LDAP client configuration with autofs home directories

[openLDAP Server installation and configuration step by step guide](http://arkit.co.in/linux/openldap-server-installation-configuration/" \t "_blank) LDAP client. Autofs is an excellent feature/service to mount to remote NFS shares automatically without running mount command, even from normal users who do not require to have mount command permissions.

LDAP Client configuration

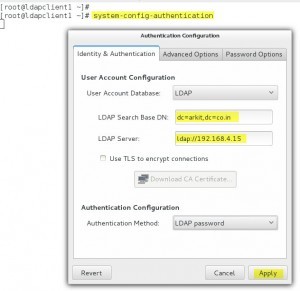
first, install required packages, in this article we will see how to configure LDAP client using CLI interface and GUI Interface

[root@ldapclient1 ~]# yum install -y openldap-clients nss-pam-ldapd sssd authconfig-gtk

[root@ldapclient1 ~]# yum install nfs-utils rpcbind autofs

Using GUI mode

install above packages then enter the command “***system-config-authentication***“

[](http://arkit.co.in/wp-content/uploads/2016/03/ldap-client.jpg)

Using CLI mode

type command “***authconfig-tui***“

[](http://arkit.co.in/wp-content/uploads/2016/03/ldap-client-CLI-1.jpg)

Select [\*] Use LDAP

select [\*] Use LDAP Authentication

click **Next**

[](http://arkit.co.in/wp-content/uploads/2016/03/ldap-client-CLI-2.jpg)

provide the ldap server details as shown above and click ok

verify the ldap user information using below command

[root@ldapclient1 ~]# getent passwd ldapuser1

ldapuser1:\*:1001:1001:ldapuser1:/home/ldapuser1:/bin/bash

as you see below there is no home directory for ldapuser1

[root@ldapclient1 ~]# su - ldapuser1

su: warning: cannot change directory to /home/ldapuser1: No such file or directory

-bash-4.2$

Now mount user home directory using autofs

edit autofs master configuration file add entry

[root@ldapclient1 ~]# vim /etc/auto.master

#

# Sample auto.master file

# This is a 'master' automounter map and it has the following format:

# mount-point [map-type[,format]:]map [options]

# For details of the format look at auto.master(5).

#

/misc /etc/auto.misc

/home /etc/auto.ldapuser

now create /etc/auto.ldapuser file and add the entry for autofs mount

[root@ldapclient1 ~]# cat /etc/auto.ldapuser

\* -rw 192.168.4.15:/home/&

Now restart autofs service

[root@ldapclient1 ~]# systemctl restart autofs

[root@ldapclient1 ~]# systemctl enable autofs

ln -s '/usr/lib/systemd/system/autofs.service' '/etc/systemd/system/multi-user.target.wants/autofs.service'

login using ldapuser then verify you should get ldapuser home directory automatically

[root@ldapclient1 ~]# su - ldapuser1

Last login: Sun Mar 20 00:02:00 IST 2016 on pts/0

[ldapuser1@ldapclient1 ~]$

That’s it your LDAP client is configured successfully with autofs home directory mount

Please provide your valuable feedback

**KeyWords:** LDAP client configuration, LDAP client home directories using autofs, autofsLDAP client home, LDAP client home directories using autofs, Linux LDAP client, RHEL7 LDAP client