

```
hadoop@yadhresh-Lenovo-IdeaPad-S145-15IKB:~/durvesh$ cd ..
hadoop@yadhresh-Lenovo-IdeaPad-S145-15IKB:~$ ssh localhost
Welcome to Ubuntu 22.04.4 LTS (GNU/Linux 6.5.0-28-generic x86_64)
```

- * Documentation: <https://help.ubuntu.com>
- * Management: <https://landscape.canonical.com>
- * Support: <https://ubuntu.com/pro>

Expanded Security Maintenance for Applications is not enabled.

3 updates can be applied immediately.
2 of these updates are standard security updates.
To see these additional updates run: `apt list --upgradable`

2 additional security updates can be applied with ESM Apps.
Learn more about enabling ESM Apps service at <https://ubuntu.com/esm>

1 updates could not be installed automatically. For more details,
see `/var/log/unattended-upgrades/unattended-upgrades.log`
Last login: Wed May 1 01:43:10 2024 from 127.0.0.1

```
hadoop@yadhresh-Lenovo-IdeaPad-S145-15IKB:~$ start-all.sh
```

WARNING: Attempting to start all Apache Hadoop daemons as hadoop in 10 seconds.

WARNING: This is not a recommended production deployment configuration.

WARNING: Use CTRL-C to abort.

Starting namenodes on [localhost]

Starting datanodes

Starting secondary namenodes [yadhresh-Lenovo-IdeaPad-S145-15IKB]

2024-05-01 02:12:54,554 WARN util.NativeCodeLoader: Unable to load native-hadoop library for your platform... using builtin-java classes where applicable

Starting resource manager

Starting node managers

```
hadoop@yadhresh-Lenovo-IdeaPad-S145-15IKB:~$ hadoop fs -mkdir weathery
```

2024-05-01 02:13:45,448 WARN util.NativeCodeLoader: Unable to load native-hadoop library for your platform... using builtin-java classes where applicable

```
hadoop@yadhresh-Lenovo-IdeaPad-S145-15IKB:~$ hadoop fs -mkdir weathery/input
```

2024-05-01 02:13:55,685 WARN util.NativeCodeLoader: Unable to load native-hadoop library for your platform... using builtin-java classes where applicable

```
hadoop@yadhresh-Lenovo-IdeaPad-S145-15IKB:~$ export HADOOP_CLASSPATH=$(hadoop classpath)
```

```
hadoop@yadhresh-Lenovo-IdeaPad-S145-15IKB:~$ echo ${HADOOP_CLASSPATH}
```

/home/hadoop/hadoop-3.3.6/etc/hadoop:/home/hadoop/hadoop-3.3.6/share/hadoop/common/lib/*:/home/hadoop/hadoop-3.3.6/share/hadoop/common/*:/home/hadoop/hadoop-3.3.6/share/hadoop/hdfs:/home/hadoop/hadoop-3.3.6/share/hadoop/hdfs/lib/*:/home/hadoop/hadoop-3.3.6/share/hadoop/hdfs/*:/home/hadoop/hadoop-3.3.6/share/hadoop/mapreduce/*:/home/hadoop/hadoop-3.3.6/share/hadoop/yarn:/home/hadoop/hadoop-3.3.6/share/hadoop/yarn/lib/*:/home/hadoop/hadoop-3.3.6/share/hadoop/yarn/*:/usr/lib/jvm/java-8-openjdk-amd64/lib/tools.jar

```
hadoop@yadhresh-Lenovo-IdeaPad-S145-15IKB:~$ hadoop fs -put
```

'/home/hadoop/sample_weather.txt'> weathery/input

2024-05-01 02:15:12,274 WARN util.NativeCodeLoader: Unable to load native-hadoop library for your platform... using builtin-java classes where applicable

```
hadoop@yadhresh-Lenovo-IdeaPad-S145-15IKB:~$ javac -classpath ${HADOOP_CLASSPATH} -d weathery /home/hadoop/WeatherDataAverage.java
```

```
hadoop@yadhresh-Lenovo-IdeaPad-S145-15IKB:~$ cd weathery
```

```
hadoop@yadhresh-Lenovo-IdeaPad-S145-15IKB:~/weathery$ jar -cvf weather.jar -C
```

/home/hadoop/weathery .

added manifest

adding: WeatherDataAverage.class(in = 1685) (out= 870)(deflated 48%)

adding: WeatherDataAverage\$TokenizerMapper.class(in = 2022) (out= 867)(deflated 57%)

adding: WeatherDataAverage\$FloatAverageReducer.class(in = 1807) (out= 767) (deflated 57%)

```
hdoop@yadhresh-Lenovo-IdeaPad-S145-15IKB:~/weather$ hadoop jar
'~/home/hdoop/weather/weather.jar'; weatherDataAverage weathery/input
weathery/output
2024-05-01 02:20:12,730 WARN util.NativeCodeLoader: Unable to load native-hadoop
library for your platform... using builtin-java classes where applicable
2024-05-01 02:20:14,575 INFO client.DefaultNoHARMFailoverProxyProvider:
Connecting to ResourceManager at /127.0.0.1:8032
2024-05-01 02:20:15,844 WARN mapreduce.JobResourceUploader: Hadoop command-line
option parsing not performed. Implement the Tool interface and execute your
application with ToolRunner to remedy this.
2024-05-01 02:20:16,029 INFO mapreduce.JobResourceUploader: Disabling Erasure
Coding for path: /tmp/hadoop-yarn/staging/hdoop/.staging/job_1714509788964_0001
2024-05-01 02:20:17,917 INFO input.FileInputFormat: Total input files to process
: 1
2024-05-01 02:20:18,600 INFO mapreduce.JobSubmitter: number of splits:1
2024-05-01 02:20:19,785 INFO mapreduce.JobSubmitter: Submitting tokens for job:
job_1714509788964_0001
2024-05-01 02:20:19,786 INFO mapreduce.JobSubmitter: Executing with tokens: []
2024-05-01 02:20:20,963 INFO conf.Configuration: resource-types.xml not found
2024-05-01 02:20:20,963 INFO resource.ResourceUtils: Unable to find
'resource-types.xml';
2024-05-01 02:20:21,594 INFO impl.YarnClientImpl: Submitted application
application_1714509788964_0001
2024-05-01 02:20:21,703 INFO mapreduce.Job: The url to track the job:
http://yadhresh-Lenovo-IdeaPad-S145-15IKB:8088/proxy/application_1714509788964_0
001/
2024-05-01 02:20:21,705 INFO mapreduce.Job: Running job: job_1714509788964_0001
2024-05-01 02:20:54,368 INFO mapreduce.Job: Job job_1714509788964_0001 running
in uber mode : false
2024-05-01 02:20:54,371 INFO mapreduce.Job: map 0% reduce 0%
2024-05-01 02:21:03,543 INFO mapreduce.Job: map 100% reduce 0%
2024-05-01 02:21:10,617 INFO mapreduce.Job: map 100% reduce 100%
2024-05-01 02:21:15,698 INFO mapreduce.Job: Job job_1714509788964_0001 completed
successfully
2024-05-01 02:21:15,859 INFO mapreduce.Job: Counters: 54
    File System Counters
        FILE: Number of bytes read=4710
        FILE: Number of bytes written=562199
        FILE: Number of read operations=0
        FILE: Number of large read operations=0
        FILE: Number of write operations=0
        HDFS: Number of bytes read=1901
        HDFS: Number of bytes written=60
        HDFS: Number of read operations=8
        HDFS: Number of large read operations=0
        HDFS: Number of write operations=2
        HDFS: Number of bytes read erasure-coded=0
    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)=6177
        Total time spent by all reduces in occupied slots (ms)=4547
        Total time spent by all map tasks (ms)=6177
        Total time spent by all reduce tasks (ms)=4547
        Total vcore-milliseconds taken by all map tasks=6177
        Total vcore-milliseconds taken by all reduce tasks=4547
        Total megabyte-milliseconds taken by all map tasks=6325248
        Total megabyte-milliseconds taken by all reduce tasks=4656128
    Map-Reduce Framework
        Map input records=96
        Map output records=288
        Map output bytes=4128
        Map output materialized bytes=4710
```

```
Input split bytes=131
Combine input records=0
Combine output records=0
Reduce input groups=3
Reduce shuffle bytes=4710
Reduce input records=288
Reduce output records=3
Spilled Records=576
Shuffled Maps =1
Failed Shuffles=0
Merged Map outputs=1
GC time elapsed (ms)=161
CPU time spent (ms)=2110
Physical memory (bytes) snapshot=551534592
Virtual memory (bytes) snapshot=5102338048
Total committed heap usage (bytes)=406323200
Peak Map Physical memory (bytes)=338092032
Peak Map Virtual memory (bytes)=2551881728
Peak Reduce Physical memory (bytes)=213442560
Peak Reduce Virtual memory (bytes)=2550456320
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=1770
File Output Format Counters
  Bytes Written=60
```

```
hadoop@yadhresh-Lenovo-IdeaPad-S145-15IKB:~/weather$ hadoop fs -cat
```

```
weathery/output/*
```

```
2024-05-01 02:21:51,206 WARN util.NativeCodeLoader: Unable to load native-hadoop
library for your platform... using builtin-java classes where applicable
```

```
DewPoint      59.99005
Temperature    53.58261
WindSpeed      1009.55023
```

```
hadoop@yadhresh-Lenovo-IdeaPad-S145-15IKB:~/weather$
```