# Updaters Implementation

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## 1 Steps Involved

### 1.1 Setting up Kerberos

- First we need to install the krb5 framework (krb5-admin-server and krb5-kdc) on the server that will serve as the KDC.

- We will now need to configure the host name of the kdc server machine. let us set this as *kdc.kbs.com.* and client and service provider machines as *client.kbs.com* and *server.kbs.com* and list them with their host names and IPs in the */etc/hosts* in all the clients and servers.

- Next add a few settings in the kerberos configuration files.

- Add users using *kadmin*

- Now you can try getting the kerberos TGT from the client Machine using *kinit* and futher details of the ticket using *klist*

### 1.2 Setting up LDAP

LDAP will be used to provide the login information for the kerberos verification.

- First install openldap and it's utilities on the KDC machine and configure it properly to be used by the kerberos authentication system.

- LDAP also provides the information whether who can view what files on a system, thus also being used in the service providing. (Both of these machines are the same in our implementation and thus the communication between ldap and Kerberos doesn't need to be TLS/SSL certified)

- Now modify a few settings in the ldap configuration as well as the ssh configuration files to tell the ssh command to verify using kerberos which further depends on the LDAP.

*[NOTE] - The above things were implemented in my design correctly. But due to some unsupervised change in the keyfile, the authentication was no longer happening.*