Srishti Rathi
1BM17CS104
Hadoop_average_program

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hduser@ubuntu-virtual-machine: /usr/local/hadoop

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```
ubuntu@ubuntu-virtual-machine:~$ su hduser
Password:
hduser@ubuntu-virtual-machine:/home/ubuntu$ cd /
hduser@ubuntu-virtual-machine:/$ cd /usr/local/hadoop/sbin
hduser@ubuntu-virtual-machine:/usr/local/hadoop/sbin$ ./start-dfs.sh
WARNING: An illegal reflective access operation has occurred
WARNING: Illegal reflective access by org.apache.hadoop.security.authentication.
util.KerberosUtil (file:/usr/local/hadoop/share/hadoop/common/lib/hadoop-auth-2.
6.0.jar) to method sun.security.krb5.Config.getInstance()
WARNING: Please consider reporting this to the maintainers of org.apache.hadoop.
security.authentication.util.KerberosUtil
WARNING: Use --illegal-access=warn to enable warnings of further illegal reflect
ive access operations
WARNING: All illegal access operations will be denied in a future release
20/12/14 14:55:37 WARN util.NativeCodeLoader: Unable to load native-hadoop libra
ry for your platform... using builtin-java classes where applicable
Starting namenodes on [localhost]
localhost: starting namenode, logging to /usr/local/hadoop/logs/hadoop-hduser-na
menode-ubuntu-virtual-machine.out
localhost: starting datanode, logging to /usr/local/hadoop/logs/hadoop-hduser-da
tanode-ubuntu-virtual-machine.out
Starting secondary namenodes [0.0.0.0]
0.0.0.0: starting secondarynamenode, logging to /usr/local/hadoop/logs/hadoop-hd
user-secondarynamenode-ubuntu-virtual-machine.out
```

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ry for your platform... using builtin-java classes where applicable
hduser@ubuntu-virtual-machine:/usr/local/hadoop/sbin$ ./start-yarn.sh
starting yarn daemons
starting resourcemanager, logging to /usr/local/hadoop/logs/yarn-hduser-resource
manager-ubuntu-virtual-machine.out
localhost: starting nodemanager, logging to /usr/local/hadoop/logs/yarn-hduser-n
odemanager-ubuntu-virtual-machine.out
hduser@ubuntu-virtual-machine:/usr/local/hadoop/sbin$ jps
4404 Jps
3383 NameNode
3735 SecondaryNameNode
4103 NodeManager
3948 ResourceManager
3532 DataNode
hduser@ubuntu-virtual-machine:/usr/local/hadoop/sbin$ cd ..
hduser@ubuntu-virtual-machine:/usr/local/hadoop$ hadoop fs -ls /
WARNING: An illegal reflective access operation has occurred
WARNING: Illegal reflective access by org.apache.hadoop.security.authentication.
util.KerberosUtil (file:/usr/local/hadoop/share/hadoop/common/lib/hadoop-auth-2.
6.0.jar) to method sun.security.krb5.Config.getInstance()
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ive access operations
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```



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hduser@ubuntu-virtual-machine:/usr/local/hadoop$ hadoop fs -copyFromLocal /home/
ubuntu/average/1901 /rgs1/test2.txt
WARNING: An illegal reflective access operation has occurred
WARNING: Illegal reflective access by org.apache.hadoop.security.authentication.
util.KerberosUtil (file:/usr/local/hadoop/share/hadoop/common/lib/hadoop-auth-2.
6.0.jar) to method sun.security.krb5.Config.getInstance()
WARNING: Please consider reporting this to the maintainers of org.apache.hadoop.
security.authentication.util.KerberosUtil
WARNING: Use --illegal-access=warn to enable warnings of further illegal reflect
ive access operations
WARNING: All illegal access operations will be denied in a future release
20/12/14 15:11:00 WARN util.NativeCodeLoader: Unable to load native-hadoop libra
ry for your platform... using builtin-java classes where applicable
```

```
hduser@ubuntu-virtual-machine: /usr/local/hadoop

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hduser@ubuntu-virtual-machine:/usr/local/hadoop$ hadoop jar /home/ubuntu/average
/Average.jar AverageDriver /rgs1/test2.txt /rgs1/output2
WARNING: An illegal reflective access operation has occurred
WARNING: Illegal reflective access by org.apache.hadoop.security.authentication.
util.KerberosUtil (file:/usr/local/hadoop/share/hadoop/common/lib/hadoop-auth-2.
6.0.jar) to method sun.security.krb5.Config.getInstance()
WARNING: Please consider reporting this to the maintainers of org.apache.hadoop.
security.authentication.util.KerberosUtil
WARNING: Use --illegal-access=warn to enable warnings of further illegal reflect
ive access operations
WARNING: All illegal access operations will be denied in a future release
20/12/14 15:44:05 WARN util.NativeCodeLoader: Unable to load native-hadoop libra
ry for your platform... using builtin-java classes where applicable
20/12/14 15:44:07 INFO Configuration.deprecation: session.id is deprecated. Inst
ead, use dfs.metrics.session-id
20/12/14 15:44:07 INFO jvm.JvmMetrics: Initializing JVM Metrics with processName
=JobTracker, sessionId=
20/12/14 15:44:11 WARN mapreduce.JobSubmitter: Hadoop command-line option parsin
g not performed. Implement the Tool interface and execute your application with
ToolRunner to remedy this.
20/12/14 15:44:11 INFO input.FileInputFormat: Total input paths to process : 1
20/12/14 15:44:13 INFO mapreduce.JobSubmitter: number of splits:1
20/12/14 15:44:18 INFO mapreduce.JobSubmitter: Submitting tokens for job: job_lo
cal2119245055_0001
```

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```
        Bytes Read=888190
        File Output Format Counters
                Bytes Written=8
hduser@ubuntu-virtual-machine:/usr/local/hadoop$ hadoop fs -ls /rgs1
WARNING: An illegal reflective access operation has occurred
WARNING: Illegal reflective access by org.apache.hadoop.security.authentication.
util.KerberosUtil (file:/usr/local/hadoop/share/hadoop/common/lib/hadoop-auth-2.
6.0.jar) to method sun.security.krb5.Config.getInstance()
WARNING: Please consider reporting this to the maintainers of org.apache.hadoop.
security.authentication.util.KerberosUtil
WARNING: Use --illegal-access=warn to enable warnings of further illegal reflect
ive access operations
WARNING: All illegal access operations will be denied in a future release
20/12/14 15:45:18 WARN util.NativeCodeLoader: Unable to load native-hadoop libra
ry for your platform... using builtin-java classes where applicable
Found 4 items
drwxr-xr-x   - hduser supergroup          0 2020-12-13 21:18 /rgs1/output
drwxr-xr-x   - hduser supergroup          0 2020-12-14 15:44 /rgs1/output2
-rw-r--r--   1 hduser supergroup         92 2020-12-13 21:18 /rgs1/test.txt
-rw-r--r--   1 hduser supergroup     888190 2020-12-14 15:11 /rgs1/test2.txt
hduser@ubuntu-virtual-machine:/usr/local/hadoop$ hadoop fs -ls /rgs1/output2
WARNING: An illegal reflective access operation has occurred
WARNING: Illegal reflective access by org.apache.hadoop.security.authentication.
util.KerberosUtil (file:/usr/local/hadoop/share/hadoop/common/lib/hadoop-auth-2.
```

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```
WARNING: Please consider reporting this to the maintainers of org.apache.hadoop.
security.authentication.util.KerberosUtil
WARNING: Use --illegal-access=warn to enable warnings of further illegal reflect
ive access operations
WARNING: All illegal access operations will be denied in a future release
20/12/14 15:50:08 WARN util.NativeCodeLoader: Unable to load native-hadoop libra
ry for your platform... using builtin-java classes where applicable
-rw-r--r--   1 hduser supergroup          8 2020-12-14 15:44 /rgs1/output2/part-
r-00000
hduser@ubuntu-virtual-machine:/usr/local/hadoop$ hadoop fs -cat /rgs1/output2/pa
rt-r-00000
WARNING: An illegal reflective access operation has occurred
WARNING: Illegal reflective access by org.apache.hadoop.security.authentication.
util.KerberosUtil (file:/usr/local/hadoop/share/hadoop/common/lib/hadoop-auth-2.
6.0.jar) to method sun.security.krb5.Config.getInstance()
WARNING: Please consider reporting this to the maintainers of org.apache.hadoop.
security.authentication.util.KerberosUtil
WARNING: Use --illegal-access=warn to enable warnings of further illegal reflect
ive access operations
WARNING: All illegal access operations will be denied in a future release
20/12/14 15:50:42 WARN util.NativeCodeLoader: Unable to load native-hadoop libra
ry for your platform... using builtin-java classes where applicable
1901    46
hduser@ubuntu-virtual-machine:/usr/local/hadoop$ ./stop-all.sh
```