<http://kylo.readthedocs.io/en/latest/installation/KerberosInstallationExampleHDP2.4.html>

<https://docs.hortonworks.com/HDPDocuments/HDP2/HDP-2.4.2/bk_Security_Guide/content/_kerberos_overview.html>

1) (a) To install packages for a Kerberos server:

yum -y install krb5-server krb5-libs krb5-auth-dialog krb5-workstation

(b) To install packages for a Kerberos client:

yum -y install krb5-workstation krb5-libs krb5-auth-dialog

2) Server:

* Editing file vi /var/kerberos/krb5kdc/kdc.conf

[kdcdefaults]

kdc\_ports = 88

kdc\_tcp\_ports = 88

[realms]

EXAMPLE.COM = {

#master\_key\_type = aes256-cts

acl\_file = /var/kerberos/krb5kdc/kadm5.acl

dict\_file = /usr/share/dict/words

admin\_keytab = /var/kerberos/krb5kdc/kadm5.keytab

supported\_enctypes = aes256-cts:normal aes128-cts:normal des3-hmac-sha1:normal arcfour-hmac:normal des-hmac-sha1:normal des-cbc-md5:normal des-cbc-crc:normal

max\_life = 1d

max\_renewable\_life = 7d

}

3) All Clients:

vi /etc/krb5.conf

[logging]

default = [FILE:/var/log/krb5libs.log](file://\var\log\krb5libs.log)

kdc = [FILE:/var/log/krb5kdc.log](file://\var\log\krb5kdc.log)

admin\_server = [FILE:/var/log/kadmind.log](file://\var\log\kadmind.log)

[libdefaults]

default\_realm = EXAMPLE.COM

dns\_lookup\_realm = false

dns\_lookup\_kdc = false

ticket\_lifetime = 24h

renew\_lifetime = 7d

forwardable = true

udp\_preference\_limit = 1

default\_tgs\_enctypes = arcfour-hmac

default\_tkt\_enctypes = arcfour-hmac

[realms]

EXAMPLE.COM = {

kdc = maxiqtesting2.lti.com

admin\_server = maxiqtesting2.lti.com

}

[domain\_realm]

.example.com = EXAMPLE.COM

example.com = EXAMPLE.COM

4) DATABASE ON SERVER :

kdb5\_util create -s

Enter KDC database master key: (V.I.key)

Re-enter KDC database master key to verify:

5) SERVER add principal/ (USER) later to manage Hadoop principals : kadmin.local

kadmin.local: addprinc root/admin@EXAMPLE.COM

WE WILL USE THIS PRINCIPAL PASSWORD TO IMPORT THE KDC CREDENTIAL (PASSWORD IS V.IMP: admin)

6) vi /var/kerberos/krb5kdc/kadm5.acl

\*/admin@EXAMPLE.COM \*

8) service krb5kdc start

service kadmin start

9) check out the os level Kerberos setup is perfect or not.

Issue ticket on the host nodes using

# kinit root/admin

enter password

# klist