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cloudera-quickstart-vm-5.4.2-0-virtualbox (Running) - Oracle VM VirtualBox
File Machine View Input Devices Help
Applications Places System
cloudera@quickstart:~
File Edit View Search Terminal Help
22/02/17 20:18:36 INFO mapreduce.Job: Job job_1644296922891_0001 completed successfully
22/02/17 20:18:36 INFO mapreduce.Job: Counters: 49
File System Counters
  FILE: Number of bytes read=610
  FILE: Number of bytes written=221801
  FILE: Number of read operations=0
  FILE: Number of large read operations=0
  FILE: Number of write operations=0
  HDFS: Number of bytes read=598
  HDFS: Number of bytes written=421
  HDFS: Number of read operations=0
  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)=11778
  Total time spent by all reduces in occupied slots (ms)=18251
  Total time spent by all map tasks (ms)=11778
  Total time spent by all reduce tasks (ms)=18251
  Total vcore-seconds taken by all map tasks=11778
  Total vcore-seconds taken by all reduce tasks=18251
  Total megabyte-seconds taken by all map tasks=12860672
  Total megabyte-seconds taken by all reduce tasks=18497824
Map-Reduce Framework
  Map input records=3
  Map output records=80
  Map output bytes=808
  Map output materialized bytes=610
  Input split bytes=109
  Combine input records=80
  Combine output records=46
  Reduce input groups=46
  Reduce shuffle bytes=610
  Reduce input records=46
  Reduce output records=46
  Spilled Records=92
  Shuffled Maps=1
  Failed Shuffles=0
  Merged Map outputs=1
  GC time elapsed (ms)=163
  CPU time spent (ms)=1850
  Physical memory (bytes) snapshot=326529024
  Virtual memory (bytes) snapshot=3807225856
  Total committed heap usage (bytes)=226365440
Shuffle Errors
  BAD_ID=0
  CONNECTION=0
  IO_ERROR=0
  WRONG_LENGTH=0
```

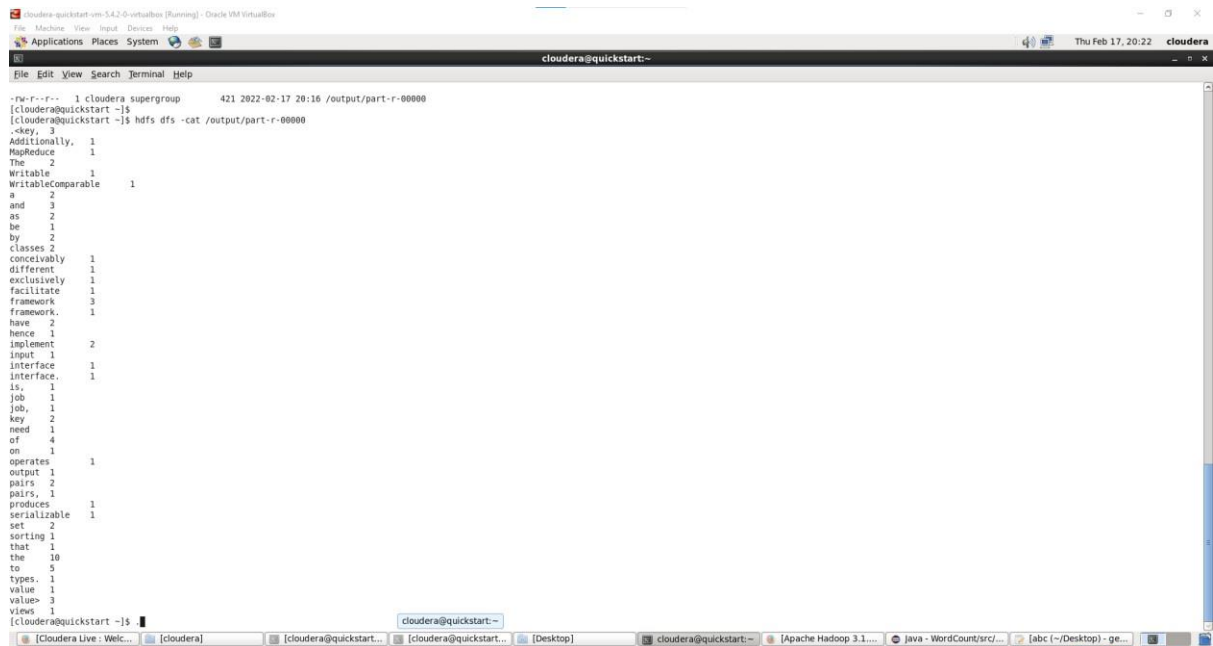
```
cloudera-quickstart-vm-5.4.2-0-virtualbox (Running) - Oracle VM VirtualBox
File Machine View Input Devices Help
Applications Places System
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File Edit View Search Terminal Help
CONNECTION=0
IO_ERROR=0
WRONG_LENGTH=0
WRONG_MAP=0
WRONG_REDUCE=0
File Input Format Counters
  Bytes Read=489
File Output Format Counters
  Bytes Written=421
[cloudera@quickstart ~]$ hdfs dfs -ls /
Found 8 items
drwxr-xr-x - hbase supergroup 0 2022-02-07 21:09 /hbase
drwxr-xr-x - cloudera supergroup 0 2022-02-17 20:13 /inputdir
drwxr-xr-x - cloudera supergroup 0 2022-02-17 20:16 /output
drwxr-xr-x - cloudera supergroup 0 2022-02-14 20:58 /rjc2122
drwxr-xr-x - solr solr 0 2015-06-09 03:38 /solr
drwxr-xr-x - hdfs supergroup 0 2022-02-07 21:10 /tmp
drwxr-xr-x - hdfs supergroup 0 2015-06-09 03:38 /user
drwxr-xr-x - hdfs supergroup 0 2015-06-09 03:36 /var
[cloudera@quickstart ~]$ hdfs dfs -ls /output
Found 2 items
-rw-r--r-- 1 cloudera supergroup 0 2022-02-17 20:16 /output/ SUCCESS
-rw-r--r-- 1 cloudera supergroup 421 2022-02-17 20:16 /output/part-r-00000
[cloudera@quickstart ~]$ hdfs dfs -ls /output/part-r-00000
-rw-r--r-- 1 cloudera supergroup 421 2022-02-17 20:16 /output/part-r-00000
[cloudera@quickstart ~]$ hdfs dfs -cat /output/part-r-00000
- key, 3
Additionally, 1
MapReduce 1
The 2
Writable 1
WritableComparable 1
a 2
and 3
as 2
be 1
by 2
classes 2
conceivably 1
different 1
exclusively 1
facilitate 1
framework 3
framework, 1
have 2
hence 1
implement 2
input 1
interface 1
```

Harish Shrinivas

Roll no:- 21

BDT PRAC 3

MSC DSAI



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cloudera@quickstart:~$ hdfs dfs -cat /output/part-r-00000
The 2
Additionally, 1
MapReduce 1
Writable 1
WritableComparable 1
a 2
and 3
as 2
be 1
by 2
classes 2
conceivably 1
different 1
exclusively 1
facilitate 1
framework 3
have 2
hence 1
implement 2
input 1
interface 1
interface. 1
is, 1
job 1
job, 1
key 2
need 1
of 4
on 1
operates 1
output 1
pairs 2
pairs, 1
produces 1
serializable 1
set 2
sorting 1
that 1
the 10
to 5
types. 1
value 1
value> 3
views 1
```