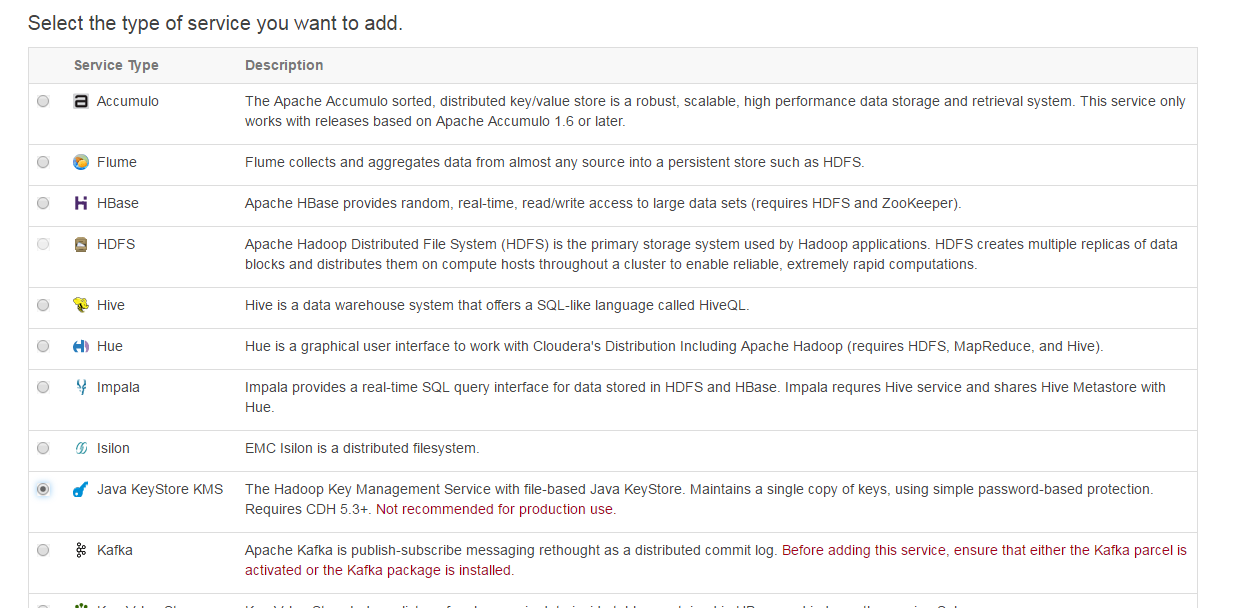
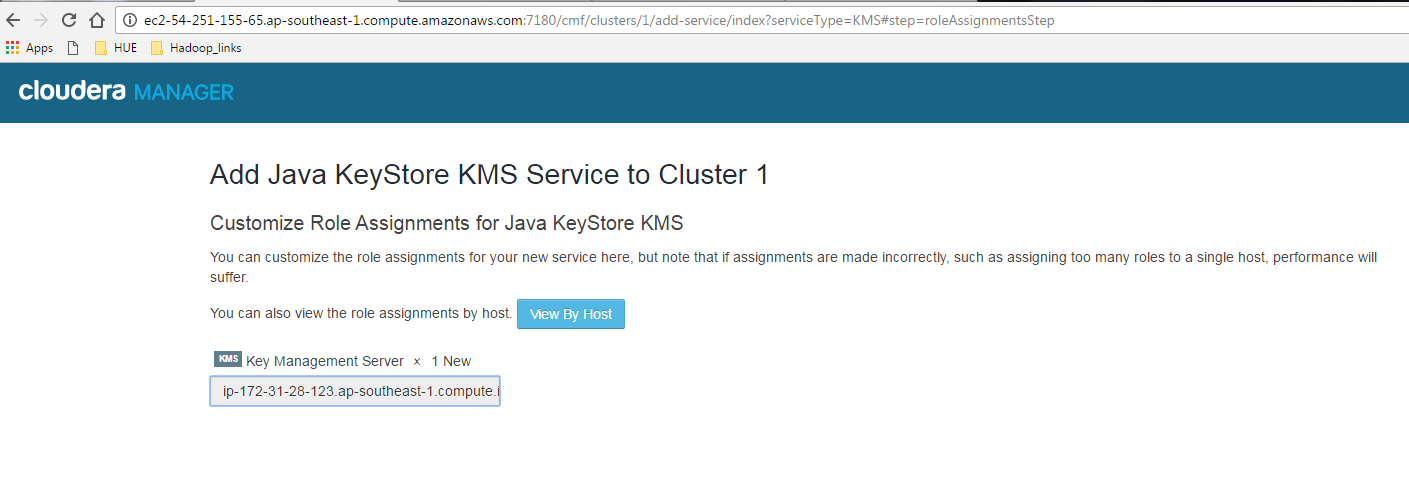
**HDFS Transparent Encryption using Java KeyStore KMS**

Add Java KeyStore KMS service

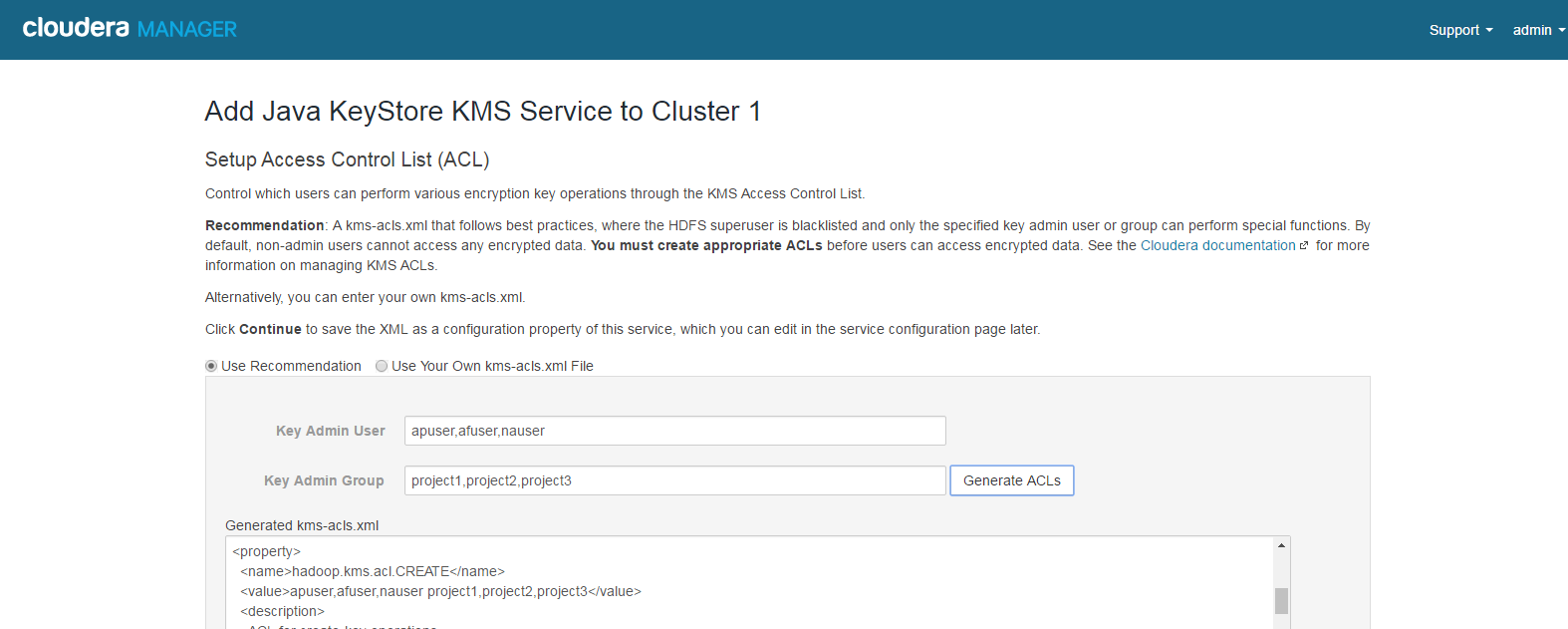
Cloudera Manager Home -> Cluster \_Name -> Add Service

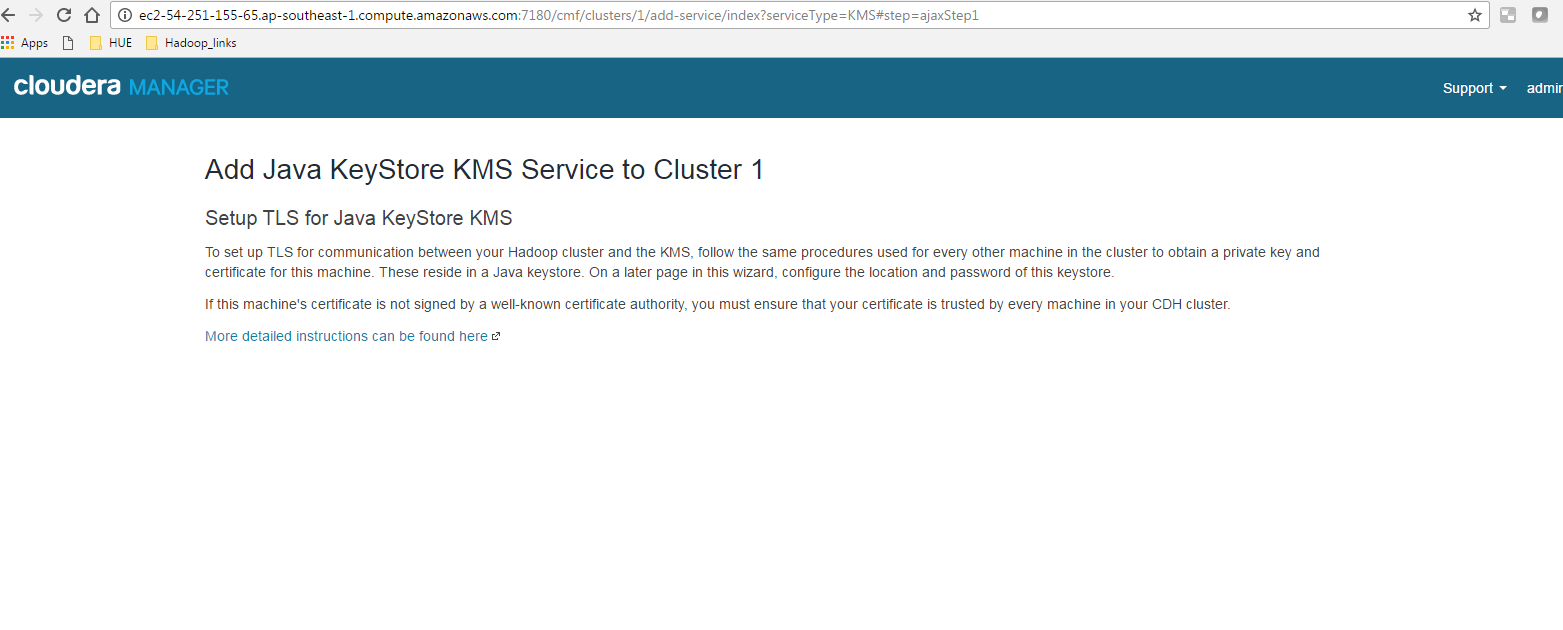


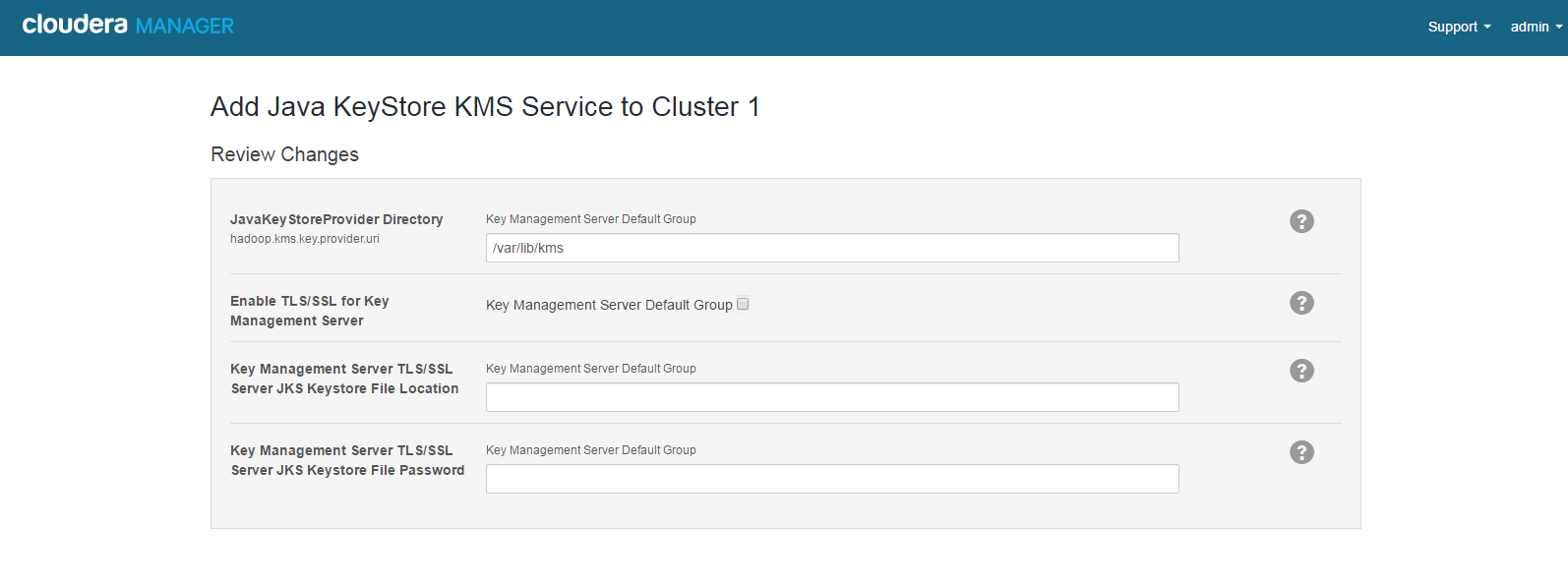
Select Java KeyStore KMS select the host name on which service need to install .



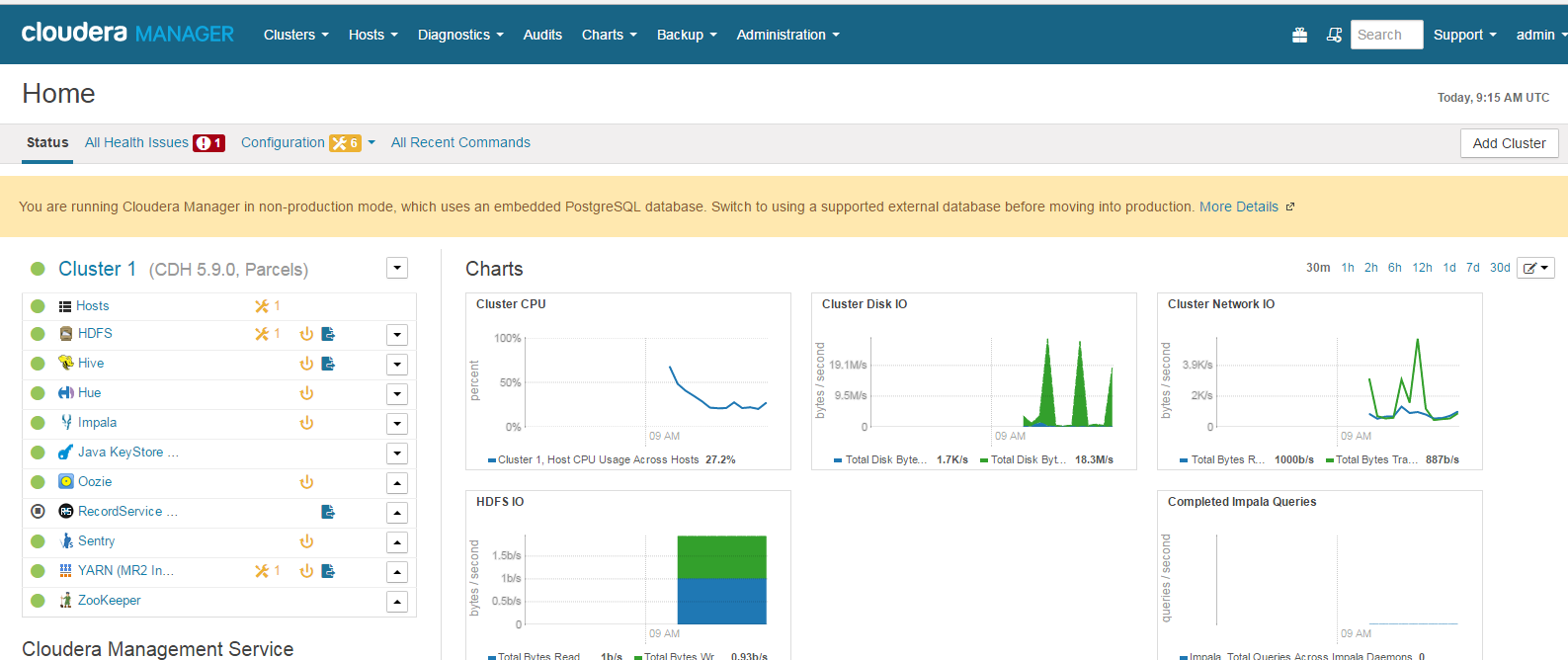
Add the list of users /groups for encryption key operations



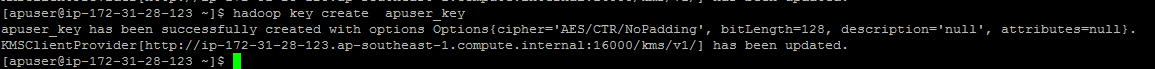




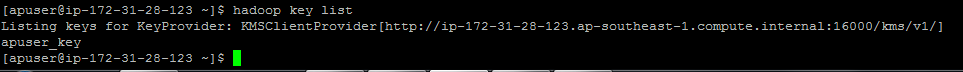
Start Java Key store Service .



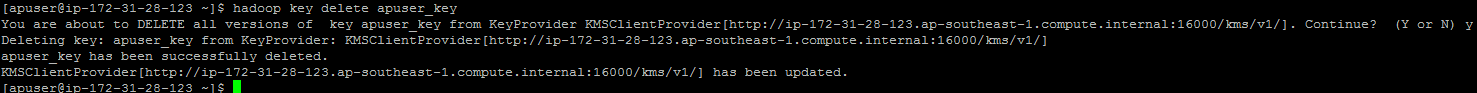
Create a new key



List the created keys



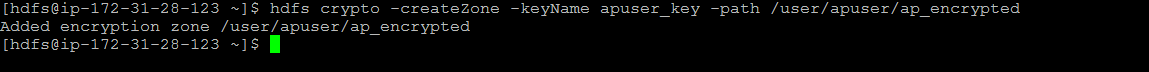
Delete existing key



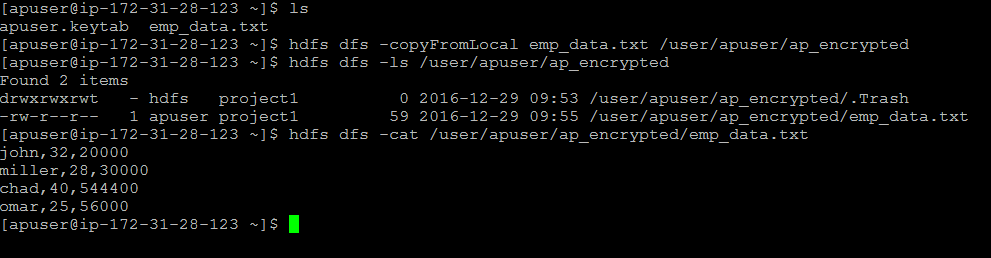
Create a new directory



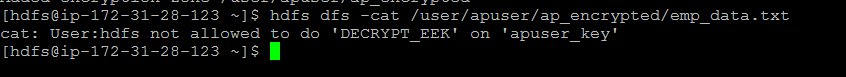
Login as super user ( hdfs ) and execute following command to create encryption zone.



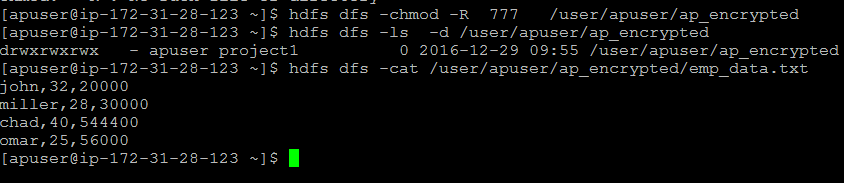
Login as apuser(owner of the created encryption key) copy some files to encrypted zone



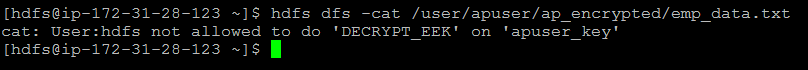
Login as admin user( hdfs ) and try to read the files from encrypted zone



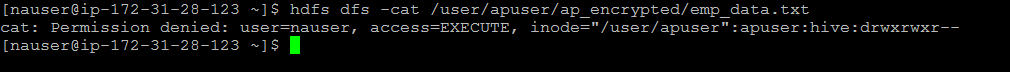
Change the permission of encrypted zone to 777 , still others won’t be able to view the contents



Admin user getting following error



Other user also not able to access



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