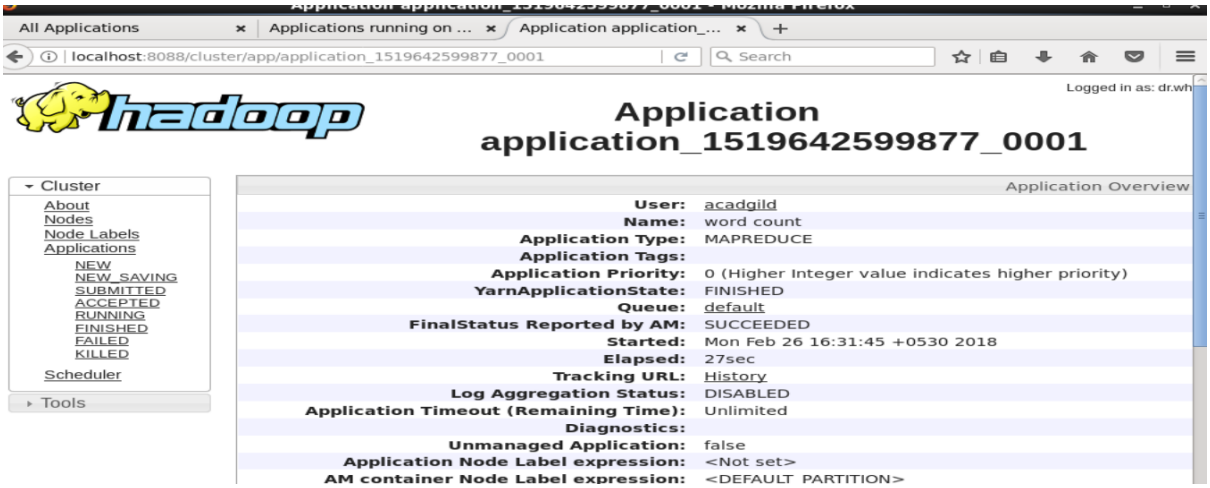
acadgild@localhost Desktop]$ hadoop jar hadoop-mapreduce-examples-2.9.0.jar wordcount file1.txt wc

As per instruction, copied the hadoop-mapreduce-examples-2.9.0.jar file and executed using the above command

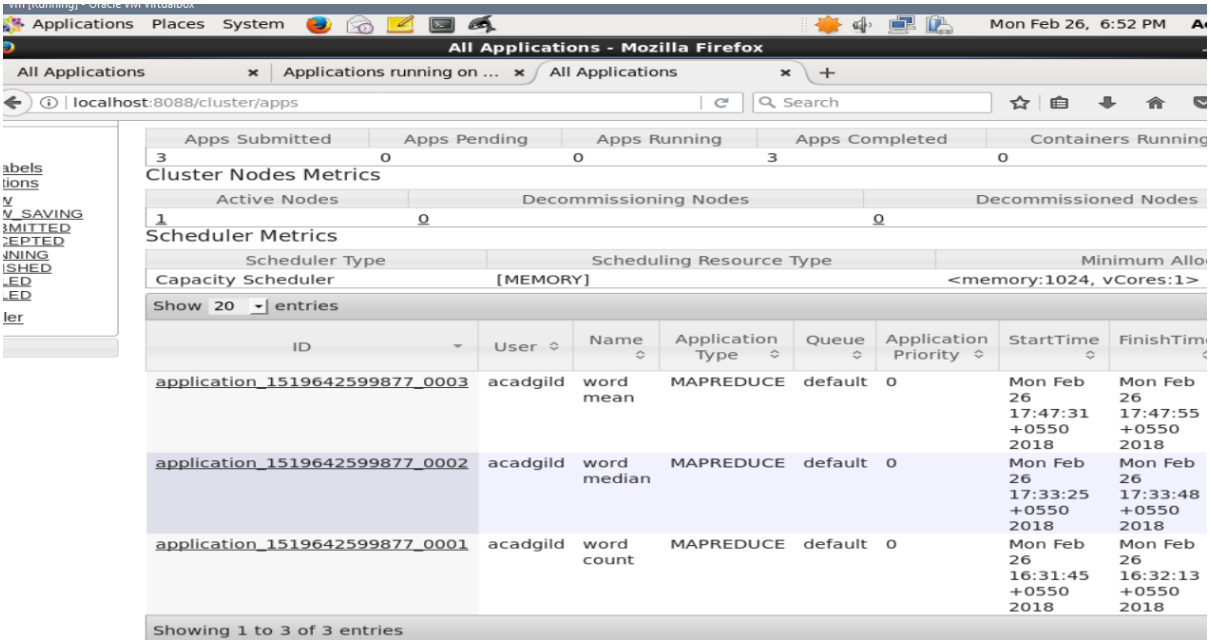


Execute WordMedian , WordMean , WordStandardDeviation programs using

hadoop-mapreduce-examples-2.9.0.jar file present in your AcadGild VM.

Commands Used:

1. **JPS : To show the JVM process status**
2. **(Start/Stop) Start-all.sh : To start hadoop required deamon processes. As it is deprecated below 3 & 4 shell commands can use.**
3. **(Start/Stop) Start-dfs.sh : DFS is specific to Hadoop (Data File System) . The command starts the processes of HDFS. FS is Generic file system, it can perform operations with from/to local or HDFS.**
4. **(Start/Stop) Start-yarn.sh: Start/stop HDFS and YARN daemons separately from the master machine on all the nodes. It is advisable to use these commands now over start-all.sh & stop-all.sh.**
5. **Cat > file1.txt : Create a text file and ctrl+c to save and quit**
6. **Cat file1.txt : To view the file**
7. **hadoop jar hadoop-mapreduce-examples-2.9.0.jar wordcount file1.txt wc**
   Above command explaining: run the "wordcount" class with parameter "file1.txt" and produce output into "wc"
8. **hadoop jar hadoop-mapreduce-examples-2.9.0.jar wordmedian file1.txt wmedian**
9. **hadoop jar hadoop-mapreduce-examples-2.9.0.jar wordmeam file1.txt wmean**



10. **Result files existing in HDFS. The command used below screen to list Hadoop fs -ls**

```
[acadgild@localhost /]$
[acadgild@localhost /]$ hadoop fs -ls wc
18/02/26 19:04:24 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 2018-02-26 16:32 wc/_SUCCESS
-rw-r--r--   1 acadgild supergroup         12 2018-02-26 16:32 wc/part-r-00000
[acadgild@localhost /]$ hadoop fs -ls wmean
18/02/26 19:04:46 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 2018-02-26 17:47 wmean/_SUCCESS
-rw-r--r--   1 acadgild supergroup         19 2018-02-26 17:47 wmean/part-r-00000
[acadgild@localhost /]$ hadoop fs -ls wmedian
18/02/26 19:05:07 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 2018-02-26 17:33 wmedian/_SUCCESS
-rw-r--r--   1 acadgild supergroup          5 2018-02-26 17:33 wmedian/part-r-00000
[acadgild@localhost /]$
```

11. **Result files to view needs to mention the part file with CAT command**

```
[acadgild@localhost /]$
[acadgild@localhost /]$ hadoop fs -cat wc/part-r-00000
18/02/26 19:09:59 WARN util.NativeCodeLoader: Unable to load native-hadoop library for your platform... using builtin-java classes where
applicable
A       4
B       6
C       5
[acadgild@localhost /]$ hadoop fs -cat wmean/part-r-00000
18/02/26 19:10:36 WARN util.NativeCodeLoader: Unable to load native-hadoop library for your platform... using builtin-java classes where
applicable
count   15
length  15
[acadgild@localhost /]$ hadoop fs -cat wmedian/part-r-00000
18/02/26 19:10:51 WARN util.NativeCodeLoader: Unable to load native-hadoop library for your platform... using builtin-java classes where
applicable
1       15
[acadgild@localhost /]$
```