

```
$sudo apt -y install ldap-account-manager
```

```
$sudo nano /etc/apache2/conf-enabled/ldap-account-manager.conf
```

Comment out the line “Require all granted” and then add the IP subnets to be accessed like this:

```
#Require all granted
```

```
Require ip 127.0.0.1 192.168.13.0/24
```

Restart apache web server:

```
$sudo systemctl restart apache2
```

Next access LDAP Account Manager web interface from a trusted machine network on:

```
http://ldap.cosc328.okc/lam
```

The LDAP Account Manager **Login** form will be shown. For the first time, we need to set up an **admin** account with a password for the administration of ldap users and groups. We need to set our LDAP server profile by clicking on “LAM configuration” at the upper right corner:

The screenshot shows the LDAP Account Manager (LAM) web interface. At the top, it says "LAM - 6.7" and "Want more features? Get LAM Pro!". There is a link for "LAM configuration". The main content is a login form with the following fields:

- User name: Manager (dropdown menu)
- Password: (text input field)
- Language: English (Great Britain) (dropdown menu)

Below the fields is a "Login" button. At the bottom of the form, it displays the LDAP server as "ldap://localhost:389" and the Server profile as "lam".

Then click on “Edit server profiles”:




This will ask

you for LAM Profile name password for lam, you type in the default password: **lam**


Please enter your password to change the server preferences:

Profile name	lam
Password	<input type="password" value="..."/>
<input type="button" value="Ok"/>	

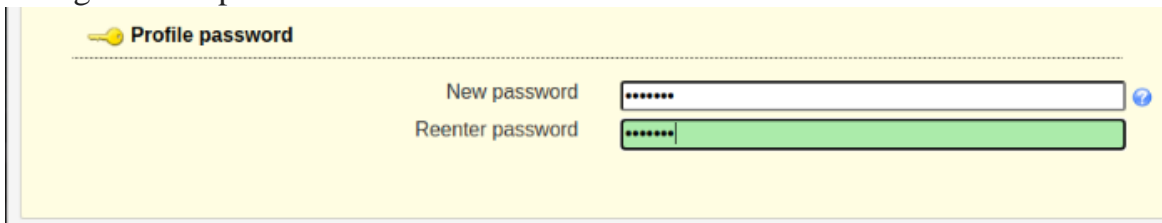
Change Server settings:

 <b>Server settings</b>	
Server address *	<input type="text" value="ldap://localhost:389"/>
Activate TLS	<input type="text" value="no"/>
Tree suffix	<input type="text" value="dc=cosc328,dc=okc"/>
LDAP search limit	<input type="text" value="-"/>

Change Security settings:

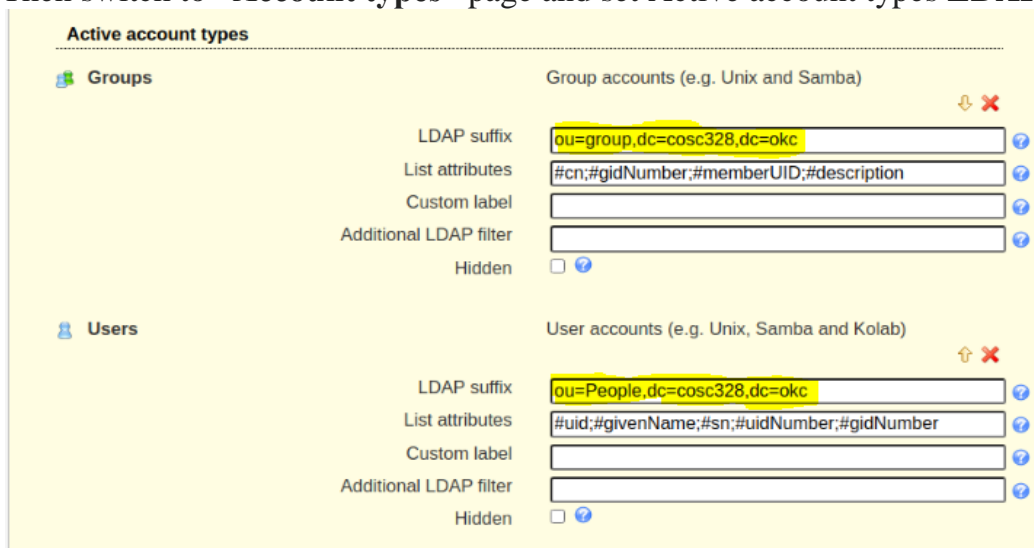
 <b>Security settings</b>	
Login method	<input type="text" value="Fixed list"/>
List of valid users *	<input type="text" value="cn=admin,dc=cosc328,dc=okc"/>

Change Profile password with “**letmein**”:



The screenshot shows a form titled "Profile password" with a key icon. It contains two input fields: "New password" and "Reenter password". Both fields are currently filled with six dots, indicating masked text. The "Reenter password" field has a green border, suggesting it is the active field.

Then switch to “**Account types**” page and set Active account types **LDAP suffix** and **List attributes**:



The screenshot shows the "Active account types" configuration page. It is divided into two sections: "Groups" and "Users".

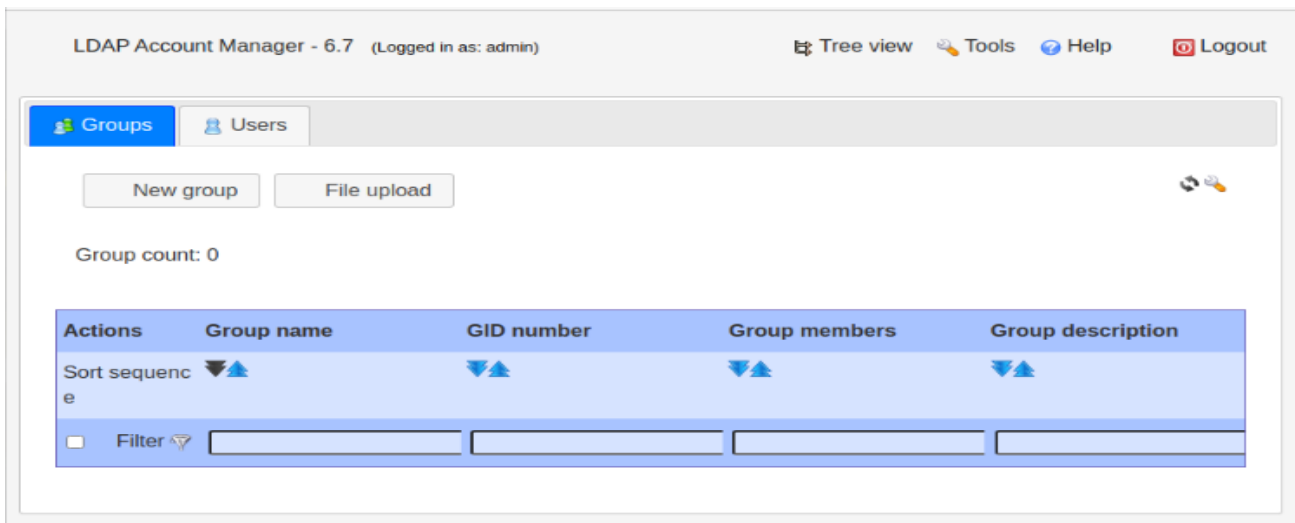
**Groups section:**

- LDAP suffix: `ou=group,dc=cosc328,dc=okc`
- List attributes: `#cn;#gidNumber;#memberUID;#description`
- Custom label: (empty)
- Additional LDAP filter: (empty)
- Hidden: ☐

**Users section:**

- LDAP suffix: `ou=People,dc=cosc328,dc=okc`
- List attributes: `#uid;#givenName;#sn;#uidNumber;#gidNumber`
- Custom label: (empty)
- Additional LDAP filter: (empty)
- Hidden: ☐

=> Click “**Save**” button => login with the newly created **admin** account with password “**letmein**”:



The screenshot shows the LDAP Account Manager - 6.7 interface. The top bar indicates the user is logged in as "admin". The main content area has tabs for "Groups" and "Users". Below the tabs are buttons for "New group" and "File upload". A "Group count: 0" is displayed. Below this is a table with the following columns: "Actions", "Group name", "GID number", "Group members", and "Group description". The table is currently empty. There are also "Sort sequence" and "Filter" options at the bottom of the table.

- Create two ldap users: **cs328user** and **mdoe**:

Groups Users

New userDelete selected users

File upload



User count: 2

Actions	User name	First name	Last name	UID number	GID number
Sort sequence					
<input type="checkbox"/> Filter					
<input type="checkbox"/>	cs328user		CoscDept	2000	2000
<input type="checkbox"/>	mdoe	Mary	Doe	10000	10000