Downloaded Hadoop 2.8.0

Env vaiables "Java home" "Hadoop Home" added

Path la Directory add pannom

Hadoop folder -> New folder "Data"

Data -> New folder "datanode", "namenode"

hadoop 2.8.0 -> etc - > hadoop ->

1. core-site.xml - within configuration tag

<property>

<name>fs.defaultFS</name>

<value>hdfs://localhost:9000</value>

</property>

2. mapred-site.xml

<property>

<name>mapreduce.framework.name</name>

<value>yarn</value>

</property>

3.hdfs-site.xml

<property>

<name>dfs.replication</name>

<value>1</value>

</property>

<property>

<name>dfs.namenode.name.dir</name>

<value>/C:\hadoop-2.8.0\data\namenode</value>

</property>

<name>dfs.datanode.data.dir</name>

<value>/C:\hadoop-2.8.0\data\datanode</value>

</property>

4. yan-site.xml

<property>

<name>yarn.nodemanager.aux-services</name>

<value>mapreduce\_shuffle</value>

</property>

<property>

<name>yarn.nodemanager.auxservices.mapreduce.shuffle.class</name>

<value>org.apache.hadoop.mapred.ShuffleHandler</value>

</property>

5. hadoop-env.xml

@rem The java implementation to use. Required.

set JAVA\_HOME=> C:\Java\jdk1.8.0\_111

6. Copy files from hadoop configuration/bin/ all

to hadoop 2.8.0/bin/ replace

How to run

1. cmd - run as administrator

2. cmd #1 - hdfs namenode -format

3. cd

4. cd <path of hadoop 2.80 / repository / sbin>

5. start -all.cmd

Go to localhost/8088

------------------Installatio of Hadoop--------------------------------

------------------Map Reduce--------------------------------------------

OPen NetBeans

Create Project -> Java Applicaion

project right click -> Properties -> left la libraies -> add 5 jar

Graphical user interface, text

Description automatically generated

Create a file wordcount.txt add testtext there

Open cmd s admin

Cmd #1 cd <Hadoop 2.8.0 / bin>

Cmd #2 hdfs namenode -format

Cmd #3 cd sbin

Cmd #4 start -all.cmd

Cmd #5 jps

Go to localhost:8088

Go to localhost:50070

Cd/

Hadoop dfsadmin -safemode leave OP: Safemode is OFF

Hadoop fs -mkdir /input\_dir OP: Access Denied

Hadoop fs -put C:/wordcount.txt /input\_dir OP: access deied

Hadoop dfs – cat /input\_dir OP : Access denied x2

Hadooop fs -ls /input\_dir OP: shows textcount file name

Hadoop dfs – cat /input\_dir/wordcount.txt OP: cotents of wordcount.txt

Hadoop jar C:/MapReduceClient.jar wordcount /input\_dir /output\_dir (Takes time)

Hadoop dfs -cat /output\_dir/\* OP: gives wordcount

Go to localhost:8088 Check if wordcount file is displayed

Stop -all.cmd OP: To stop all running cmds