**SSSD**

To Integrate Linux with Active Directory Server Install below services.

[juaid@node1 ~]$ sudo –i

[root@node1 ~]$ yum install sssd

[root@node1 ~]$ yum install realmd

[root@node1 ~]$ yum install oddjob

[root@node1 ~]$ yum install oddjob-mkhomedir

[root@node1 ~]$ yum install adcli

[root@node1 ~]$ yum install samba-common.x86\_64 or [root@node1 ~]$ yum install samba-common.noarch

[root@node1 ~]$ yum install samba-common-tools.x86\_64

[root@node1 ~]$ yum install policycoreutils-python

Install above packages using below single command.

[root@node1 ~]$ yum -y install sssd realmd oddjob oddjob-mkhomedir adcli samba-common.noarch samba-common-tools.x86\_64 policycoreutils-python

Join the Realm

[root@node1 ~]$ realm join --user=Administrator hadoop-ad.hadoopsecurity.local

Password for Administrator: (Enter Password of our AD server Administrator user)

Now try with below command to check the join is successful or not.

[root@node1 ~]$ id -a [juaid@hadoopsecurity.local](mailto:juaid@hadoopsecurity.local)

uid=11801194(juaid@hadoopsecurity.local) gid=11800513(domain users@hadoopsecurity.local) groups=11800513(domain [users@hadoopsecurity.local](mailto:users@hadoopsecurity.local))

[root@node1 ~]$ cd /etc/sssd/

[root@node1 ~]$ vi sssd.conf

[sssd]

domains = hadoopsecurity.local

config\_file\_version = 2

services = nss, pam

[domain/hadoopsecurity.local]

ad\_server = hadoop-ad.hadoopsecurity.local

ad\_domain = hadoopsecurity.local

krb5\_realm = HADOOPSECURITY.LOCAL

realmd\_tags = manages-system joined-with-adcli

cache\_credentials = True

id\_provider = ad

krb5\_store\_password\_if\_offline = True

default\_shell = /bin/bash

ldap\_id\_mapping = True

use\_fully\_qualified\_names = False

fallback\_homedir = /home/%u

access\_provider = ad

(Make bbelow 2 changes in above confiuration:

1. use\_fully\_qualified\_names = False as by default it is True
2. fallback\_homedir = /home/%u by default it /home/%u@%d

[root@node1 ~]$ systemctl restart sssd

[root@node1 ~]$ systemctl status sssd

[root@node1 ~]$ id -a juaid

uid=1001(juaid) gid=1001(juaid) groups=1001(juaid),1003(admin),11800513(domain users)