

# Ubuntu authentication vs Apple OpenDirectory

apt-get install libpam-ldap libnss-ldap nss-updatedb (make local root database admin NO)

add to your /etc/ldap.conf

```
pam_filter !(uid=root)
host macosxservername
base cn=users,dc=loopback,dc=org
```

edit /etc/nsswitch.conf and change the passwd, group, and shadow lines to resemble:

```
passwd: files ldap
group: files ldap
shadow: files ldap
```

Have /etc/pam.d/common-account read

```
account sufficient pam_ldap.so
account required pam_unix.so
```

Have /etc/pam.d/common-auth read

```
auth sufficient pam_ldap.so
auth required pam_unix.so nullok_secure try_first_pass
```

Have /etc/pam.d/common-passwd read

```
password sufficient pam_ldap.so md5
password required pam_unix.so nullok_obscure md5
password optional pam_smbpass.so nullok use_authok try_first_pass missingok
```

Finally, have /etc/pam.d/common-session read

```
session sufficient pam_ldap.so
session required pam_unix.so
```

You should be good to go. Test with a command like:

```
getent passwd
```

See <https://help.ubuntu.com/community/OSXLDAPClientAuthentication>

Mount home directories:

```
root@ubuntu:~# mkdir /Network/Servers/macosxservername/Users
root@ubuntu:~# mount borg:/Users /Network/Servers/macosxservername/Users
```