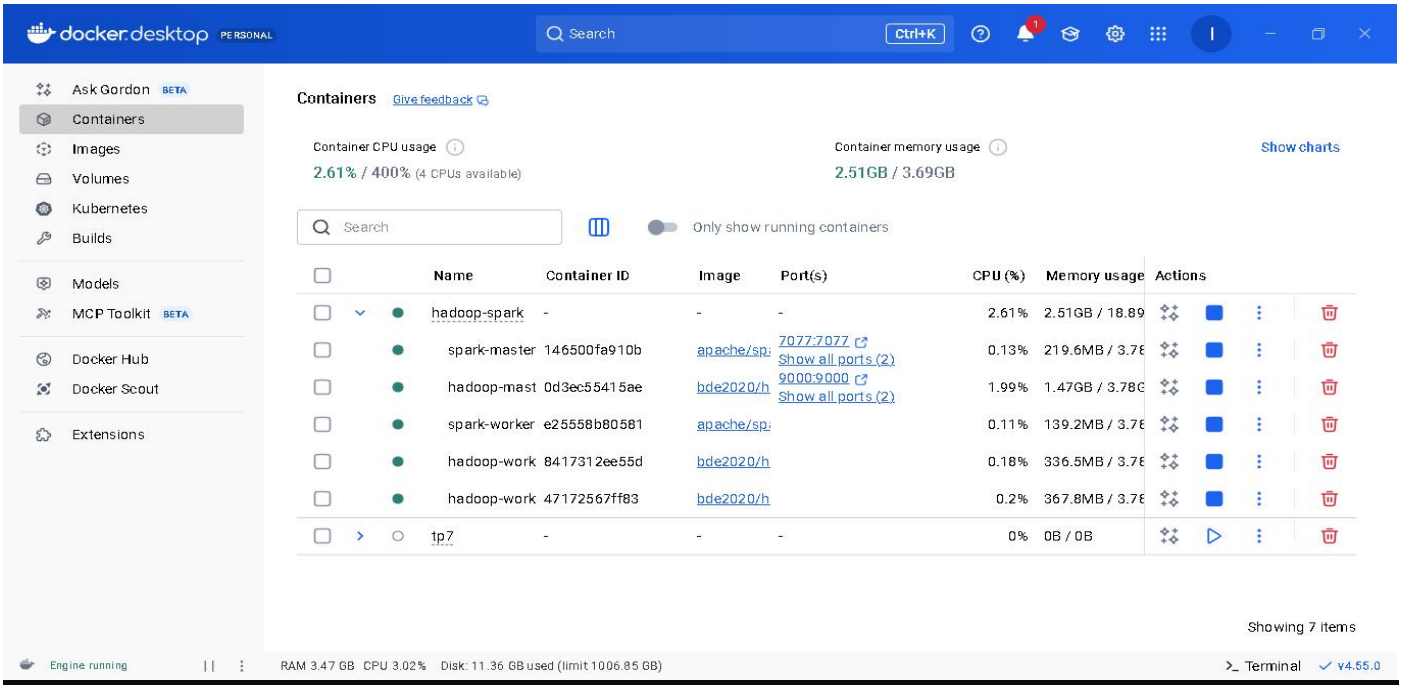



```
[+] Running 13/13ocker compose down -v
 ⠿ spark-worker Pulled                                                    103.7s
 ⠿ spark-master Pulled                                                    103.8s
   ⠿ 6f32e041863d Pull complete                                            34.3s
   ⠿ 7007490126ef Pull complete                                            28.2s
   ⠿ a5b06dad3503 Pull complete                                            45.7s
   ⠿ 9c387219ad28 Pull complete                                            44.5s
   ⠿ e43f1f40dafc Pull complete                                            46.3s
   ⠿ d1818ec198c0 Pull complete                                             0.4s
   ⠿ a148cf41a5df Pull complete                                            90.3s
   ⠿ f67b63cf36d1 Pull complete                                            49.3s
   ⠿ d35079eec123 Pull complete                                            90.4s
   ⠿ 4f4fb700ef54 Pull complete                                             0.3s
   ⠿ 616eb43372c1 Pull complete                                            99.8s
[+] Running 9/9
 ⠿ Network hadoop-spark_hadoop-net       Created                           0.2s
 ⠿ Volume hadoop-spark_hadoop_datanode2  Created                           0.1s
 ⠿ Volume hadoop-spark_hadoop_namenode   Created                           0.0s
 ⠿ Volume hadoop-spark_hadoop_datanode1  Created                           0.0s
 ⠿ Container hadoop-master               Started                           8.8s
 ⠿ Container spark-master                Started                           8.7s
 ⠿ Container spark-worker                Started                           3.4s
 ⠿ Container hadoop-worker2              Started                           3.8s
 ⠿ Container hadoop-worker1              Started                           4.0s
```

```
C:\Users\User>cd /d D:\hadoop-spark

D:\hadoop-spark>docker cp spark-master:/opt/spark D:\hadoop-spark\spark
Successfully copied 363MB to D:\hadoop-spark\spark

D:\hadoop-spark>dir D:\hadoop-spark\spark
 Volume in drive D has no label.
 Volume Serial Number is B2FD-E245

 Directory of D:\hadoop-spark\spark

09/14/2023  04:26 PM    <DIR>          .
09/14/2023  04:26 PM    <DIR>          ..
09/09/2023  03:08 AM    <DIR>          bin
09/09/2023  03:08 AM    <DIR>          data
09/09/2023  03:08 AM    <DIR>          examples
09/09/2023  03:08 AM    <DIR>          jars
09/14/2023  04:26 PM    <DIR>          python
09/09/2023  03:08 AM    <DIR>          R
09/14/2023  03:45 PM                 0 RELEASE
09/09/2023  03:08 AM    <DIR>          sbin
09/09/2023  03:08 AM    <DIR>          tests
12/29/2025  11:16 AM    <DIR>          work-dir
               1 File(s)              0 bytes
              11 Dir(s)  72,577,568,768 bytes free

D:\hadoop-spark>docker cp D:\hadoop-spark\spark hadoop-master:/opt/
Successfully copied 363MB to hadoop-master:/opt/

D:\hadoop-spark>docker exec -it hadoop-master bash
root@hadoop-master:/# ls /opt
hadoop-3.2.1  spark
root@hadoop-master:/# /opt/spark/bin/spark-submit --version
/opt/spark/bin/load-spark-env.sh: line 68: ps: command not found
Welcome to
      ____              __
     / __/__  ___ _____/ /__
    _\ \/ _ \/ _ `/ __/  '_/
   /___/ .__/\_,_/_/ /_/\_\   version 3.5.0
      /_/

Using Scala version 2.12.18, OpenJDK 64-Bit Server VM, 1.8.0_232
Branch HEAD
Compiled by user ubuntu on 2023-09-09T01:53:20Z
```

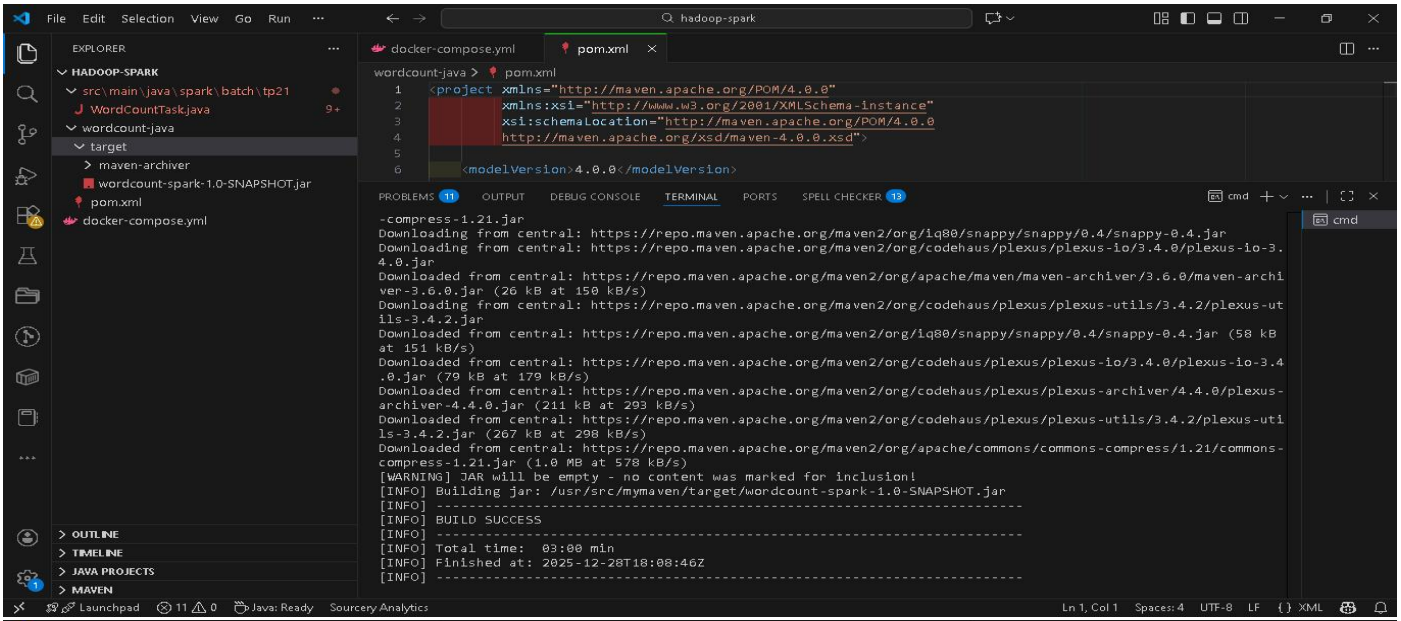
```
D:\TP7>docker ps
CONTAINER ID   IMAGE                                          COMMAND                  CREATED        STATUS                  PORTS
                                     NAMES
e25558b80581   apache/spark:3.5.0                             "/opt/entrypoint.sh …"   39 hours ago   Up 39 hours
                                     spark-worker
8417312ee55d   bde2020/hadoop-datanode:2.0.0-hadoop3.2.1-java8   "/entrypoint.sh /run…"   39 hours ago   Up 39 hours (healthy)   9864/tcp
                                     hadoop-worker2
47172567ff83   bde2020/hadoop-datanode:2.0.0-hadoop3.2.1-java8   "/entrypoint.sh /run…"   39 hours ago   Up 39 hours (healthy)   9864/tcp
                                     hadoop-worker1
146500fa910b   apache/spark:3.5.0                             "/opt/entrypoint.sh …"   39 hours ago   Up 39 hours             0.0.0.0:7077->7077/tcp, [::]:7077->7077
/tcp, 0.0.0.0:8080->8080/tcp, [::]:8080->8080/tcp   spark-master
0d3ec55415ae   bde2020/hadoop-namenode:2.0.0-hadoop3.2.1-java8   "/entrypoint.sh /run…"   39 hours ago   Up 39 hours (healthy)   0.0.0.0:9000->9000/tcp, [::]:9000->9000
/tcp, 0.0.0.0:9870->9870/tcp, [::]:9870->9870/tcp   hadoop-master

D:\TP7>docker exec -it hadoop-master bash
root@hadoop-master:/# jps
3923 ResourceManager
5221 SecondaryNameNode
5112 DataNode
22970 Jps
142 NameNode
5407 NodeManager
```

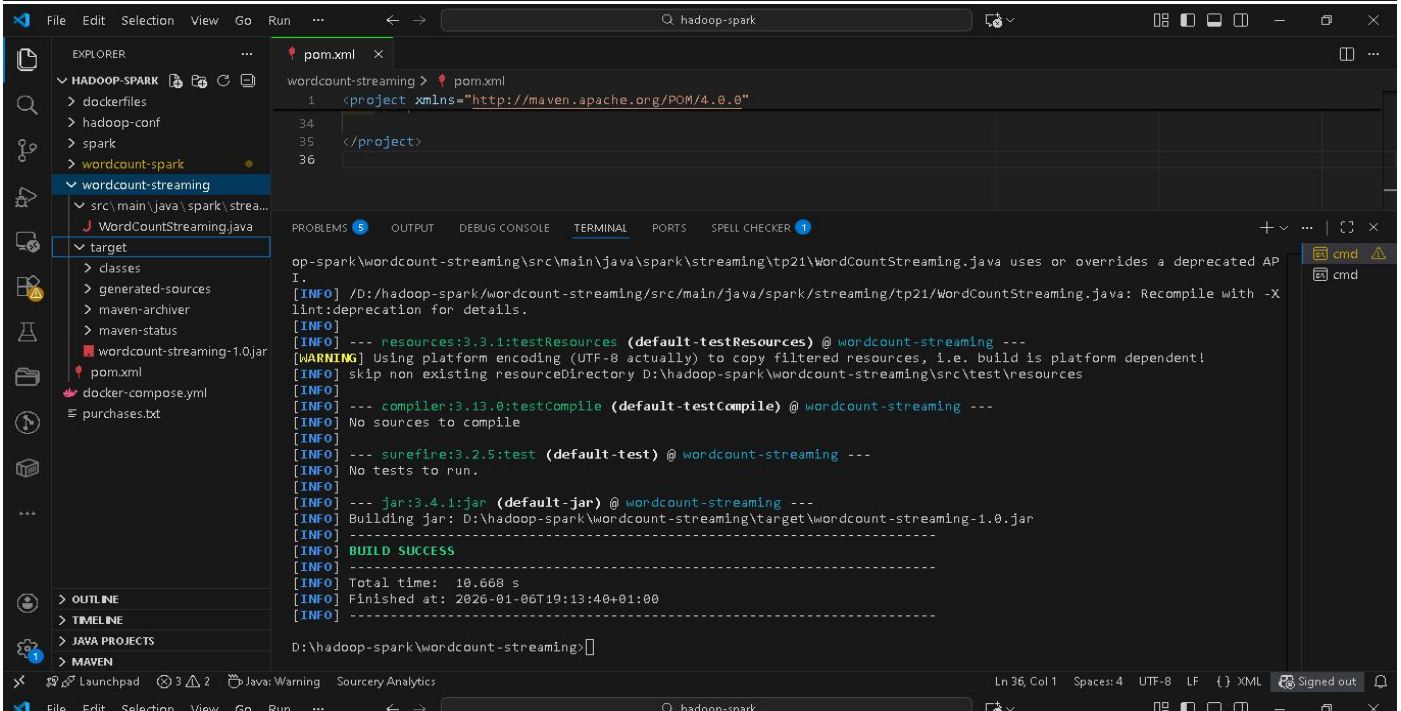
```
root@hadoop-master:/opt/hadoop-3.2.1/sbin# hdfs --daemon start namenode
root@hadoop-master:/opt/hadoop-3.2.1/sbin# hdfs --daemon start datanode
root@hadoop-master:/opt/hadoop-3.2.1/sbin# hdfs --daemon start secondarynamenode
root@hadoop-master:/opt/hadoop-3.2.1/sbin# yarn --daemon start resourcemanager
root@hadoop-master:/opt/hadoop-3.2.1/sbin# yarn --daemon start nodemanager
root@hadoop-master:/opt/hadoop-3.2.1/sbin# jps
3923 ResourceManager
5221 SecondaryNameNode
5511 Jps
5112 DataNode
142 NameNode
5407 NodeManager
root@hadoop-master:/opt/hadoop-3.2.1/sbin# cd ~
root@hadoop-master:~# echo "Hello Spark Hello Hadoop" > file1.txt
root@hadoop-master:~# cat file1.txt
Hello Spark Hello Hadoop
root@hadoop-master:~# hdfs dfs -mkdir -p /input
root@hadoop-master:~# hdfs dfs -put file1.txt /input
2025-12-27 10:37:55,594 INFO sasl.SaslDataTransferClient: SASL encryption trust check: localHostTrusted = false, remoteHostTrusted = false
root@hadoop-master:~# hdfs dfs -ls /input
Found 1 items
-rw-r--r--   3 root supergroup         25 2025-12-27 10:38 /input/file1.txt
```

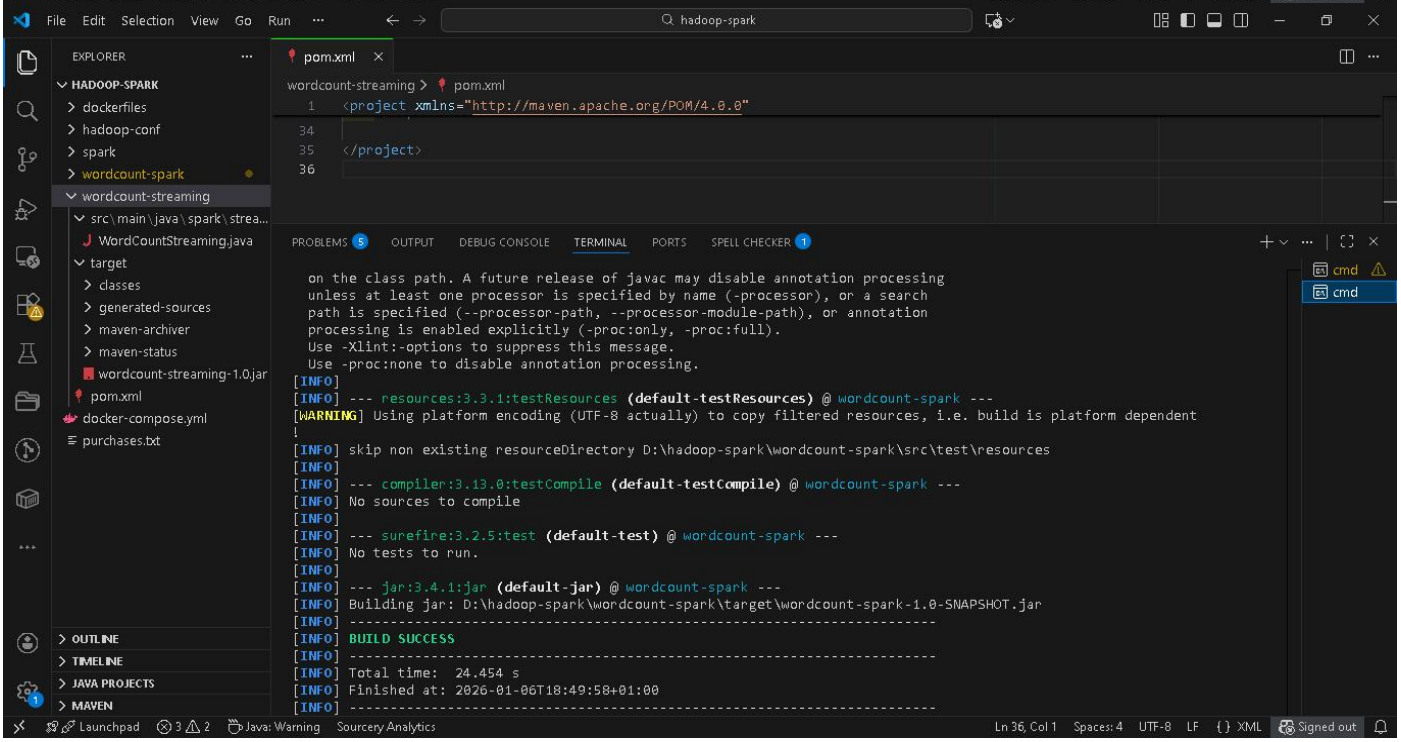
```
D:\hadoop-spark>docker exec -it hadoop-master jps
368 Jps
151 NameNode

D:\hadoop-spark>docker exec -it hadoop-resourcemanager jps
480 Jps
77 ResourceManager

D:\hadoop-spark>docker exec -it hadoop-nodemanager jps
322 Jps
76 NodeManager
```

```
D:\hadoop-spark>docker exec -it hadoop-master bash
root@hadoop-master:/# ls $HADOOP_HOME/sbin
FederationStateStore   mr-jobhistory-daemon.sh  start-dfs.sh         stop-balancer.sh    workers.sh
distribute-exclude.sh  refresh-namenodes.sh     start-secure-dns.sh  stop-dfs.cmd        yarn-daemon.sh
hadoop-daemon.sh       start-all.cmd            start-yarn.cmd       stop-dfs.sh         yarn-daemons.sh
hadoop-daemons.sh      start-all.sh             start-yarn.sh        stop-secure-dns.sh
httpfs.sh              start-balancer.sh        stop-all.cmd         stop-yarn.cmd
kms.sh                 start-dfs.cmd            stop-all.sh          stop-yarn.sh
```

```
D:\TP7>docker exec -it hadoop-master bash
root@hadoop-master:/# hdfs dfs -ls /user/spark/output-wordcount
Found 3 items
-rw-r--r--   3 spark supergroup          0 2025-12-28 10:07 /user/spark/output-wordcount/_SUCCESS
-rw-r--r--   3 spark supergroup         10 2025-12-28 10:07 /user/spark/output-wordcount/part-00000
-rw-r--r--   3 spark supergroup         21 2025-12-28 10:07 /user/spark/output-wordcount/part-00001
root@hadoop-master:/# hdfs dfs -cat /user/spark/output-wordcount/*
2025-12-28 10:20:47,341 INFO sasl.SaslDataTransferClient: SASL encryption trust check: localHostTrusted = false, remoteHostTrusted = false
(Hello,2)
(Spark,1)
(Hadoop,1)
root@hadoop-master:/#

D:\hadoop-spark>docker exec -it hadoop-master hdfs dfs -mkdir -p /input

D:\hadoop-spark>docker cp D:\hadoop-spark\purchases.txt hadoop-master:/root/purchases.txt
Successfully copied 2.05kB to hadoop-master:/root/purchases.txt

D:\hadoop-spark>docker exec -it hadoop-master hdfs dfs -put /root/purchases.txt /input
2025-12-30 11:32:00,836 INFO sasl.SaslDataTransferClient: SASL encryption trust check: localHostTrusted = false, remoteHostTrusted = false

D:\hadoop-spark>docker exec -it hadoop-master hdfs dfs -ls /input
Found 1 items
-rw-r--r--   3 root supergroup         48 2025-12-30 11:32 /input/purchases.txt

D:\hadoop-spark>docker exec -it spark-master ls /opt/spark/work-dir

D:\hadoop-spark>docker cp D:\hadoop-spark\wordcount-java\target\wordcount-spark-1.0-SNAPSHOT.jar spark-master:/opt/spark/work-dir/wordcount-spark.jar
Successfully copied 5.63kB to spark-master:/opt/spark/work-dir/wordcount-spark.jar

D:\hadoop-spark>docker exec -it spark-master ls /opt/spark/work-dir
wordcount-spark.jar
```


File Edit Selection View Go Run
hadoop-spark
EXPLORER
HADOOP-SPARK
src\main\java\spark\batch\tp21
WordCountTask.java 9+
wordcount-java
target
maven-archiver
wordcount-spark-1.0-SNAPSHOT.jar
pom.xml
docker-compose.yml
docker-compose.yml
pom.xml
wordcount-java > pom.xml
1 <project xmlns="http://maven.apache.org/POM/4.0.0"
2 xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
3 xsi:schemaLocation="http://maven.apache.org/POM/4.0.0
4 http://maven.apache.org/xsd/maven-4.0.0.xsd">
5
6 <modelVersion>4.0.0</modelVersion>
PROBLEMS 11 OUTPUT DEBUG CONSOLE TERMINAL PORTS SPELL CHECKER 13
cmd
cmd
-compress-1.21.jar
Downloading from central: https://repo.maven.apache.org/maven2/org/iq80/snappy/snappy/0.4/snappy-0.4.jar
Downloading from central: https://repo.maven.apache.org/maven2/org/codehaus/plexus/plexus-io/3.4.0/plexus-io-3.4.0.jar
Downloaded from central: https://repo.maven.apache.org/maven2/org/apache/maven/maven-archiver/3.6.0/maven-archiver-3.6.0.jar (26 kB at 150 kB/s)
Downloading from central: https://repo.maven.apache.org/maven2/org/codehaus/plexus/plexus-utils/3.4.2/plexus-utils-3.4.2.jar
Downloaded from central: https://repo.maven.apache.org/maven2/org/iq80/snappy/snappy/0.4/snappy-0.4.jar (58 kB at 151 kB/s)
Downloaded from central: https://repo.maven.apache.org/maven2/org/codehaus/plexus/plexus-io/3.4.0/plexus-io-3.4.0.jar (79 kB at 179 kB/s)
Downloaded from central: https://repo.maven.apache.org/maven2/org/codehaus/plexus/plexus-archiver/4.4.0/plexus-archiver-4.4.0.jar (211 kB at 293 kB/s)
Downloaded from central: https://repo.maven.apache.org/maven2/org/codehaus/plexus/plexus-utils/3.4.2/plexus-utils-3.4.2.jar (267 kB at 298 kB/s)
Downloaded from central: https://repo.maven.apache.org/maven2/org/apache/commons/commons-compress/1.21/commons-compress-1.21.jar (1.0 MB at 578 kB/s)
[WARNING] JAR will be empty - no content was marked for inclusion!
[INFO] Building jar: /usr/src/mymaven/target/wordcount-spark-1.0-SNAPSHOT.jar
[INFO] --
[INFO] BUILD SUCCESS
[INFO] --
[INFO] Total time: 03:00 min
[INFO] Finished at: 2025-12-28T18:08:46Z
[INFO] --
OUTLINE
TIMELINE
JAVA PROJECTS
MAVEN
Launchpad 11 0 Java: Ready Sourcery Analytics
Ln 1, Col 1 Spaces: 4 UTF-8 LF { } XML

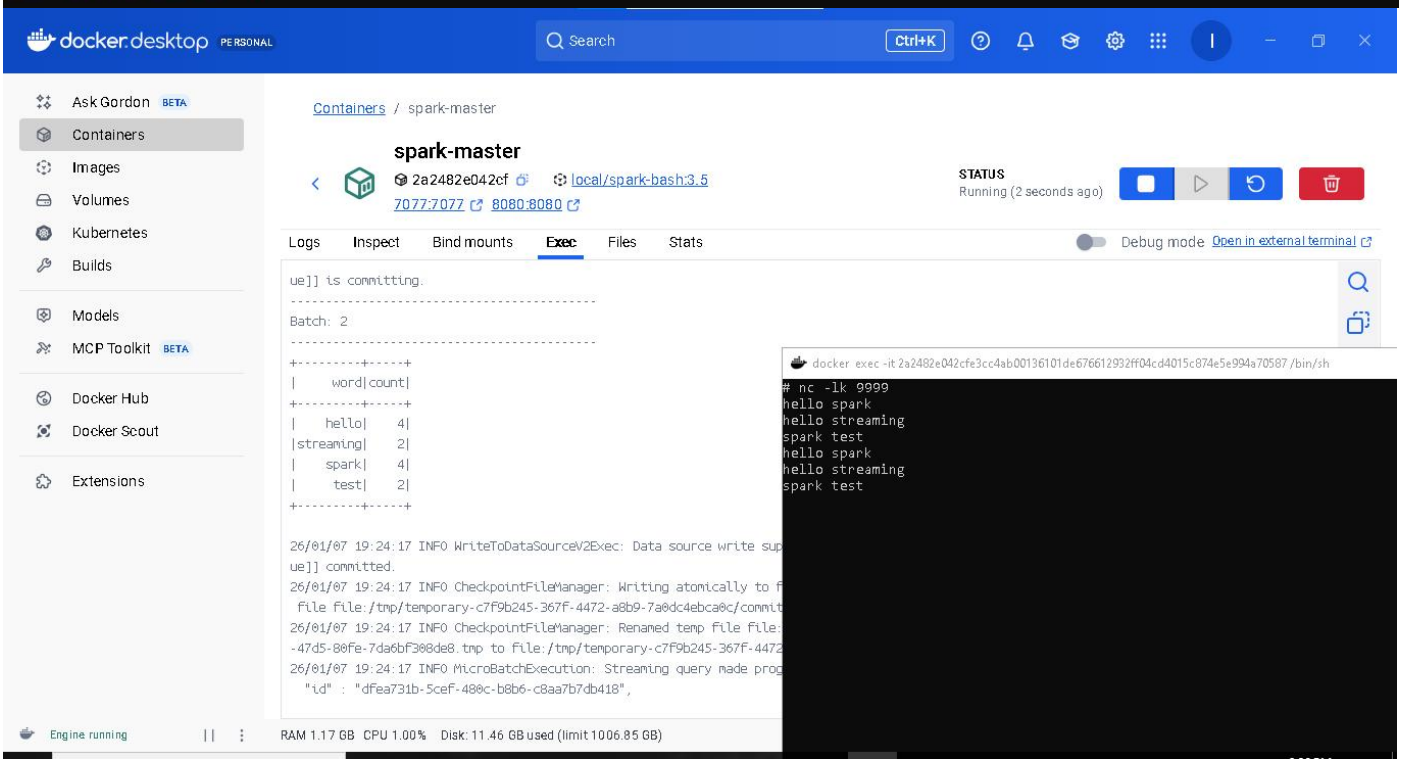

File Edit Selection View Go Run
hadoop-spark
EXPLORER
HADOOP-SPARK
dockerfiles
hadoop-conf
spark
wordcount-spark
wordcount-streaming
src\main\java\spark\strea...
WordCountStreaming.java
target
classes
generated-sources
maven-archiver
maven-status
wordcount-streaming-1.0.jar
pom.xml
docker-compose.yml
purchases.txt
pom.xml
wordcount-streaming > pom.xml
1 <project xmlns="http://maven.apache.org/POM/4.0.0"
34
35 </project>
36
PROBLEMS 5 OUTPUT DEBUG CONSOLE TERMINAL PORTS SPELL CHECKER 1
cmd
cmd
op-spark\wordcount-streaming\src\main\java\spark\streaming\tp21\WordCountStreaming.java uses or overrides a deprecated API.
[INFO] /D:/hadoop-spark/wordcount-streaming/src/main/java/spark/streaming/tp21/WordCountStreaming.java: Recompile with -Xlint:deprecation for details.
[INFO]
[INFO] --- resources:3.3.1:testResources (default-testResources) @ wordcount-streaming ---
[WARNING] Using platform encoding (UTF-8 actually) to copy filtered resources, i.e. build is platform dependent!
[INFO] skip non existing resourceDirectory D:\hadoop-spark\wordcount-streaming\src\test\resources
[INFO]
[INFO] --- compiler:3.13.0:testCompile (default-testCompile) @ wordcount-streaming ---
[INFO] No sources to compile
[INFO]
[INFO] --- surefire:3.2.5:test (default-test) @ wordcount-streaming ---
[INFO] No tests to run.
[INFO]
[INFO] --- jar:3.4.1:jar (default-jar) @ wordcount-streaming ---
[INFO] Building jar: D:\hadoop-spark\wordcount-streaming\target\wordcount-streaming-1.0.jar
[INFO] --
[INFO] BUILD SUCCESS
[INFO] --
[INFO] Total time: 10.668 s
[INFO] Finished at: 2026-01-06T19:13:40+01:00
[INFO] --
D:\hadoop-spark\wordcount-streaming>
OUTLINE
TIMELINE
JAVA PROJECTS
MAVEN
Launchpad 3 2 Java: Warning Sourcery Analytics
Ln 36, Col 1 Spaces: 4 UTF-8 LF { } XML Signed out

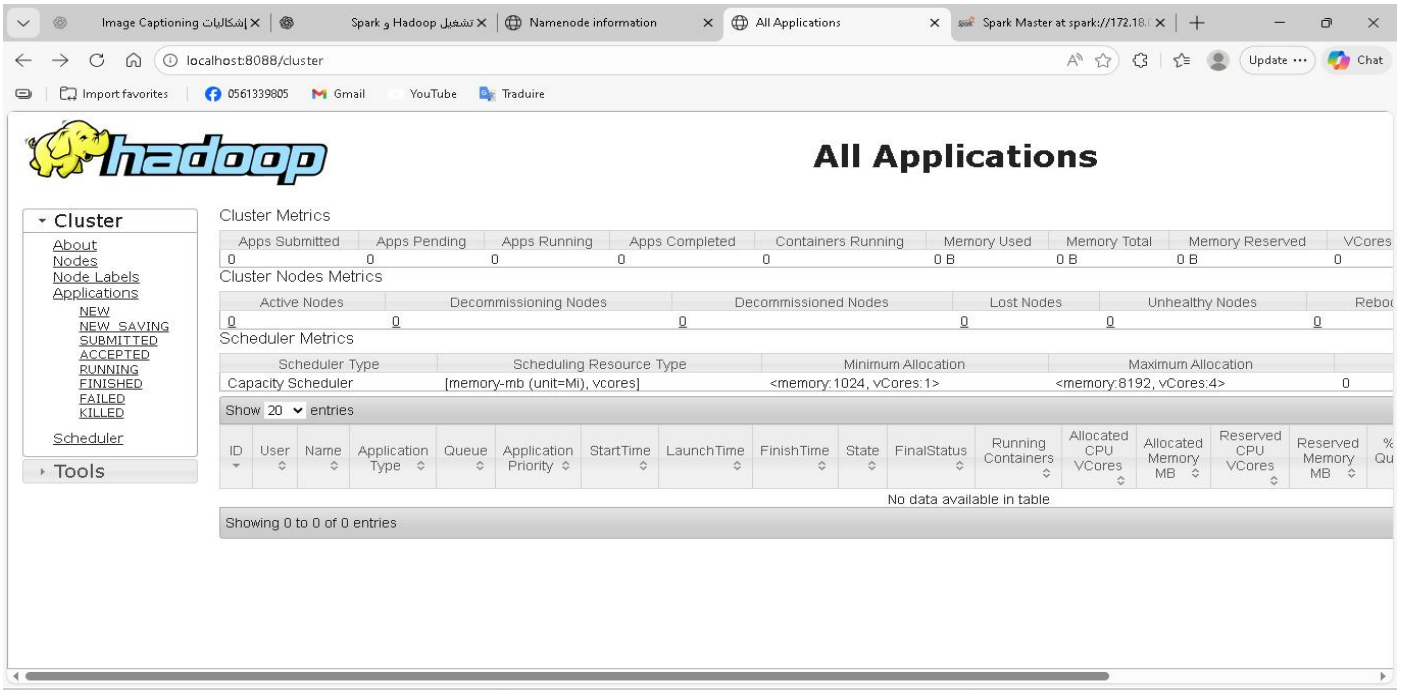

File Edit Selection View Go Run
hadoop-spark
EXPLORER
HADOOP-SPARK
dockerfiles
hadoop-conf
spark
wordcount-spark
wordcount-streaming
src\main\java\spark\strea...
WordCountStreaming.java
target
classes
generated-sources
maven-archiver
maven-status
wordcount-streaming-1.0.jar
pom.xml
docker-compose.yml
purchases.txt
pom.xml
wordcount-streaming > pom.xml
1 <project xmlns="http://maven.apache.org/POM/4.0.0"
34
35 </project>
36
PROBLEMS 5 OUTPUT DEBUG CONSOLE TERMINAL PORTS SPELL CHECKER 1
cmd
cmd
on the class path. A future release of javac may disable annotation processing
unless at least one processor is specified by name (-processor), or a search
path is specified (--processor-path, --processor-module-path), or annotation
processing is enabled explicitly (-proc:only, -proc:full).
Use -Xlint:-options to suppress this message.
Use -proc:none to disable annotation processing.
[INFO]
[INFO] --- resources:3.3.1:testResources (default-testResources) @ wordcount-spark ---
[WARNING] Using platform encoding (UTF-8 actually) to copy filtered resources, i.e. build is platform dependent!
[INFO] skip non existing resourceDirectory D:\hadoop-spark\wordcount-spark\src\test\resources
[INFO]
[INFO] --- compiler:3.13.0:testCompile (default-testCompile) @ wordcount-spark ---
[INFO] No sources to compile
[INFO]
[INFO] --- surefire:3.2.5:test (default-test) @ wordcount-spark ---
[INFO] No tests to run.
[INFO]
[INFO] --- jar:3.4.1:jar (default-jar) @ wordcount-spark ---
[INFO] Building jar: D:\hadoop-spark\wordcount-spark\target\wordcount-spark-1.0-SNAPSHOT.jar
[INFO] --
[INFO] BUILD SUCCESS
[INFO] --
[INFO] Total time: 24.454 s
[INFO] Finished at: 2026-01-06T18:49:58+01:00
[INFO] --
OUTLINE
TIMELINE
JAVA PROJECTS
MAVEN
Launchpad 3 2 Java: Warning Sourcery Analytics
Ln 36, Col 1 Spaces: 4 UTF-8 LF { } XML Signed out

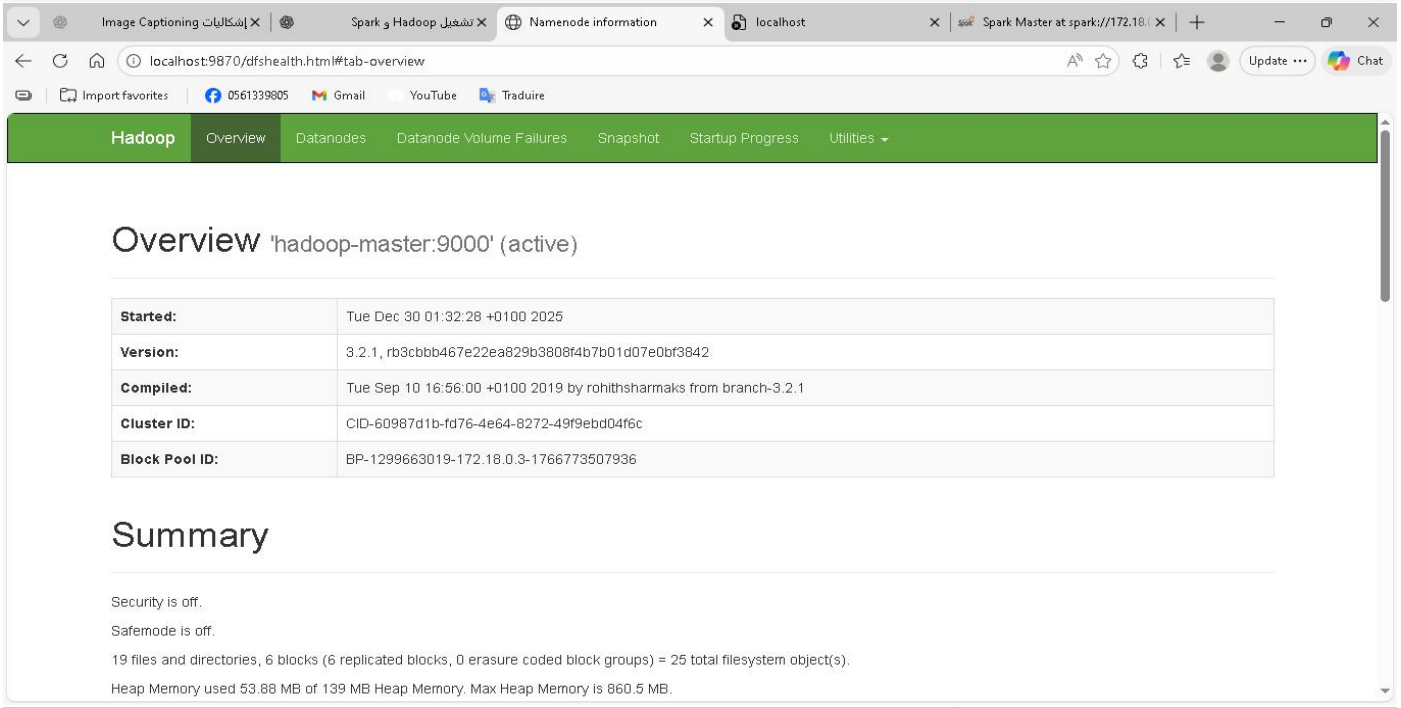
```
D:\TP7>docker exec -it spark-master bash
spark@146500fa910b:/opt/spark/work-dir$ /opt/spark/bin/spark-shell
Setting default log level to "WARN".
To adjust logging level use sc.setLogLevel(newLevel). For SparkR, use setLogLevel(newLevel).
25/12/28 10:04:49 WARN NativeCodeLoader: Unable to load native-hadoop library for your platform... using builtin-java classes where applicable
Spark context Web UI available at http://146500fa910b:4040
Spark context available as 'sc' (master = local[*], app id = local-1766916293222).
Spark session available as 'spark'.
Welcome to
      ____              __
     / __/__  ___ _____/ /__
    _\ \/ _ \/ _ `/ __/  '_/
   /___/ .__/\_,_/_/ /_/\_\   version 3.5.0
      /_/

Using Scala version 2.12.18 (OpenJDK 64-Bit Server VM, Java 11.0.20.1)
Type in expressions to have them evaluated.
Type :help for more information.

scala> val textFile = sc.textFile("hdfs://hadoop-master:9000/input/file1.txt")
val words = textFile.flatMap(_.split(" "))
val pairs = words.map(word => (word, 1))
val counts = pairs.reduceByKey(_ + _)
counts.saveAsTextFile("hdfs://hadoop-master:9000/user/spark/output-wordcount")
textFile: org.apache.spark.rdd.RDD[String] = hdfs://hadoop-master:9000/input/file1.txt MapPartitionsRDD[1] at textFile at <console>:23

scala> words: org.apache.spark.rdd.RDD[String] = MapPartitionsRDD[2] at flatMap at <console>:23

scala> pairs: org.apache.spark.rdd.RDD[(String, Int)] = MapPartitionsRDD[3] at map at <console>:23

scala> counts: org.apache.spark.rdd.RDD[(String, Int)] = ShuffledRDD[4] at reduceByKey at <console>:23


scala> :quit
D:\TP7>docker exec -it spark-master bash
spark@146500fa910b:/opt/spark/work-dir$ /opt/spark/bin/spark-shell
Setting default log level to "WARN".
To adjust logging level use sc.setLogLevel(newLevel). For SparkR, use setLogLevel(newLevel).
25/12/28 11:00:24 WARN NativeCodeLoader: Unable to load native-hadoop library for your platform... using builtin-java classes where applicable
Spark context Web UI available at http://146500fa910b:4040
Spark context available as 'sc' (master = local[*], app id = local-1766919626082).
Spark session available as 'spark'.
Welcome to
      ____              __
     / __/__  ___ _____/ /__
    _\ \/ _ \/ _ `/ __/  '_/
   /___/ .__/\_,_/_/ /_/\_\   version 3.5.0
      /_/

Using Scala version 2.12.18 (OpenJDK 64-Bit Server VM, Java 11.0.20.1)
Type in expressions to have them evaluated.
Type :help for more information.

scala> val rdd = sc.textFile("hdfs://hadoop-master:9000/input/file1.txt")
rdd: org.apache.spark.rdd.RDD[String] = hdfs://hadoop-master:9000/input/file1.txt MapPartitionsRDD[1] at textFile at <console>:23

scala> rdd.collect()
res0: Array[String] = Array(Hello Spark Hello Hadoop)

scala> val words = rdd.flatMap(_.split(" "))
words.collect()
words: org.apache.spark.rdd.RDD[String] = MapPartitionsRDD[2] at flatMap at <console>:23

scala> res1: Array[String] = Array(Hello, Spark, Hello, Hadoop)

scala> val upper = words.map(_.toUpperCase)
upper.collect()
upper: org.apache.spark.rdd.RDD[String] = MapPartitionsRDD[3] at map at <console>:23

scala> res2: Array[String] = Array(HELLO, SPARK, HELLO, HADOOP)

scala> val filtered = words.filter(_.length > 5)
filtered.collect()
filtered: org.apache.spark.rdd.RDD[String] = MapPartitionsRDD[4] at filter at <console>:23

scala> res3: Array[String] = Array(Hadoop)

scala> words.count()
res4: Long = 4

scala> import spark.implicits._

val df = words.toDF("word")
df.show()
import spark.implicits._

scala>
scala> df.groupBy("word").count().show()
df: org.apache.spark.sql.DataFrame = [word: string]

+------+
|  word|
+------+
| Hello|
| Spark|
| Hello|
|Hadoop|
+------+


+------+-----+
|  word|count|
+------+-----+
| Hello|    2|
| Spark|    1|
|Hadoop|    1|
+------+-----+
```

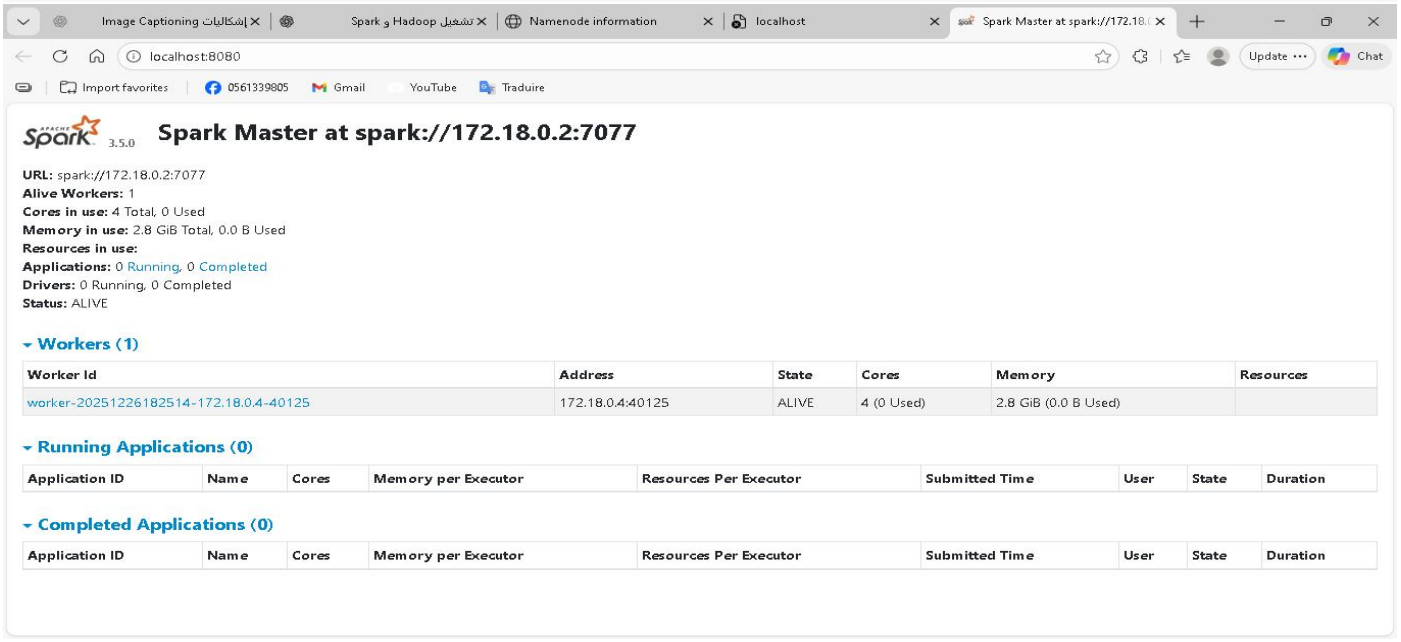
```
scala> df.createOrReplaceTempView("words_table")

scala> spark.sql("""
SELECT word, COUNT(*) AS count
FROM words_table
GROUP BY word
""").show()
+------+-----+
|  word|count|
+------+-----+
| Hello|    2|
| Spark|    1|
|Hadoop|    1|
+------+-----+


scala> spark.sql("""
SELECT word, COUNT(*) AS count
FROM words_table
GROUP BY word
ORDER BY count DESC
""").show()
+------+-----+
|  word|count|
+------+-----+
| Hello|    2|
| Spark|    1|
|Hadoop|    1|
+------+-----+


scala> val resultDF = spark.sql("""
SELECT word, COUNT(*) AS count
FROM words_table
GROUP BY word
""")

resultDF.write
  .mode("overwrite")
  .csv("hdfs://hadoop-master:9000/user/spark/output-sql")
resultDF: org.apache.spark.sql.DataFrame = [word: string, count: bigint]
```

```
scala> val textFile = sc.textFile("hdfs://hadoop-master:9000/input/file1.txt")
textFile: org.apache.spark.rdd.RDD[String] = hdfs://hadoop-master:9000/input/file1.txt MapPartitionsRDD[1] at textFile at <console>:23

scala> val words = textFile.flatMap(_.split(" "))
words: org.apache.spark.rdd.RDD[String] = MapPartitionsRDD[2] at flatMap at <console>:23

scala> val pairs = words.map(word => (word, 1))
pairs: org.apache.spark.rdd.RDD[(String, Int)] = MapPartitionsRDD[3] at map at <console>:23

scala> val counts = pairs.reduceByKey(_ + _)
counts: org.apache.spark.rdd.RDD[(String, Int)] = ShuffledRDD[4] at reduceByKey at <console>:23

scala> counts.collect()
res1: Array[(String, Int)] = Array((Hello,2), (Spark,1), (Hadoop,1))
```




All Applications
Cluster
About
Nodes
Node Labels
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
Memory Reserved
VCores
0 0 0 0 0 0 B 0 B 0 B 0
Cluster Nodes Metrics
Active Nodes
Decommissioning Nodes
Decommissioned Nodes
Lost Nodes
Unhealthy Nodes
0 0 0 0 0 0
Scheduler Metrics
Scheduler Type
Scheduling Resource Type
Minimum Allocation
Maximum Allocation
Capacity Scheduler
[memory-mb (unit=Mi), vcores]
<memory:1024, vCores:1>
<memory:8192, vCores:4>
Show 20 entries
ID
User
Name
Application Type
Queue
Application Priority
StartTime
LaunchTime
FinishTime
State
FinalStatus
Running Containers
Allocated CPU VCores
Allocated Memory MB
Reserved CPU VCores
Reserved Memory MB
No data available in table
Showing 0 to 0 of 0 entries


Hadoop
Overview
Datanodes
Datanode Volume Failures
Snapshot
Startup Progress
Utilities
Overview 'hadoop-master:9000' (active)
Started: Tue Dec 30 01:32:28 +0100 2025
Version: 3.2.1, rb3cbbb467e22ea829b3808f4b7b01d07e0bf3842
Compiled: Tue Sep 10 16:56:00 +0100 2019 by rohithsharmaks from branch-3.2.1
Cluster ID: CID-60987d1b-fd76-4e64-8272-49f9ebd04f6c
Block Pool ID: BP-1299663019-172.18.0.3-1766773507936
Summary
Security is off.
Safemode is off.
19 files and directories, 6 blocks (6 replicated blocks, 0 erasure coded block groups) = 25 total filesystem object(s).
Heap Memory used 53.88 MB of 139 MB Heap Memory. Max Heap Memory is 860.5 MB.


Spark Master at spark://172.18.0.2:7077
URL: spark://172.18.0.2:7077
Alive Workers: 1
Cores in use: 4 Total, 0 Used
Memory in use: 2.8 GiB Total, 0.0 B Used
Resources in use:
Applications: 0 Running, 0 Completed
Drivers: 0 Running, 0 Completed
Status: ALIVE
Workers (1)
Worker Id
Address
State
Cores
Memory
Resources
worker-20251226182514-172.18.0.4-40125
172.18.0.4:40125
ALIVE
4 (0 Used)
2.8 GiB (0.0 B Used)
Running Applications (0)
Application ID
Name
Cores
Memory per Executor
Resources Per Executor
Submitted Time
User
State
Duration
Completed Applications (0)
Application ID
Name
Cores
Memory per Executor
Resources Per Executor
Submitted Time
User
State
Duration