**Cloudera Installation with Kerberos**

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Install Cloudera:

Open url : <http://archive.cloudera.com/cm5/installer/latest/>

#wget <http://archive.cloudera.com/cm5/installer/latest/cloudera-manager-installer.bin>

#chmod 755 cloudera-manager-installer.bin

#./cloudera-manager-installer.bin

#ps -ef |grep cloudera

#clush -ab "echo never > /sys/kernel/mm/transparent\_hugepage/defrag"

#clush -ab "echo never > /sys/kernel/mm/transparent\_hugepage/enabled"

#clush -ab "echo 10 > /proc/sys/vm/swappiness"

In Master

#yum -y install krb5-server krb5-libs krb5-workstation

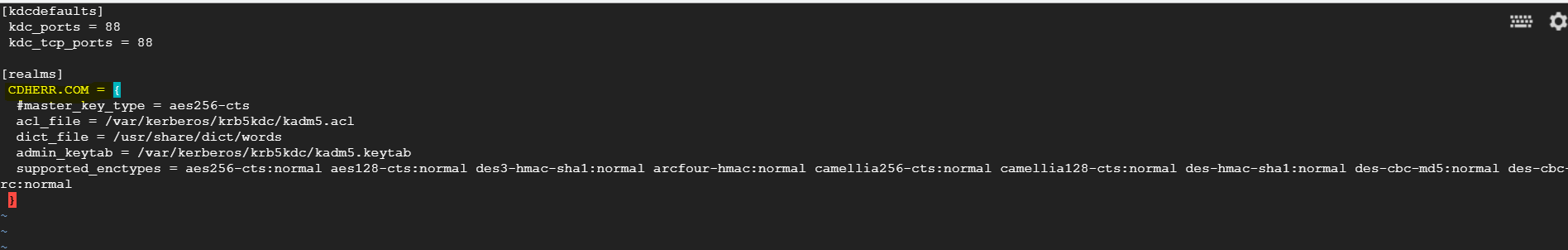
#clush -ab 'rpm -qa | grep krb'

Change in Config file:

#vim /var/kerberos/krb5kdc/kdc.conf

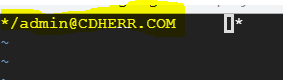
Change the realms below :

Eq. CDHERR.COM



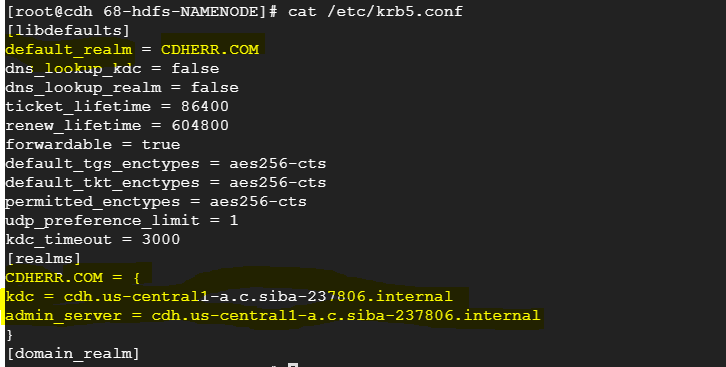
Change in below config

#vim /var/kerberos/krb5kdc/kadm5.acl



Change in config file

vim /etc/krb5.conf



Copy ‘krb5.conf’ file to all slave nodes:

#clush -ab --copy /etc/krb5.conf --dest /etc/krb5.conf

Create kerboros database:

#kdb5\_util create -r CDHERR.COM -s

Service need to be on:

service krb5kdc start

service krb5kdc status

service kadmin start

service kadmin status

Create User with password:

#kadmin.local -q "addprinc admin/admin"

Check the TGT details:

#klist

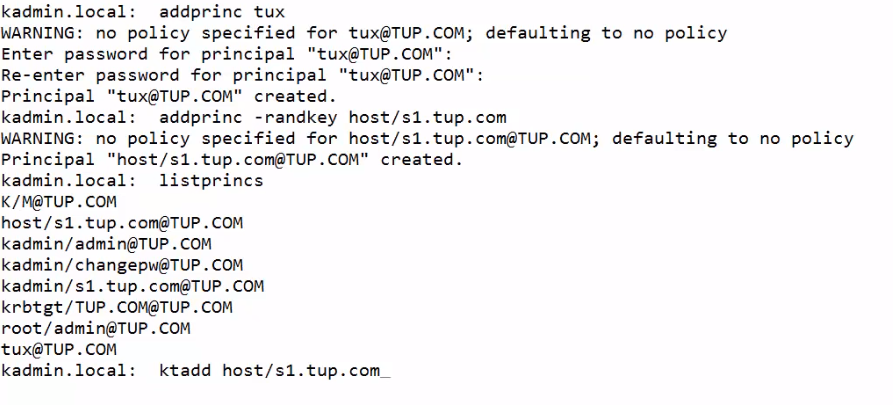
Generate the ticket(TGS):

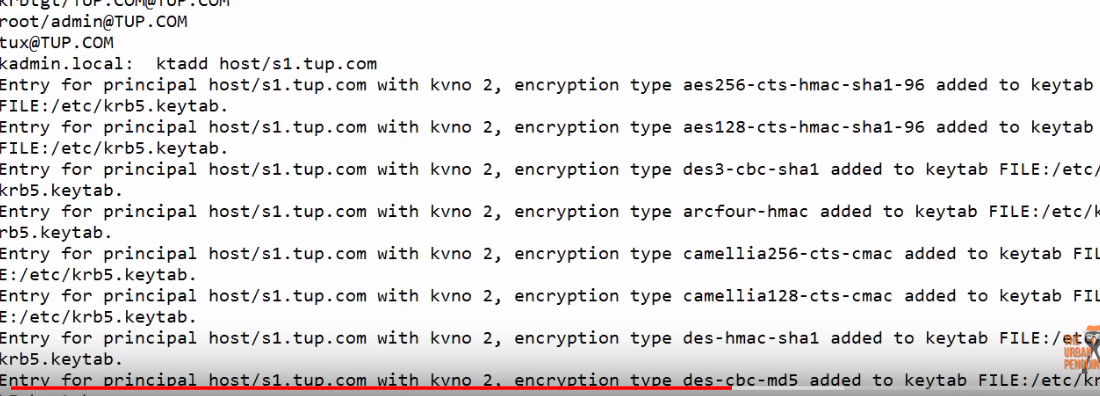
#kinit admin/admin@CDHERR.COM

#klist

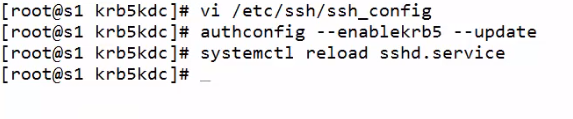
To destroy ticket:

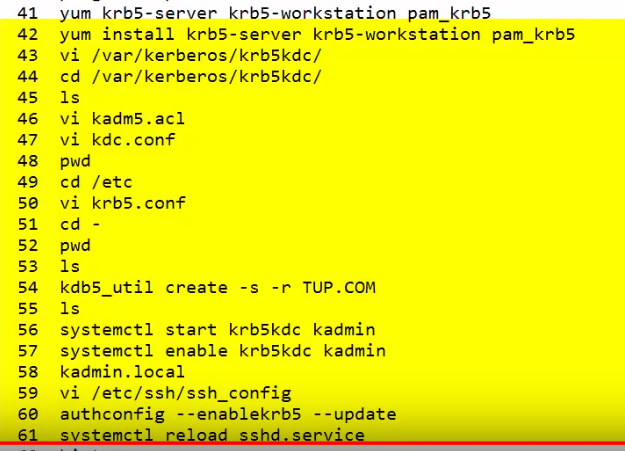
#kdestroy

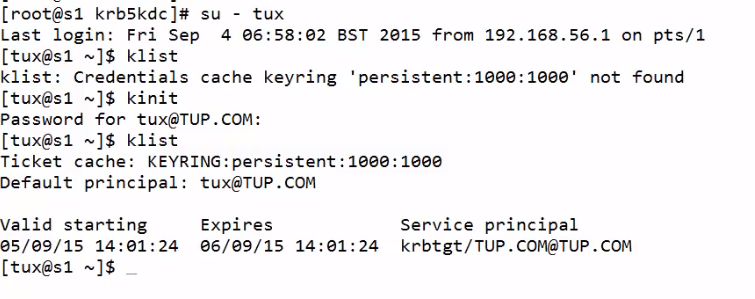




For Authentication:



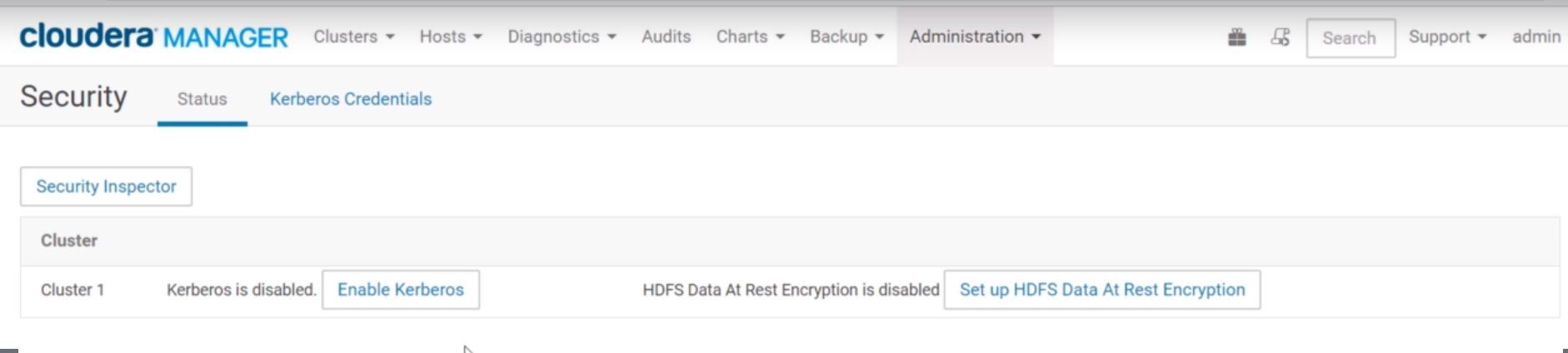




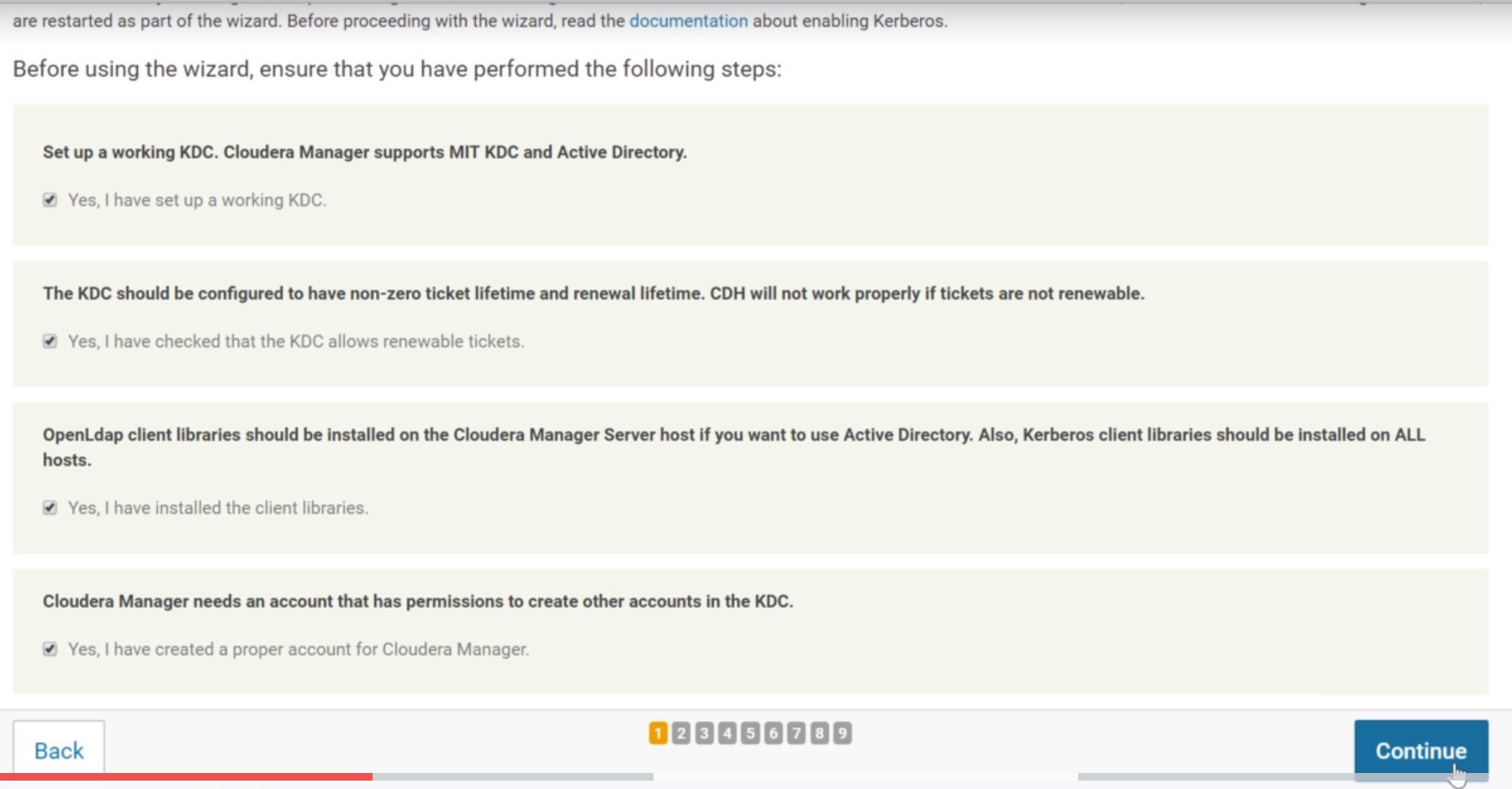
To do in CLOUDERA:

Go go Gui

Enable Kerberos



Next



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Note: master hostname and realm need to be changed based on on requirement below:

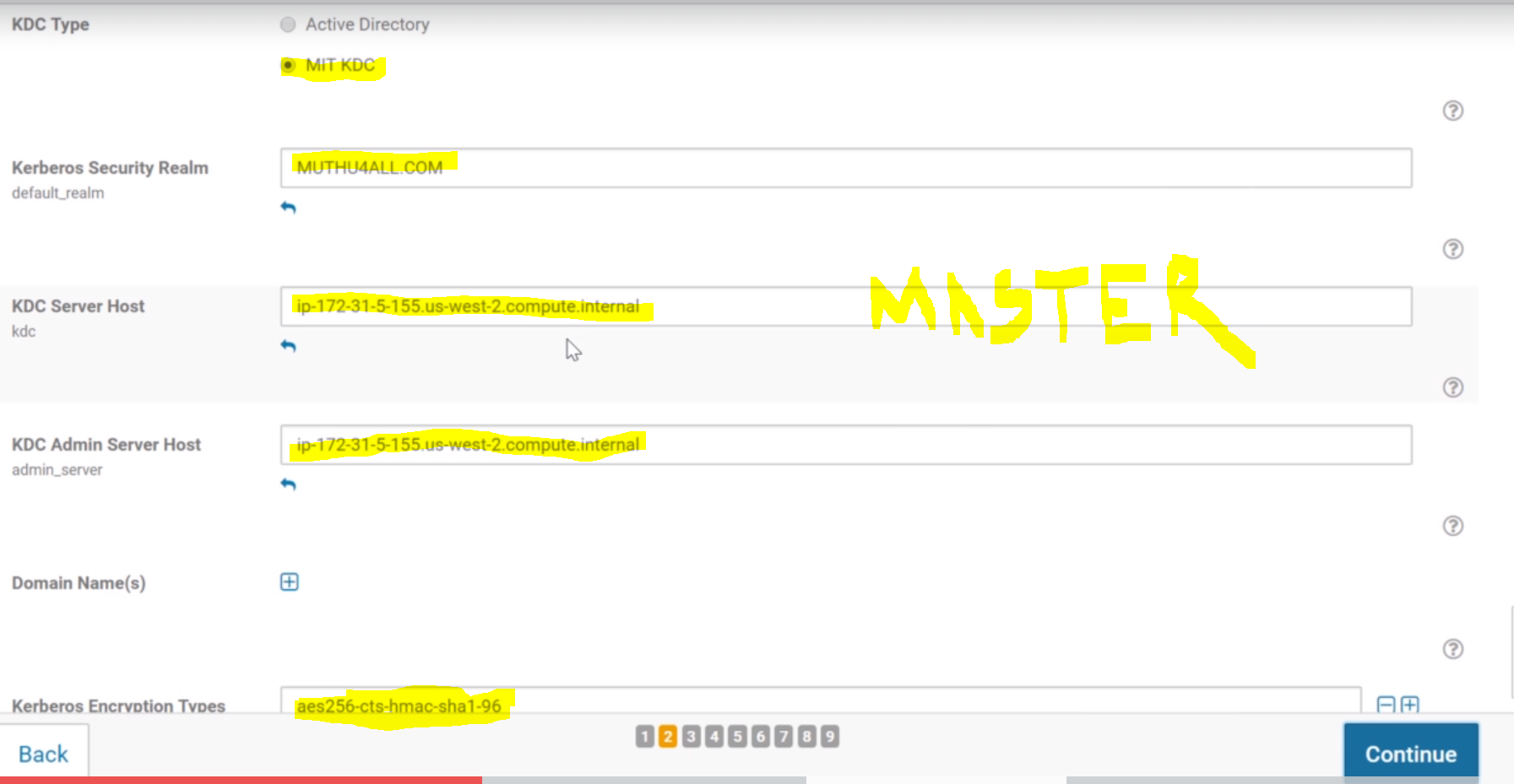
Here

Hostname is : cdh.us-central1-a.c.siba-237806.internal

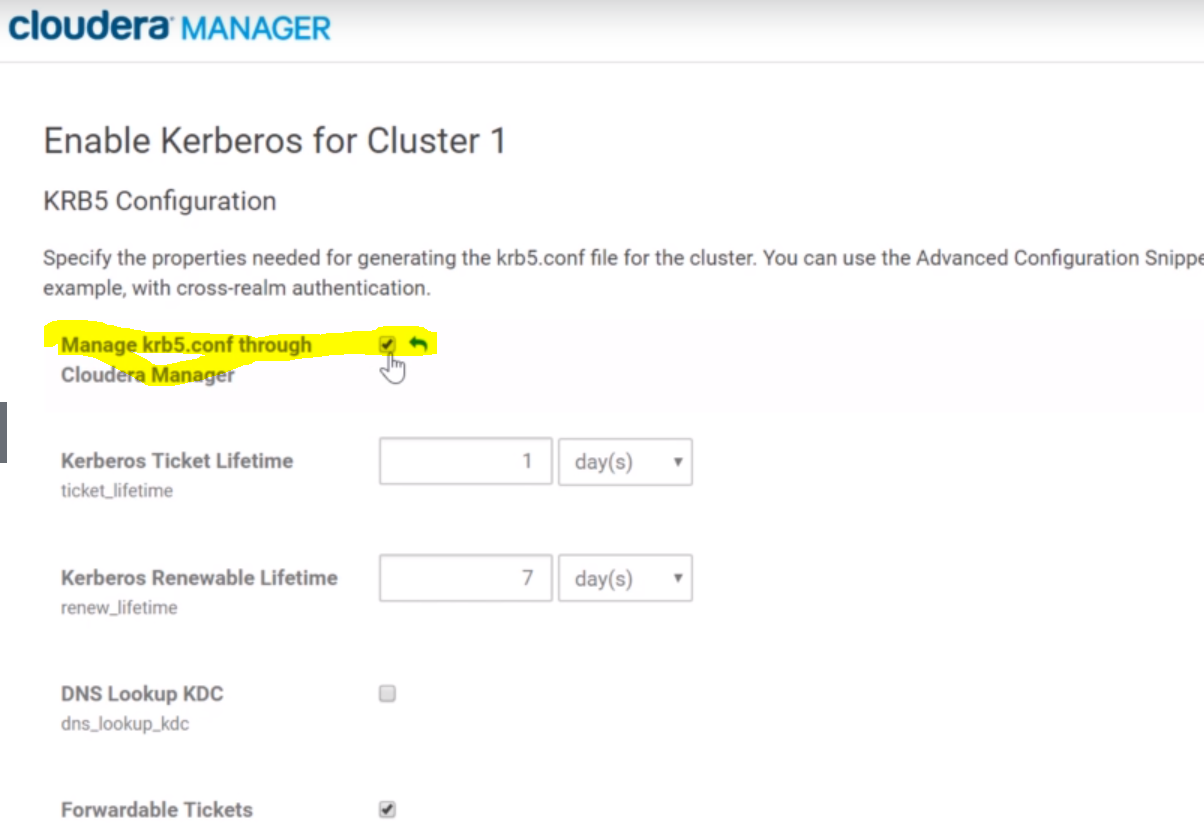
Realm:CDHERR.COM

And account manager is:

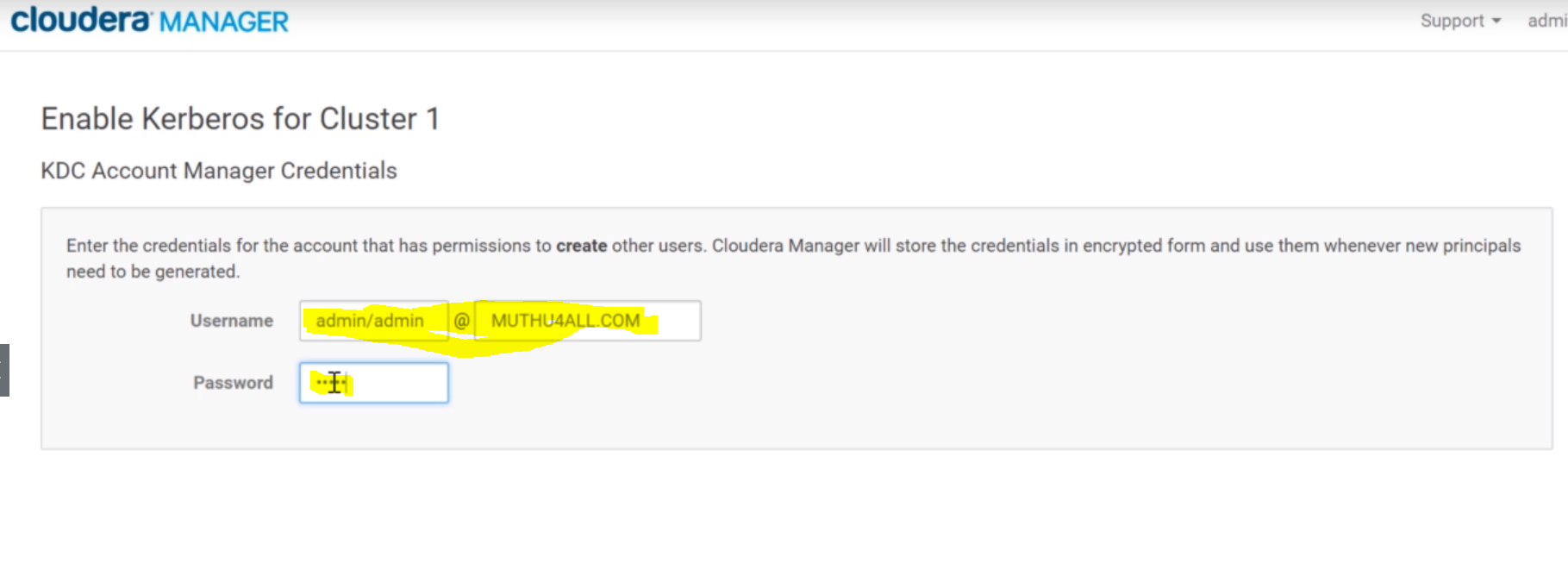
admin/admin@CDHERR.COM



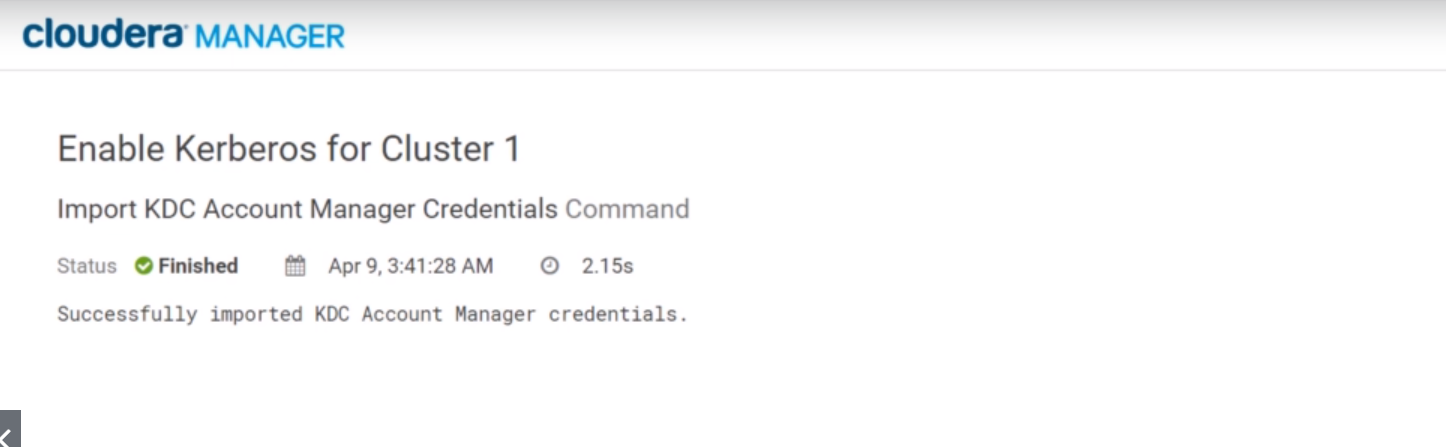
next



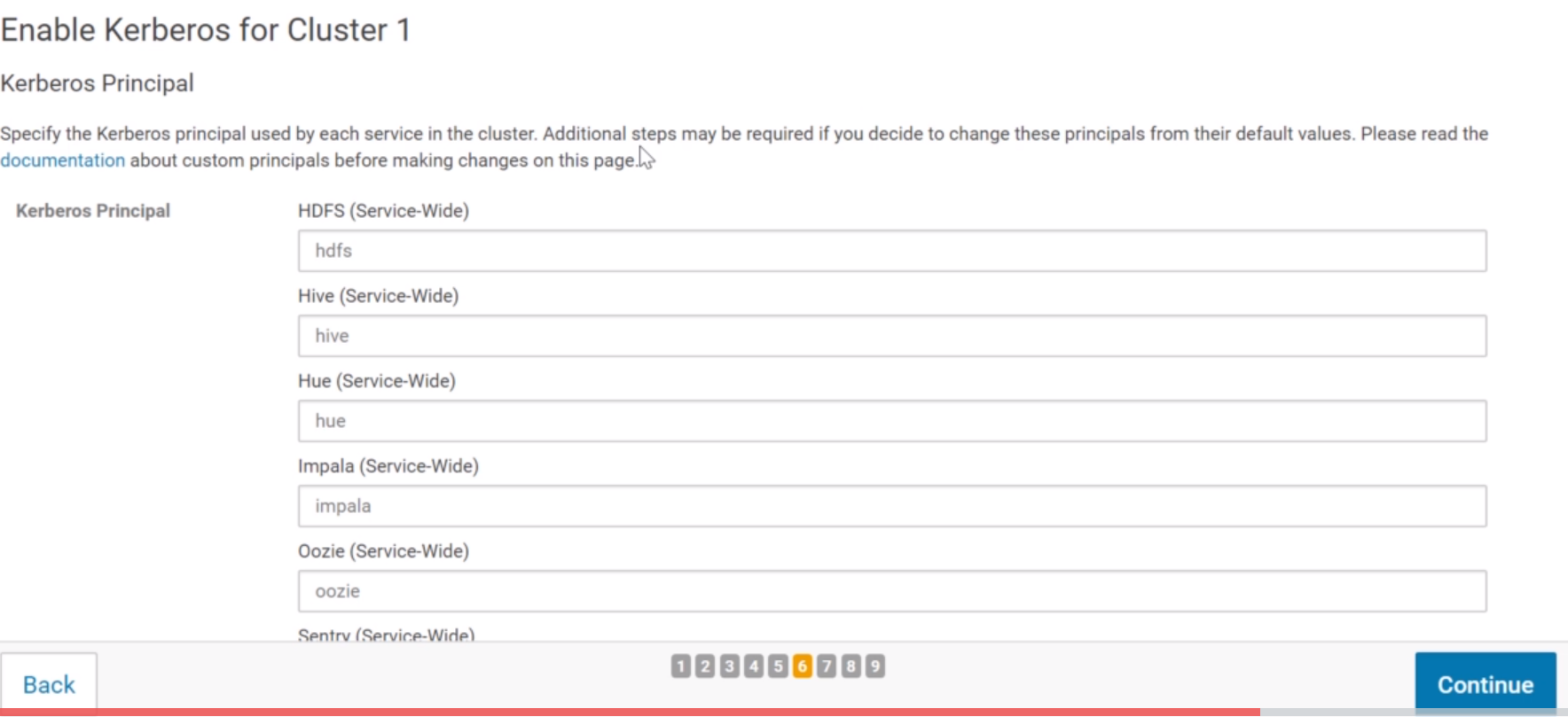
next



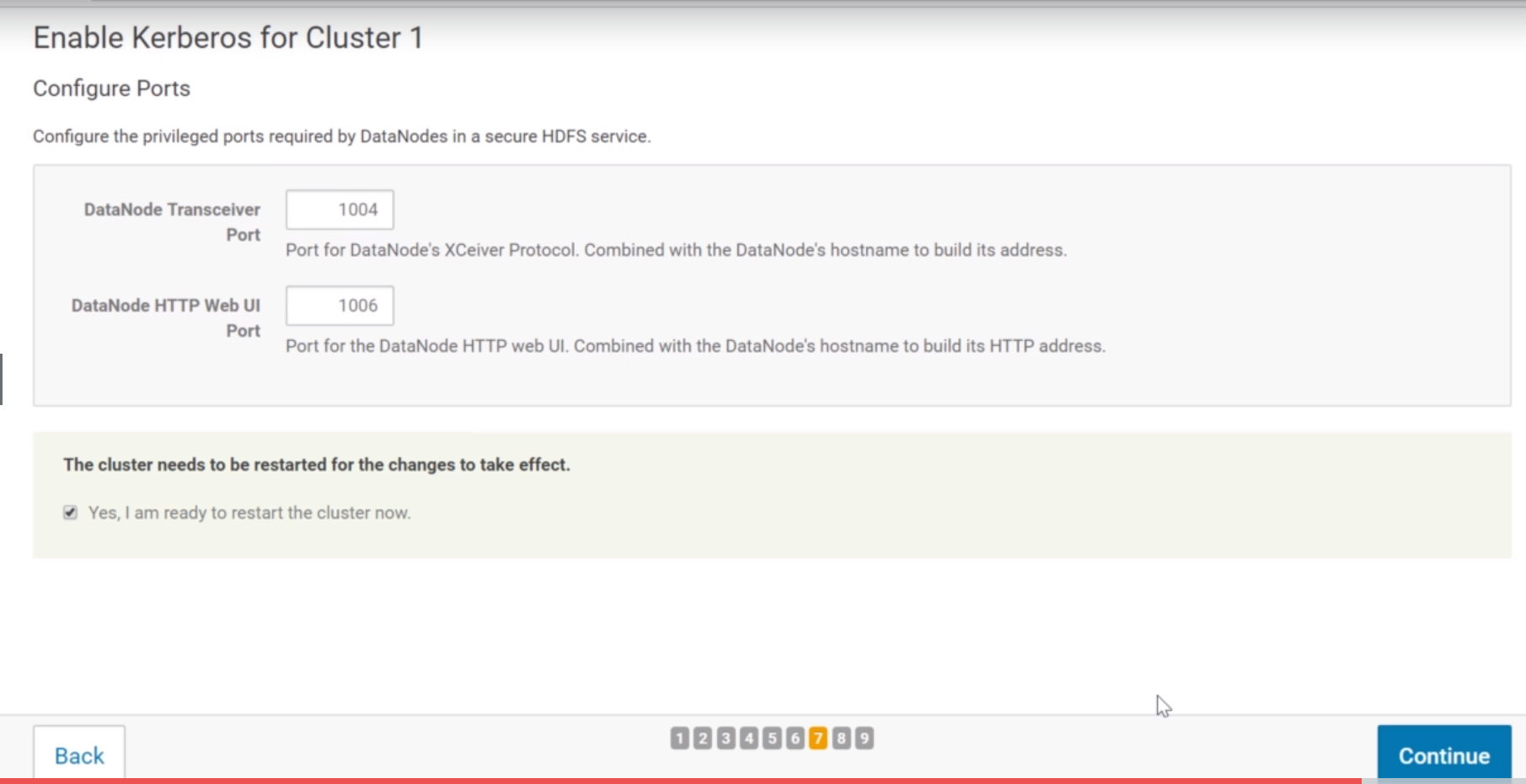
next



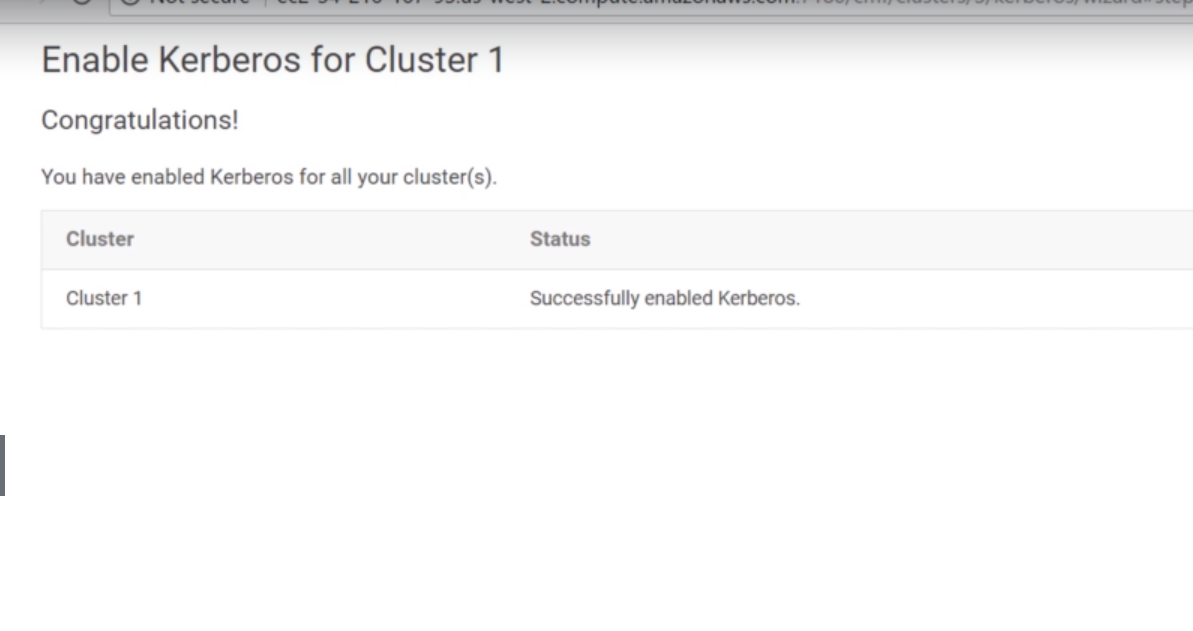
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And use in command line, below command use keytab file to access the hdfs and all ecosystem :

# cd /var/run/cloudera-scm-agent/process/

# cd 68-hdfs-NAMENODE

# ls -lrth

* hdfs.keytab

# cp hdfs.keytab /

To check the principal:

# klist -kt hdfs.keytab

To generate ticket to access hdfs

# kinit -kt hdfs.keytab hdfs/cdh.us-central1-a.c.siba-237806.internal@CDHERR.COM

#su hdfs

Check the TGT details:

# klist

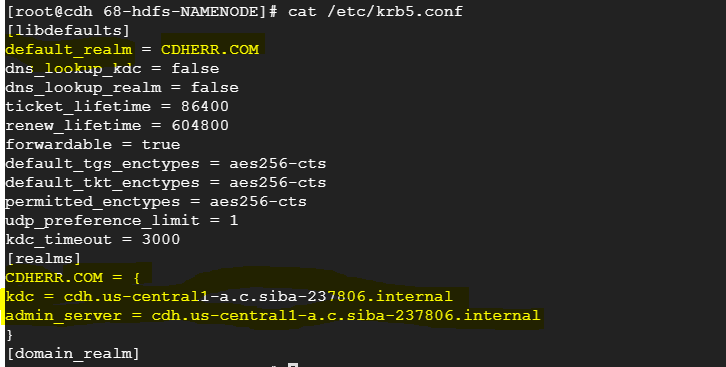
# hdfs dfs -ls /

In Client

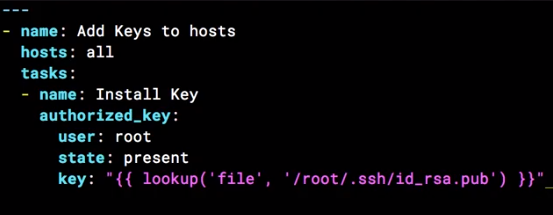
#clush -ab 'yum -y install krb5-libs krb5-workstation'

Change in config file

vim /etc/krb5.conf



set ai ts=2 sw=2 expandtab



http://www.dbaglobe.com/2017/12/troubleshooting-kerberos-ticket-renewer.html