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   User and gorup mapping In HDFS
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1. In order to access hadoop we need to set hadoop related environment
variables in globalay



sudo vi /etc/environment

#Java path
export JAVA_HOME=/usr/lib/jvm/jdk1.8.0_71
export JRE_HOME=/usr/lib/jvm/jdk1.8.0_71/jre/
export HADOOP_PREFIX=/usr/local/hadoop
export HADOOP_HOME=/usr/local/hadoop
export HADOOP_MAPRED_HOME=${HADOOP_HOME}
export HADOOP_COMMON_HOME=${HADOOP_HOME}
export HADOOP_HDFS_HOME=${HADOOP_HOME}
export YARN_HOME=${HADOOP_HOME}
export HADOOP_CONF_DIR=${HADOOP_HOME}/etc/hadoop


2. Crete new user and group in linux
groupadd dev
useradd -g dev dev1
passwd dev1

3. swith user as newly cretaed user and try to create hadoop home directory


 su dev1
 hadoop fs -mkdir /user/dev1
 (u will get a permission issue to create this step)

 4. swith as hadoop super user (hdsuer)

 hadoop fs -mkdir /user/dev1
 hdfs dfs -chown -R dev1:dev /user/dev1
 hdfs dfsadmin -refreshUserToGroupsMappings




   Set Quota In HDFS
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1. Set directory quota and create more than 3 directories in it.
su hduser
hadoop dfsadmin -setQuota 3 /user/dev1

su dev1
hadoop fs -mkdir test1
hadoop fs -mkdir test2
hadoop fs -mkdir test3

2. hadoop fs -count -q -v /user/dev1
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3. If wer want to clear the quota run the below command

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hadoop dfsadmin -clrQuota /user/dev1
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