Maura Cullen

W205 Spring

Lab 2 Submission

1. List the HDFS contents of /user

[w205@ip-172-31-60-226 ~]$ hdfs dfs -ls /user/w205

Found 1 items

-rw-r--r--   1 w205 supergroup        693 2017-05-22 03:08 /user/w205/derby.log

[w205@ip-172-31-60-226 ~]$ hdfs dfs -ls /user

Found 8 items

drwxr-xr-x   - mapred  supergroup          0 2017-05-22 02:54 /user/history

drwxrwxrwx   - hive    supergroup          0 2017-05-22 02:54 /user/hive

drwxrwxrwx   - hue     supergroup          0 2017-05-22 02:55 /user/hue

drwxrwxrwx   - jenkins supergroup          0 2017-05-22 02:54 /user/jenkins

drwxrwxrwx   - oozie   supergroup          0 2017-05-22 02:56 /user/oozie

drwxrwxrwx   - root    supergroup          0 2017-05-22 02:55 /user/root

drwxr-xr-x   - hdfs    supergroup          0 2017-05-22 02:58 /user/spark

drwxr-xr-x   - w205    supergroup          0 2017-05-22 03:08 /user/w205

1. Inspect the output of the HDFS admin report and answer the following questions in a text file.
   * Q1: How many live datanodes are there? 1 node
   * Q2: How much non-DFS storage is used? 8160149504 (7.60 GB)
   * Q3: How much DFS storage is used? 0.09% (143519744 (136.87 MB)

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starting historyserver, logging to /var/log/hadoop-mapreduce/mapred-mapred-historyserver-ip-172-31-60-226.out

Started Hadoop historyserver:                              [  OK  ]

[root@ip-172-31-60-226 ~]# sudo -u hdfs hdfs dfsadmin -report

Configured Capacity: 158399967232 (147.52 GB)

Present Capacity: 150239817728 (139.92 GB)

DFS Remaining: 150096297984 (139.79 GB)

DFS Used: 143519744 (136.87 MB)

DFS Used%: 0.10%

Under replicated blocks: 0

Blocks with corrupt replicas: 0

Missing blocks: 0

Missing blocks (with replication factor 1): 0

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Live datanodes (1):

Name: 127.0.0.1:50010 (localhost)

Hostname: ip-172-31-60-226.ec2.internal

Decommission Status : Normal

Configured Capacity: 158399967232 (147.52 GB)

DFS Used: 143519744 (136.87 MB)

Non DFS Used: 8160149504 (7.60 GB)

DFS Remaining: 150096297984 (139.79 GB)

DFS Used%: 0.09%

DFS Remaining%: 94.76%

Configured Cache Capacity: 0 (0 B)

Cache Used: 0 (0 B)

Cache Remaining: 0 (0 B)

Cache Used%: 100.00%

Cache Remaining%: 0.00%

Xceivers: 2

Last contact: Mon May 22 03:24:23 UTC 2017