

TEMPERATURE AVERAGE

```
C:\WINDOWS\system32>cd c:\hadoop_new\sbin
```

```
c:\hadoop_new\sbin>start-all.cmd
```

This script is Deprecated. Instead use start-dfs.cmd and start-yarn.cmd
starting yarn daemons

```
c:\hadoop_new\sbin>cd c:\hadoop_new\share\hadoop\mapreduce
```

```
c:\hadoop_new\share\hadoop\mapreduce>hdfs dfs -mkdir /tempAverage
```

```
c:\hadoop_new\share\hadoop\mapreduce>hdfs dfs -put E:\Desktop\temp1.txt  
\tempAverage
```

```
c:\hadoop_new\share\hadoop\mapreduce>hdfs dfs -put E:\Desktop\temp2.txt  
\tempAverage
```

```
c:\hadoop_new\share\hadoop\mapreduce>hdfs dfs -cat \tempAverage\temp1.txt  
0067011990999991950051507004+68750+023550FM-12+038299999V0203301N0067  
1220001CN9999999N9+00001+99999999999  
0043011990999991950051512004+68750+023550FM-12+038299999V0203201N0067  
1220001CN9999999N9+00221+99999999999  
0043011990999991950051518004+68750+023550FM-12+038299999V0203201N0026  
1220001CN9999999N9-00111+99999999999  
0043012650999991949032412004+62300+010750FM-12+048599999V0202701N0046  
1220001CN0500001N9+01111+99999999999  
0043012650999991949032418004+62300+010750FM-12+048599999V0202701N0046  
1220001CN0500001N9+00781+99999999999
```

```
c:\hadoop_new\share\hadoop\mapreduce>hadoop jar  
E:\Desktop\temperatureAverage.jar temperature.AverageDriver \tempAverage  
\tempAverageOutput  
2021-05-10 14:31:05,036 INFO client.RMProxy: Connecting to ResourceManager at  
/0.0.0.0:8032  
2021-05-10 14:31:07,049 WARN mapreduce.JobResourceUploader: Hadoop  
command-line option parsing not performed. Implement the Tool interface and execute  
your application with ToolRunner to remedy this.  
2021-05-10 14:31:07,159 INFO mapreduce.JobResourceUploader: Disabling Erasure  
Coding for path: /tmp/hadoop-yarn/staging/Admin/.staging/job_1620636818881_0001
```

2021-05-10 14:31:08,149 INFO input.FileInputFormat: Total input files to process : 2
2021-05-10 14:31:08,697 INFO mapreduce.JobSubmitter: number of splits:2
2021-05-10 14:31:09,122 INFO Configuration.deprecation:
yarn.resourcemanager.system-metrics-publisher.enabled is deprecated. Instead, use
yarn.system-metrics-publisher.enabled
2021-05-10 14:31:10,026 INFO mapreduce.JobSubmitter: Submitting tokens for job:
job_1620636818881_0001
2021-05-10 14:31:10,031 INFO mapreduce.JobSubmitter: Executing with tokens: []
2021-05-10 14:31:10,923 INFO conf.Configuration: resource-types.xml not found
2021-05-10 14:31:10,924 INFO resource.ResourceUtils: Unable to find
'resource-types.xml'.
2021-05-10 14:31:11,755 INFO impl.YarnClientImpl: Submitted application
application_1620636818881_0001
2021-05-10 14:31:12,063 INFO mapreduce.Job: The url to track the job:
http://DESKTOP-CK14PFH:8088/proxy/application_1620636818881_0001/
2021-05-10 14:31:12,068 INFO mapreduce.Job: Running job:
job_1620636818881_0001
2021-05-10 14:31:43,855 INFO mapreduce.Job: Job job_1620636818881_0001
running in uber mode : false
2021-05-10 14:31:43,876 INFO mapreduce.Job: map 0% reduce 0%
2021-05-10 14:32:25,710 INFO mapreduce.Job: map 50% reduce 0%
2021-05-10 14:32:26,732 INFO mapreduce.Job: map 100% reduce 0%
2021-05-10 14:32:56,193 INFO mapreduce.Job: map 100% reduce 100%
2021-05-10 14:33:04,369 INFO mapreduce.Job: Job job_1620636818881_0001
completed successfully
2021-05-10 14:33:04,843 INFO mapreduce.Job: Counters: 53
File System Counters
FILE: Number of bytes read=72265
FILE: Number of bytes written=784759
FILE: Number of read operations=0
FILE: Number of large read operations=0
FILE: Number of write operations=0
HDFS: Number of bytes read=895504
HDFS: Number of bytes written=23
HDFS: Number of read operations=11
HDFS: Number of large read operations=0
HDFS: Number of write operations=2
Job Counters
Launched map tasks=2
Launched reduce tasks=1

Data-local map tasks=2
Total time spent by all maps in occupied slots (ms)=79302
Total time spent by all reduces in occupied slots (ms)=27416
Total time spent by all map tasks (ms)=79302
Total time spent by all reduce tasks (ms)=27416
Total vcore-milliseconds taken by all map tasks=79302
Total vcore-milliseconds taken by all reduce tasks=27416
Total megabyte-milliseconds taken by all map tasks=81205248
Total megabyte-milliseconds taken by all reduce tasks=28073984

Map-Reduce Framework

Map input records=6570
Map output records=6569
Map output bytes=59121
Map output materialized bytes=72271
Input split bytes=216
Combine input records=0
Combine output records=0
Reduce input groups=3
Reduce shuffle bytes=72271
Reduce input records=6569
Reduce output records=3
Spilled Records=13138
Shuffled Maps =2
Failed Shuffles=0
Merged Map outputs=2
GC time elapsed (ms)=350
CPU time spent (ms)=7667
Physical memory (bytes) snapshot=689139712
Virtual memory (bytes) snapshot=854798336
Total committed heap usage (bytes)=381157376
Peak Map Physical memory (bytes)=250327040
Peak Map Virtual memory (bytes)=309706752
Peak Reduce Physical memory (bytes)=190980096
Peak Reduce Virtual memory (bytes)=244252672

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=895288
File Output Format Counters
Bytes Written=23

```
c:\hadoop_new\share\hadoop\mapreduce>hdfs dfs -ls \tempAverageOutput
```

Found 2 items

```
-rw-r--r--  1 Admin supergroup      0 2021-05-10 14:32  
/tempAverageOutput/_SUCCESS  
-rw-r--r--  1 Admin supergroup    23 2021-05-10 14:32  
/tempAverageOutput/part-r-00000
```

```
c:\hadoop_new\share\hadoop\mapreduce>hdfs dfs -cat
```

```
\tempAverageOutput\part-r-00000
```

```
1901  46
```

```
1949  94
```

```
1950   3
```