










Applications Places System          Wed Nov 7, 10:15 AM **Acadgild**

acadgild@localhost:~/install/hadoop

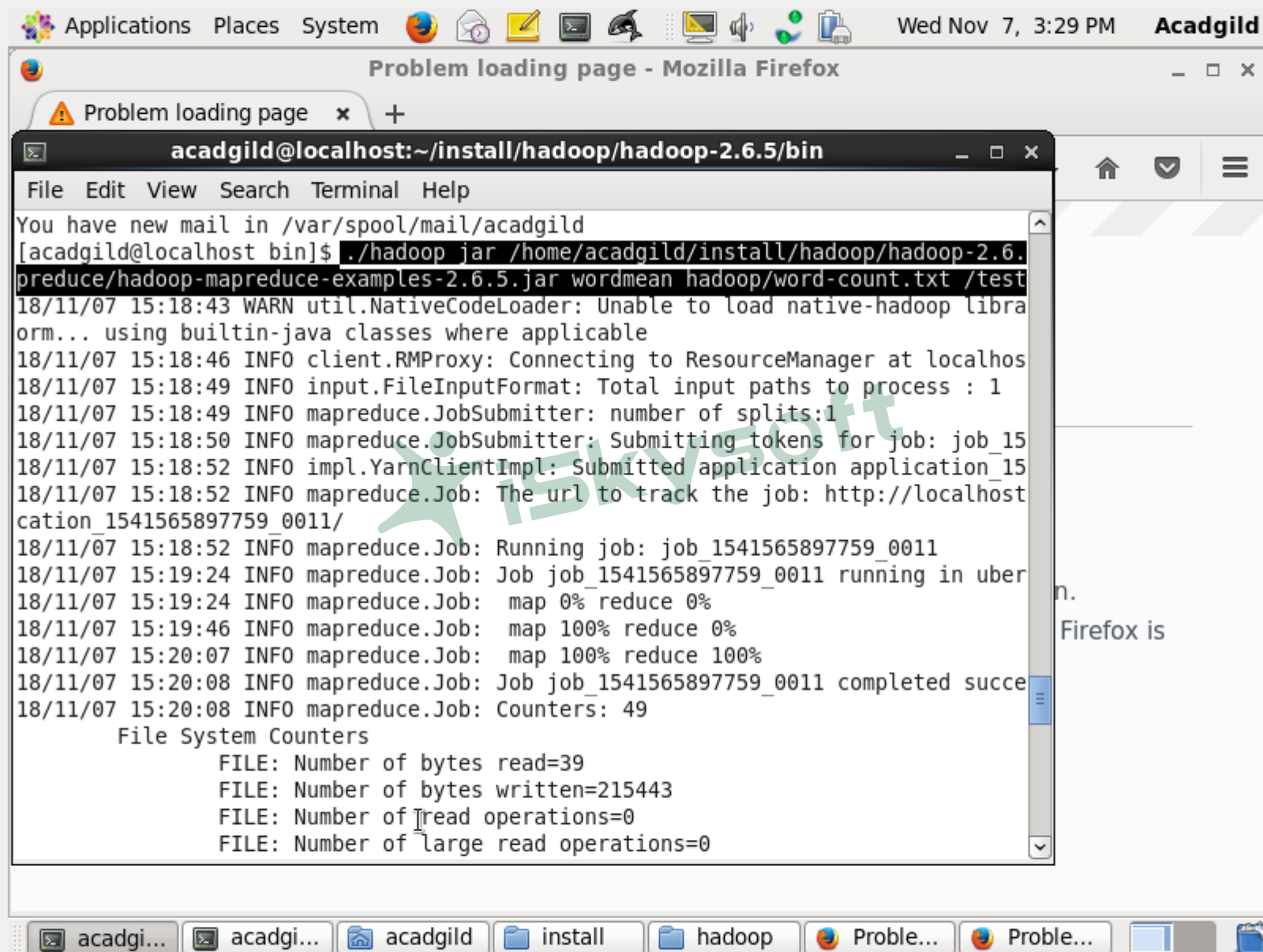
File Edit View Search Terminal Help

```
[acadgild@localhost hadoop]$ jps
3509 DataNode
3734 SecondaryNameNode
28779 Jps
3388 NameNode
You have new mail in /var/spool/mail/acadgild
[acadgild@localhost hadoop]$ start-yarn.sh
starting yarn daemons
starting resourcemanager, logging to /home/acadgild/install/hadoop/hadoop-2.6.5/logs/yarn-acadgil
d-resourcemanager-localhost.localdomain.out
localhost: starting nodemanager, logging to /home/acadgild/install/hadoop/hadoop-2.6.5/logs/yarn-
acadgild-nodemanager-localhost.localdomain.out
[acadgild@localhost hadoop]$ jps
28932 NodeManager
3509 DataNode
3734 SecondaryNameNode
28966 Jps
3388 NameNode
28830 ResourceManager
[acadgild@localhost hadoop]$
```

Window Snip

iskysoft

acadgild@localho... acadgild Documents assignment2



The screenshot shows a virtual machine window titled "Hadoop 2.6\_1\_1 [Running] - Oracle VM VirtualBox". The window contains a terminal window and a Mozilla Firefox browser window. The terminal window is titled "acadgild@localhost:~/install/hadoop/hadoop-2.6.5/bin" and shows the execution of a Hadoop wordcount command. The output of the command is displayed in the terminal, showing progress and completion status. The Firefox browser window is titled "Problem loading page - Mozilla Firefox" and shows a "Problem loading page" error message.

```
Applications Places System Wed Nov 7, 3:29 PM Acadgild
Problem loading page - Mozilla Firefox
Problem loading page x +
acadgild@localhost:~/install/hadoop/hadoop-2.6.5/bin
File Edit View Search Terminal Help
You have new mail in /var/spool/mail/acadgild
[acadgild@localhost bin]$ ./hadoop jar /home/acadgild/install/hadoop/hadoop-2.6.
preduce/hadoop-mapreduce-examples-2.6.5.jar wordmean hadoop/word-count.txt /test
18/11/07 15:18:43 WARN util.NativeCodeLoader: Unable to load native-hadoop libra
orm... using builtin-java classes where applicable
18/11/07 15:18:46 INFO client.RMProxy: Connecting to ResourceManager at localhos
18/11/07 15:18:49 INFO input.FileInputFormat: Total input paths to process : 1
18/11/07 15:18:49 INFO mapreduce.JobSubmitter: number of splits:1
18/11/07 15:18:50 INFO mapreduce.JobSubmitter: Submitting tokens for job: job_15
18/11/07 15:18:52 INFO impl.YarnClientImpl: Submitted application application_15
18/11/07 15:18:52 INFO mapreduce.Job: The url to track the job: http://localhost
cation_1541565897759_0011/
18/11/07 15:18:52 INFO mapreduce.Job: Running job: job_1541565897759_0011
18/11/07 15:19:24 INFO mapreduce.Job: Job job_1541565897759_0011 running in uber
18/11/07 15:19:24 INFO mapreduce.Job: map 0% reduce 0%
18/11/07 15:19:46 INFO mapreduce.Job: map 100% reduce 0%
18/11/07 15:20:07 INFO mapreduce.Job: map 100% reduce 100%
18/11/07 15:20:08 INFO mapreduce.Job: Job job_1541565897759_0011 completed succe
18/11/07 15:20:08 INFO mapreduce.Job: Counters: 49
File System Counters
FILE: Number of bytes read=39
FILE: Number of bytes written=215443
FILE: Number of read operations=0
FILE: Number of large read operations=0
```

Applications Places System Wed Nov 7, 3:31 PM Acadgild

Problem loading page - Mozilla Firefox

Problem loading page x +

acadgild@localhost:~/install/hadoop/hadoop-2.6.5/bin

File Edit View Search Terminal Help

```
FILE: Number of bytes written=215443
FILE: Number of read operations=0
FILE: Number of large read operations=0
FILE: Number of write operations=0
HDFS: Number of bytes read=247
HDFS: Number of bytes written=20
HDFS: Number of read operations=6
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)=17880
  Total time spent by all reduces in occupied slots (ms)=17761
  Total time spent by all map tasks (ms)=17880
  Total time spent by all reduce tasks (ms)=17761
  Total vcore-milliseconds taken by all map tasks=17880
  Total vcore-milliseconds taken by all reduce tasks=17761
  Total megabyte-milliseconds taken by all map tasks=18309120
  Total megabyte-milliseconds taken by all reduce tasks=18187264
Map-Reduce Framework
  Map input records=2
  Map output records=40
```

n.  
Firefox is

acadgi... acadgi... acadgild install hadoop Proble... Proble...

Applications Places System Wed Nov 7, 3:32 PM Acadgild

Problem loading page - Mozilla Firefox

Problem loading page x +

acadgild@localhost:~/install/hadoop/hadoop-2.6.5/bin

File Edit View Search Terminal Help

```
Map input records=2
Map output records=40
Map output bytes=580
Map output materialized bytes=39
Input split bytes=122
Combine input records=40
Combine output records=2
Reduce input groups=2
Reduce shuffle bytes=39
Reduce input records=2
Reduce output records=2
Spilled Records=4
Shuffled Maps =1
Failed Shuffles=0
Merged Map outputs=1
GC time elapsed (ms)=702
CPU time spent (ms)=3570
Physical memory (bytes) snapshot=294273024
Virtual memory (bytes) snapshot=4118216704
Total committed heap usage (bytes)=170004480

Shuffle Errors
BAD_ID=0
CONNECTION=0
IO_ERROR=0
```

acadgild

acadgi... acadgi... acadgild install hadoop Proble... Proble...

Applications Places System Wed Nov 7, 3:33 PM Acadgild

Problem loading page - Mozilla Firefox

Problem loading page x +

acadgild@localhost:~/install/hadoop/hadoop-2.6.5/bin

File Edit View Search Terminal Help

```
Shuffled Maps =1
Failed Shuffles=0
Merged Map outputs=1
GC time elapsed (ms)=702
CPU time spent (ms)=3570
Physical memory (bytes) snapshot=294273024
Virtual memory (bytes) snapshot=4118216704
Total committed heap usage (bytes)=170004480

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=125
File Output Format Counters
  Bytes Written=20

The mean is: 5.25
You have new mail in /var/spool/mail/acadgild
[acadgild@localhost bin]$
```

n. Firefox is

acadgi... acadgi... acadgild install hadoop Proble... Proble...

Applications Places System Wed Nov 7, 3:38 PM Acadgild

Problem loading page - Mozilla Firefox

acadgild@localhost:~

File Edit View Search Terminal Help

```
[acadgild@localhost ~]$ hadoop fs -ls /test/output
18/11/07 15:36:56 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 acadgild supergroup          0 2018-11-07 15:20 /test/output/_SUCCESS
-rw-r--r--  1 acadgild supergroup        20 2018-11-07 15:20 /test/output/part-r-000000
```

You have new mail in /var/spool/mail/acadgild

```
[acadgild@localhost ~]$ hadoop fs -cat /test/output/_SUCCESS
18/11/07 15:37:29 WARN util.NativeCodeLoader: Unable to load native-hadoop library for your platform... using builtin-java classes where applicable
[acadgild@localhost ~]$ hadoop fs -cat /test/output/part-r-000000
18/11/07 15:37:51 WARN util.NativeCodeLoader: Unable to load native-hadoop library for your platform... using builtin-java classes where applicable
count      20
length    105
[acadgild@localhost ~]$
```

Firefox is


acadgi... acadgi... acadgild install hadoop Proble... Proble...

Applications Places System Wed Nov 7, 4:01 PM Acadgild

### All Applications - Mozilla Firefox

All Applications x +

localhost:8088/cluster



## All Applications

Cluster

[About](#)  
[Nodes](#)  
[Applications](#)  
[NEW](#)  
[NEW SAVING](#)  
[SUBMITTED](#)  
[ACCEPTED](#)  
[RUNNING](#)  
[FINISHED](#)  
[FAILED](#)  
[KILLED](#)  
[Scheduler](#)

Tools

### Cluster Metrics

Apps Submitted	Apps Pending	Apps Running	Apps Completed	Containers Running	Memory Used	Memory Total	MapReduce Jobs Running
1	0	0	1	0	0 B	8 GB	0

Show 20 entries

ID	User	Name	Application Type	Queue
<a href="#">application_1541565897759_0011</a>	acadgild	word mean	MAPREDUCE	default

Showing 1 to 1 of 1 entries

[acadgild@localhost: ~...]

[acadgild@localhost: ~]

All Applications - Mozil...



Applications Places System Wed Nov 7, 4:02 PM Acadgild

### All Applications - Mozilla Firefox

All Applications x +

localhost:8088/cluster Search

## All Applications

g	Apps Running	Apps Completed	Containers Running	Memory Used	Memory Total	Memory Reserved	VCores Used	VCores Total	VCores Reserved	Active Nodes
	0	1	0	0 B	8 GB	0 B	0	8	0	1

	User	Name	Application Type	Queue	StartTime	FinishTime	State	FinalSt
5897759_0011	acadgild	word mean	MAPREDUCE	default	Wed, 07 Nov 2018 09:48:51 GMT	Wed, 07 Nov 2018 09:50:07 GMT	FINISHED	SUCCEE

entries

[acadgild@localhost: ~...] [acadgild@localhost: ~] All Applications - Mozil...





## Application application\_1541565897759\_0011 - Mozilla Firefox

Application application\_... x +



localhost:8088/cluster/app/application\_1541565897759\_0011



Search

[Nodes](#)[Applications](#)[NEW](#)[NEW\\_SAVING](#)[SUBMITTED](#)[ACCEPTED](#)[RUNNING](#)[FINISHED](#)[FAILED](#)[KILLED](#)[Scheduler](#)

Tools

**User:** acadgild**Name:** word mean**Application Type:** MAPREDUCE**Application Tags:****YarnApplicationState:** FINISHED**FinalStatus Reported by AM:** SUCCEEDED**Started:** 7-Nov-2018 15:18:51**Elapsed:** 1mins, 15sec**Tracking URL:** [History](#)**Diagnostics:**

## Application Metrics

**Total Resource Preempted:** <memory:0, vCores:0>**Total Number of Non-AM Containers Preempted:** 0**Total Number of AM Containers Preempted:** 0**Resource Preempted from Current Attempt:** <memory:0, vCores:0>**Number of Non-AM Containers Preempted from Current Attempt:** 0**Aggregate Resource Allocation:** 206384 MB-seconds, 119 vcore-seconds

Show 20 entries

Search:

Attempt ID	Started	Node	Logs	Blacklisted Nodes
<a href="#">appattempt_1541565897759_0011_000001</a>	Wed, 07 Nov 2018	<a href="#">http://localhost:8042</a>	<a href="#">Logs</a>	N/A

All Applications

localhost:8088/cluster

Search



## All Applications

## Cluster Metrics

Apps Submitted	Apps Pending	Apps Running	Apps Completed	Containers Running	Memory Used	Memory Total	Memory Reserved	VCores Used	VCores Total	VCores Reserved	Active Nodes	Decommissioned Nodes
2	0	1	1	2	3 GB	8 GB	0 B	2	8	0	1	0

Show 20 entries

ID	User	Name	Application Type	Queue	StartTime	FinishTime	State	FinalStatus	Progress
<a href="#">application_1541565897759_0013</a>	acadgild	word median	MAPREDUCE	default	Wed, 07 Nov 2018 10:48:30 GMT	N/A	RUNNING	UNDEFINED	
<a href="#">application_1541565897759_0011</a>	acadgild	word mean	MAPREDUCE	default	Wed, 07 Nov 2018 09:48:51 GMT	Wed, 07 Nov 2018 09:50:07 GMT	FINISHED	SUCCEEDED	

Showing 1 to 2 of 2 entries

Activate Windows

Go to Settings to activate Windows.

acadgild@localhost: ~/install/hadoop/hadoop-2.6.5/bin

File Edit View Search Terminal Help

```
[acadgild@localhost ~]$ ls
Desktop  Downloads  eclipse-workspace  Music      pig_1539988864623.log  Templates
Documents  eclipse    install           Pictures   Public                Videos
[acadgild@localhost ~]$ cd install/hadoop/hadoop-2.6.5/bin
[acadgild@localhost bin]$ ./hadoop jar /home/acadgild/install/hadoop/hadoop-2.6.5/share/hadoop/mapreduce/hadoop-mapreduce-examples-2.6.5.jar wordmedian hadoop/word-count.txt /test/output1
18/11/07 16:18:23 WARN util.NativeCodeLoader: Unable to load native-hadoop library for your platform... using builtin-java classes where applicable
18/11/07 16:18:25 INFO client.RMPProxy: Connecting to ResourceManager at localhost/127.0.0.1:8032
18/11/07 16:18:27 WARN mapreduce.JobResourceUploader: Hadoop command-line option parsing not performed. Implement the Tool interface and execute your application with ToolRunner to remedy this.
18/11/07 16:18:28 INFO input.FileInputFormat: Total input paths to process : 1
18/11/07 16:18:29 INFO mapreduce.JobSubmitter: number of splits:1
18/11/07 16:18:29 INFO mapreduce.JobSubmitter: Submitting tokens for job: job_1541565897759_0013
18/11/07 16:18:30 INFO impl.YarnClientImpl: Submitted application application_1541565897759_0013
18/11/07 16:18:30 INFO mapreduce.Job: The url to track the job: http://localhost:8088/proxy/application_1541565897759_0013/
18/11/07 16:18:30 INFO mapreduce.Job: Running job: job_1541565897759_0013
18/11/07 16:18:55 INFO mapreduce.Job: Job job_1541565897759_0013 running in uber mode : false
18/11/07 16:18:55 INFO mapreduce.Job:  map 0% reduce 0%
18/11/07 16:19:17 INFO mapreduce.Job:  map 100% reduce 0%
18/11/07 16:19:33 INFO mapreduce.Job:  map 100% reduce 100%
18/11/07 16:19:34 INFO mapreduce.Job: Job job_1541565897759_0013 completed successfully
18/11/07 16:19:34 INFO mapreduce.Job: Counters: 49
  File System Counters
    FILE: Number of bytes read=76
    FILE: Number of bytes written=215255
    FILE: Number of read operations=0
    FILE: Number of large read operations=0
    FILE: Number of write operations=0
    HDFS: Number of bytes read=247
    HDFS: Number of bytes written=28
    HDFS: Number of read operations=6
    HDFS: Number of large read operations=0
    HDFS: Number of write operations=2
```

Job Counters

Activate Windows  
Go to Settings to activate Windows.

```
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)=18740
  Total time spent by all reduces in occupied slots (ms)=12047
  Total time spent by all map tasks (ms)=18740
  Total time spent by all reduce tasks (ms)=12047
  Total vcore-milliseconds taken by all map tasks=18740
  Total vcore-milliseconds taken by all reduce tasks=12047
  Total megabyte-milliseconds taken by all map tasks=19189760
  Total megabyte-milliseconds taken by all reduce tasks=12336128
Map-Reduce Framework
  Map input records=2
  Map output records=20
  Map output bytes=160
  Map output materialized bytes=76
  Input split bytes=122
  Combine input records=20
  Combine output records=7
  Reduce input groups=7
  Reduce shuffle bytes=76
  Reduce input records=7
  Reduce output records=7
  Spilled Records=14
  Shuffled Maps =1
  Failed Shuffles=0
  Merged Map outputs=1
  GC time elapsed (ms)=435
  CPU time spent (ms)=3450
  Physical memory (bytes) snapshot=294662144
  Virtual memory (bytes) snapshot=4118220800
  Total committed heap usage (bytes)=170004480
Shuffle Errors
  BAD_ID=0
  CONNECTION=0
```

Window Snip



```
Total megabyte-milliseconds taken by all map tasks=12169700
Total megabyte-milliseconds taken by all reduce tasks=12336128
Map-Reduce Framework
  Map input records=2
  Map output records=20
  Map output bytes=160
  Map output materialized bytes=76
  Input split bytes=122
  Combine input records=20
  Combine output records=7
  Reduce input groups=7
  Reduce shuffle bytes=76
  Reduce input records=7
  Reduce output records=7
  Spilled Records=14
  Shuffled Maps =1
  Failed Shuffles=0
  Merged Map outputs=1
  GC time elapsed (ms)=435
  CPU time spent (ms)=3450
  Physical memory (bytes) snapshot=294662144
  Virtual memory (bytes) snapshot=4118220800
  Total committed heap usage (bytes)=170004480
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=125
File Output Format Counters
  Bytes Written=28
```

The median is: 5

You have new mail in /var/spool/mail/acadgild

[acadgild@localhost bin]\$ hdfs dfs -mkdir /input

[acadgild@localhost:~]

acadgild@localhost:~/...

[All Applications - Moz...]

[acadgild@localhost:~]

Activate Windows  
Go to Settings to activate Windows.



## All Applications - Mozilla Firefox

All Applications

localhost:8088/cluster

Search



## All Applications

## Cluster Metrics

Apps Submitted	Apps Pending	Apps Running	Apps Completed	Containers Running	Memory Used	Memory Total	Memory Reserved	VCores Used	VCores Total	VCores Reserved	Active Nodes	Decommissioned Nodes
2	0	0	2	0	0 B	8 GB	0 B	0	8	0	1	0

Show 20 entries

ID	User	Name	Application Type	Queue	StartTime	FinishTime	State	FinalStatus	Progress
<a href="#">application_1541565897759_0013</a>	acadgild	word median	MAPREDUCE	default	Wed, 07 Nov 2018 10:48:30 GMT	Wed, 07 Nov 2018 10:49:32 GMT	FINISHED	SUCCEEDED	<div></div>
<a href="#">application_1541565897759_0011</a>	acadgild	word mean	MAPREDUCE	default	Wed, 07 Nov 2018 09:48:51 GMT	Wed, 07 Nov 2018 09:50:07 GMT	FINISHED	SUCCEEDED	<div></div>

Showing 1 to 2 of 2 entries

Activate Windows

Go to Settings to activate Windows.





## Application application\_1541565897759\_0013 - Mozilla Firefox

Application application\_... x +



localhost:8088/cluster/app/application\_1541565897759\_0013



Search

[Nodes](#)[Applications](#)[NEW](#)[NEW\\_SAVING](#)[SUBMITTED](#)[ACCEPTED](#)[RUNNING](#)[FINISHED](#)[FAILED](#)[KILLED](#)[Scheduler](#)

Tools

**User:** acadgild**Name:** word median**Application Type:** MAPREDUCE**Application Tags:****YarnApplicationState:** FINISHED**FinalStatus Reported by AM:** SUCCEEDED**Started:** 7-Nov-2018 16:18:30**Elapsed:** 1mins, 2sec**Tracking URL:** [History](#)**Diagnostics:**

## Application Metrics

**Total Resource Preempted:** <memory:0, vCores:0>**Total Number of Non-AM Containers Preempted:** 0**Total Number of AM Containers Preempted:** 0**Resource Preempted from Current Attempt:** <memory:0, vCores:0>**Number of Non-AM Containers Preempted from Current Attempt:** 0**Aggregate Resource Allocation:** 176410 MB-seconds, 103 vcore-seconds

Show 20 entries

Search:

Attempt ID	Started	Node	Logs	Blacklisted Nodes
<a href="#">appattempt_1541565897759_0013_000001</a>	Wed, 07 Nov 2018	<a href="#">http://localhost:8042</a>	<a href="#">Logs</a>	N/A





acadgild@localhost:~\$

File Edit View Search Terminal Help

[acadgild@localhost bin]\$ **hadoop fs -ls /test/output1**

18/11/07 16:35:15 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	acadgild	supergroup	0	2018-11-07 16:19	/test/output1/_SUCCESS
-rw-r--r--	1	acadgild	supergroup	28	2018-11-07 16:19	/test/output1/part-r-00000

[acadgild@localhost bin]\$ **hadoop fs -cat /test/output1/part-r-00000**

18/11/07 16:35:38 WARN util.NativeCodeLoader: Unable to load native-hadoop library for your platform... using builtin-java classes where applicable

```
2      1
3      5
4      3
5      1
6      3
7      3
8      4
```

You have new mail in /var/spool/mail/acadgild

[acadgild@localhost bin]\$

iskyssoft

Activate Windows

Go to Settings to activate Windows.



acadgild@localhost:~/install/hadoop/hadoop-2.6.5/bin

File Edit View Search Terminal Help

You have new mail in /var/spool/mail/acadgild

```
[acadgild@localhost bin]$ ./hadoop jar /home/acadgild/install/hadoop/hadoop-2.6.5/share/hadoop/mapreduce/hadoop-mapreduce-examples-2.6.5.jar wordstandarddeviation hadoop/word-count.txt /test/output2
```

```
18/11/07 16:30:42 WARN util.NativeCodeLoader: Unable to load native-hadoop library for your platform... using builtin-java classes where applicable
```

```
18/11/07 16:30:44 INFO client.RMPProxy: Connecting to ResourceManager at localhost/127.0.0.1:8032
```

```
18/11/07 16:30:47 INFO input.FileInputFormat: Total input paths to process : 1
```

```
18/11/07 16:30:48 INFO mapreduce.JobSubmitter: number of splits:1
```

```
18/11/07 16:30:48 INFO mapreduce.JobSubmitter: Submitting tokens for job: job_1541565897759_0014
```

```
18/11/07 16:30:49 INFO impl.YarnClientImpl: Submitted application application_1541565897759_0014
```

```
18/11/07 16:30:49 INFO mapreduce.Job: The url to track the job: http://localhost:8088/proxy/application_1541565897759_0014/
```

```
18/11/07 16:30:49 INFO mapreduce.Job: Running job: job_1541565897759_0014
```

```
18/11/07 16:31:09 INFO mapreduce.Job: Job job_1541565897759_0014 running in uber mode : false
```

```
18/11/07 16:31:09 INFO mapreduce.Job: map 0% reduce 0%
```

```
18/11/07 16:31:24 INFO mapreduce.Job: map 100% reduce 0%
```

```
18/11/07 16:31:40 INFO mapreduce.Job: map 100% reduce 100%
```

```
18/11/07 16:31:41 INFO mapreduce.Job: Job job_1541565897759_0014 completed successfully
```

```
18/11/07 16:31:41 INFO mapreduce.Job: Counters: 49
```

## File System Counters

```
FILE: Number of bytes read=56
```

```
FILE: Number of bytes written=215639
```

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

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

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

```
HDFS: Number of bytes read=247
```

```
HDFS: Number of bytes written=31
```

```
HDFS: Number of read operations=6
```

```
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)=11418
```

```
Total time spent by all reducers in occupied slots (ms)=12458
```

Activate Windows

Go to Settings to activate Windows.

## 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)=11418  
Total time spent by all reduces in occupied slots (ms)=12458  
Total time spent by all map tasks (ms)=11418  
Total time spent by all reduce tasks (ms)=12458  
Total vcore-milliseconds taken by all map tasks=11418  
Total vcore-milliseconds taken by all reduce tasks=12458  
Total megabyte-milliseconds taken by all map tasks=11692032  
Total megabyte-milliseconds taken by all reduce tasks=12756992

## Map-Reduce Framework

Map input records=2  
Map output records=60  
Map output bytes=880  
Map output materialized bytes=56  
Input split bytes=122  
Combine input records=60  
Combine output records=3  
Reduce input groups=3  
Reduce shuffle bytes=56  
Reduce input records=3  
Reduce output records=3  
Spilled Records=6  
Shuffled Maps =1  
Failed Shuffles=0  
Merged Map outputs=1  
GC time elapsed (ms)=332  
CPU time spent (ms)=3350  
Physical memory (bytes) snapshot=297537536  
Virtual memory (bytes) snapshot=4118224896  
Total committed heap usage (bytes)=170004480

## Shuffle Errors

BAD\_ID=0  
CONNECTION=0  
IO\_ERROR=0  
WRONG\_LENGTH=0



```
Total megabyte-milliseconds taken by all map tasks=11692032
Total megabyte-milliseconds taken by all reduce tasks=12756992
Map-Reduce Framework
  Map input records=2
  Map output records=60
  Map output bytes=880
  Map output materialized bytes=56
  Input split bytes=122
  Combine input records=60
  Combine output records=3
  Reduce input groups=3
  Reduce shuffle bytes=56
  Reduce input records=3
  Reduce output records=3
  Spilled Records=6
  Shuffled Maps =1
  Failed Shuffles=0
  Merged Map outputs=1
  GC time elapsed (ms)=332
  CPU time spent (ms)=3350
  Physical memory (bytes) snapshot=297537536
  Virtual memory (bytes) snapshot=4118224896
  Total committed heap usage (bytes)=170004480
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=125
File Output Format Counters
  Bytes Written=31
```

The standard deviation is: 2.0217566619155725

You have new mail in /var/spool/mail/acadgild

[acadgild@localhost bin]\$

Remove Watermark Now

Activate Windows  
Go to Settings to activate Windows.

```
[acadgild@localhost bin]$ hadoop fs -ls /test/output2
```

```
18/11/07 16:41:31 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 acadgild supergroup      0 2018-11-07 16:31 /test/output2/_SUCCESS
```

```
-rw-r--r--  1 acadgild supergroup    31 2018-11-07 16:31 /test/output2/part-r-00000
```

```
[acadgild@localhost bin]$ hadoop fs -cat /test/output2/part-r-00000
```

```
18/11/07 16:42:05 WARN util.NativeCodeLoader: Unable to load native-hadoop library for your platform... using builtin-java classes where applicable
```

```
count  20
```

```
length 105
```

```
square 633
```

```
You have new mail in /var/spool/mail/acadgild
```

```
[acadgild@localhost bin]$
```





Show 20 entries

Showing 1 to 3 of 3 entries

[Nodes](#)[Applications](#)[NEW](#)[NEW\\_SAVING](#)[SUBMITTED](#)[ACCEPTED](#)[RUNNING](#)[FINISHED](#)[FAILED](#)[KILLED](#)[Scheduler](#)[Tools](#)**User:** acadgild**Name:** word stddev**Application Type:** MAPREDUCE**Application Tags:****YarnApplicationState:** FINISHED**FinalStatus Reported by AM:** SUCCEEDED**Started:** 7-Nov-2018 16:30:49**Elapsed:** 50sec**Tracking URL:** [History](#)**Diagnostics:**

## Application Metrics

**Total Resource Preempt:** <memory:0, vCores:0>**Total Number of Non-AM Containers Preempt:** 0**Total Number of AM Containers Preempt:** 0**Resource Preempted from Current Attempt:** <memory:0, vCores:0>**Number of Non-AM Containers Preempted from Current Attempt:** 0**Aggregate Resource Allocation:** 142842 MB-seconds, 82 vcore-seconds

Show 20 entries

Search:

Attempt ID	Started	Node	Logs	Blacklisted Nodes
<a href="#">appattempt_1541565897759_0014_000001</a>	Wed, 07 Nov 2018 11:00:49 GMT	<a href="#">http://localhost:8042</a>	<a href="#">Logs</a>	N/A

Showing 1 to 1 of 1 entries

First Previous 1 Next Last