48 INFO DAGScheduler: ResultsStage 1 (saveAsTextFile at WordCount.java:52) finished in 3.294 s
20/03/22 08:50:48 INFO TaskSchedulerImpl: Removed TaskSet 1.0, whose tasks have all completed, from pool
20/03/22 08:50:48 INFO DAGScheduler: Job 0 finished: saveAsTextFile at WordCount.java:52, took 6.396979 s
20/03/22 08:50:49 INFO SparkContext: Invoking stop() from shutdown hook
20/03/22 08:50:49 INFO SparkUI: Stopped Spark web UI at http://192.168.1.2:4041
20/03/22 08:50:49 INFO DAGScheduler: Stopping DAGScheduler
20/03/22 08:50:49 INFO MapOutputTrackerMasterEndpoint: MapOutputTrackerMasterEndpoint stopped!
20/03/22 08:50:49 INFO Utils: path = /tmp/spark-9bb78794-31a3-4691-bf5f-23398c47a391/blockmgr-8e3b1bad-2d68-4c6b-9811-1ddf35dcd49a, already present as root for del
etion.
20/03/22 08:50:49 INFO MemoryStore: MemoryStore cleared
20/03/22 08:50:49 INFO BlockManager: BlockManager stopped
20/03/22 08:50:49 INFO BlockManagerMaster: BlockManagerMaster stopped
20/03/22 08:50:49 INFO SparkContext: Successfully stopped SparkContext
20/03/22 08:50:49 INFO Utils: Shutdown hook called
20/03/22 08:50:49 INFO OutputCommitCoordinator$OutputCommitCoordinatorEndpoint: OutputCommitCoordinator stopped!
20/03/22 08:50:49 INFO Utils: Deleting directory /tmp/spark-9bb78794-31a3-4691-bf5f-23398c47a391
20/03/22 08:50:49 INFO RemoteActorRefProvider$RemotingTerminator: Shutting down remote daemon.
20/03/22 08:50:49 INFO RemoteActorRefProvider$RemotingTerminator: Remote daemon shut down; proceeding with flushing remote transports.
20/03/22 08:50:49 INFO RemoteActorRefProvider$RemotingTerminator: Remoting shut down.
said@said: ~/Desktop/WordCount/target$
```

~w-r--r-- said supergroup 568.23 KB Mar 22 08:49 1 128 MB pg-sherlock\_holmes.txt

~w-r--r-- said supergroup 758.44 KB Mar 22 08:49 1 128 MB pg-tale\_of\_two\_cities.txt

~w-r--r-- said supergroup 402.99 KB Mar 22 08:49 1 128 MB pg-tom\_sawyer.txt

Applications Places System 70% 27 B/s 24 B/s 13°C en 8:51:22 م

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localhost:50070/explorer.html#/user/said/

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Hadoop Overview Datanodes Datanode Volume Failures Snapshot Startup Progress Utilities

## Browse Directory

/user/said/ Go

Show 25 entries Search:

	Permission	Owner	Group	Size	Last Modified	Replication	Block Size	Name
	drwxr-xr-x	said	supergroup	0 B	Mar 22 08:45	0	0 B	files2
	drwxr-xr-x	said	supergroup	0 B	Mar 22 08:49	0	0 B	input
	drwxr-xr-x	said	supergroup	0 B	Mar 22 08:50	0	0 B	output

Showing 1 to 3 of 3 entries

Previous 1 Next

Hadoop, 2019.



Applications Places System 70% 95 B/s 67 B/s 13°C en 8:51 22 مار 2019

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localhost:50070/explorer.html#/user/said/output

user/said/output Go

Show 25 entries Search:

Permission	Owner	Group	Size	Last Modified	Replication	Block Size	Name
-rw-r--r--	said	supergroup	0 B	Mar 22 08:50	3	128 MB	_SUCCESS
-rw-r--r--	said	supergroup	133.67 KB	Mar 22 08:50	3	128 MB	part-00000
-rw-r--r--	said	supergroup	133.72 KB	Mar 22 08:50	3	128 MB	part-00001
-rw-r--r--	said	supergroup	137.17 KB	Mar 22 08:50	3	128 MB	part-00002
-rw-r--r--	said	supergroup	135.62 KB	Mar 22 08:50	3	128 MB	part-00003
-rw-r--r--	said	supergroup	135.52 KB	Mar 22 08:50	3	128 MB	part-00004
-rw-r--r--	said	supergroup	136.06 KB	Mar 22 08:50	3	128 MB	part-00005
-rw-r--r--	said	supergroup	134.29 KB	Mar 22 08:50	3	128 MB	part-00006
-rw-r--r--	said	supergroup	135.92 KB	Mar 22 08:50	3	128 MB	part-00007
-rw-r--r--	said	supergroup	136.31 KB	Mar 22 08:50	3	128 MB	part-00008
-rw-r--r--	said	supergroup	135.79 KB	Mar 22 08:50	3	128 MB	part-00009
-rw-r--r--	said	supergroup	135.95 KB	Mar 22 08:50	3	128 MB	part-00010
-rw-r--r--	said	supergroup	133.96 KB	Mar 22 08:50	3	128 MB	part-00011
-rw-r--r--	said	supergroup	134.27 KB	Mar 22 08:50	3	128 MB	part-00012
-rw-r--r--	said	supergroup	135.47 KB	Mar 22 08:50	3	128 MB	part-00013
-rw-r--r--	said	supergroup	133.38 KB	Mar 22 08:50	3	128 MB	part-00014
-rw-r--r--	said	supergroup	134.39 KB	Mar 22 08:50	3	128 MB	part-00015

Showing 1 to 17 of 17 entries

Previous 1 Next

Hadoop, 2019.

Applications Places System 57% 0 B/s 0 B/s 13°C en 8:51 22 مار 2019

part-00001 (~Downloads) - Pluma

Open Save Undo

part-00001

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1 (she.,1)
2 (seriousness,,2)
3 (small,,2)
4 (desolated,,2)
5 (massproduct,,1)
6 (monologue,,4)
7 (bardoor,,1)
8 (obediently,,3)
9 (maiden,,2)
10 (parlour,,10)
11 (making,,4)
12 (reinforced,,3)
13 ("Gimme,,4)
14 (unintentionally,,1)
15 ("Nothing,,8)
16 ("Sonnez,,1)
17 (onerous,,2)
18 (peremptory,,1)
19 (practise,,2)
20 (toll,,1)
21 (speeding,,1)
22 (scale,,1)
23 (kink,,1)
24 (negro,,3)
25 (deceiver,,1)
26 (revision,,1)
27 (Sandycovel,,1)
28 (if-what,,1)
29 (boldest,,4)
30 (chewing,,5)
31 (really,,29)
32 (fairness,,1)
33 (gourme,,1)
34 (interlaced,,1)
35 (HABES,,1)
36 (tillac,,9)
37 (harshly,,1)
38 (pouff,,1)
39 (cabin-scuttle,,1)
40 (urgent,,12)
41 (tolls-one,,1)
42 (milk,,17)
43 (shape,,86)
44 (Domini,,1)
45 (Piles,,2)
46 (Elephant,,4)
47 (anuck,,1)
48 (propitiate-when,,1)
49 (Hacking,,1)
50 (Sarsfield,,1)
51 (tan,,10)
52 (seducer,,1)
53 (landmark,,1)
54 (feast,,1)
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[said@said: ~/Desktop/... [IMP Hadoop] Browsing HDFS - Goog... [lap3] said@said: ~/Desktop/... part-00001 (~Downloads)