

How to install OpenLDAP and phpLDAPadmin on ubuntu?

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Install OpenLDAP and LDAP Admin on Ubuntu

Overview: This article guides you through installing OpenLDAP and LDAP Admin on Ubuntu. It includes setting the hostname, installing OpenLDAP, adding base DNs, installing phpLDAPadmin, accessing the admin dashboard, troubleshooting common errors, and creating groups and users in LDAP.

Make sure to set your system hostname and add it to file `/etc/hosts`. Replace **admod.ezeelogin.com** with your hostname or valid domain name.

```
root@ubuntu:~# vi /etc/hosts
```

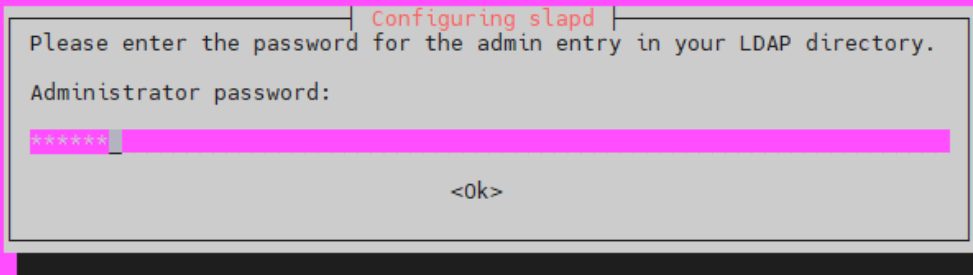
```
192.168.1.11 admod.ezeelogin.com
```

Step 1. Install OpenLDAP packages

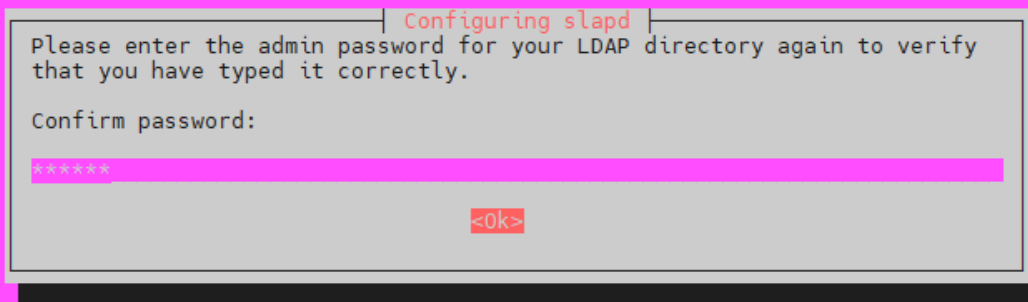
```
root@ubuntu:~# apt update
```

```
root@ubuntu:~# apt -y install slapd ldap-utils
```

During the installation, you'll be prompted to set the LDAP admin password. Provide your desired password and press enter.



Confirm the password and continue the installation by pressing **OK**.



You can confirm that your installation was successful by using the command " **slapcat** ". It is used to fetch the SLAPD data content.

```
root@ubuntu:~# slapcat
dn: dc=com
objectClass: top
objectClass: dcObject
objectClass: organization
o: com
dc: com
structuralObjectClass: organization
entryUUID: 5eeea770-459c-103b-9cad-53d18c55e0b0
creatorsName: cn=admin,dc=com
createTimestamp: 20210510052901Z
entryCSN: 20210510052901.084178Z#000000#000#000000
```

```
modifiersName: cn=admin,dc=com
modifyTimestamp: 20210510052901Z

dn: cn=admin,dc=com
objectClass: simpleSecurityObject
objectClass: organizationalRole
cn: admin
description: LDAP administrator
userPassword:: e1NTSEF9Z0V1WnUzU2M5bENGcnJxWWFoZGtLRjNKc09DbFU3V3A=
structuralObjectClass: organizationalRole
entryUUID: 5eef2bf0-459c-103b-9cae-53d18c55e0b0
creatorsName: cn=admin,dc=com
createTimestamp: 20210510052901Z
entryCSN: 20210510052901.087602Z#000000#000#000000
modifiersName: cn=admin,dc=com
modifyTimestamp: 20210510052901Z
```

Add base dn for Users and groups

Create a file named basedn.ldif and add the following contents. Replace **ezeelogin** and **com** with your domain components.

```
root@ubuntu:~# vi basedn.ldif

dn: ou=people,dc=ezeelogin,dc=com
objectClass: organizationalUnit
ou: people

dn: ou=groups,dc=ezeelogin,dc=com
objectClass: organizationalUnit
ou: groups
```

Add the basedn file by running the following command

```
root@ubuntu:~# ldapadd -x -D cn=admin,dc=ezeelogin,dc=com -W -f basedn.ldif
Enter LDAP Password:
adding new entry "ou=people,dc=ezeelogin,dc=com"

adding new entry "ou=groups,dc=ezeelogin,dc=com"
```

Step 2. Install phpLDAPadmin on Ubuntu

Enter the following command to install LDAP and its dependencies.

```
root@ubuntu:~# apt -y install apache2 php php-cgi libapache2-mod-php php-mbstring php-common php-pear
```

Enable php*-cgi extension

Replace **phpX.X** with your PHP version.

```
root@ubuntu:~# a2enconf phpX.X-cgi  
root@ubuntu:~# service apache2 reload
```

Install LDAP admin by running the following command

```
root@ubuntu:~# apt -y install phpldapadmin
```

To access phpLDAPadmin you've to use the following

```
http://(server 's hostname or IP adress)/phpldapadmin
```

The following image shows the GUI of phpLDAPadmin

My LDAP Server

 login



Use the menu to the left to navigate

[Credits](#) | [Documentation](#) | [Donate](#)

Click on " **login**" button at the top left corner of GUI to log in to the admin dashboard.

Login DN:

Password:

Anonymous

Note:

If you get the below error message on the dashboard, edit the `/etc/phpldapadmin/config.php` file. Somewhere near line 300, you'll find the following lines, **replace Example and com with your basedn to clear the error message.**

```
vi /etc/phpldapadmin/config.php
```

```
$servers->setValue('server','base',array('dc=example,dc=com'));
```

```
$servers->setValue('login','bind_id','cn=admin,dc=example,dc=com');
```


Deprecated: Function create_function() is deprecated in /usr/share/phpldapadmin/lib/functions.php on line 1083

Home | Purge caches | Show Cache

My LDAP Server

schema search refresh info import export logout

Logged in as:

dc=example,dc=com

This base cannot be created with PLA.

Configuration cache stale.
Your configuration has been automatically refreshed.

phpLDAPadmin

Use the menu to the left to navigate

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Step 3. Creating groups in LDAP

Click on the **create new child entry** and select the Object which you want to create.

My LDAP Server

schema search refresh info import export logout

Logged in as: cn=admin

dc=ezeelogin,dc=com (6)

cn=admin

cn=developers (3)

cn=Ellen Mathew

cn=Oprah S

cn=Ron M

Create new entry here

cn=Eznoc_security (2)

cn=Irine Felip

cn=Rayan Floy

Create new entry here

cn=Sysadmins

ou=groups

ou=people

Create new entry here

Create Object

Server: My LDAP Server Container: cn=Sysadmins,dc=ezeelogin,dc=com

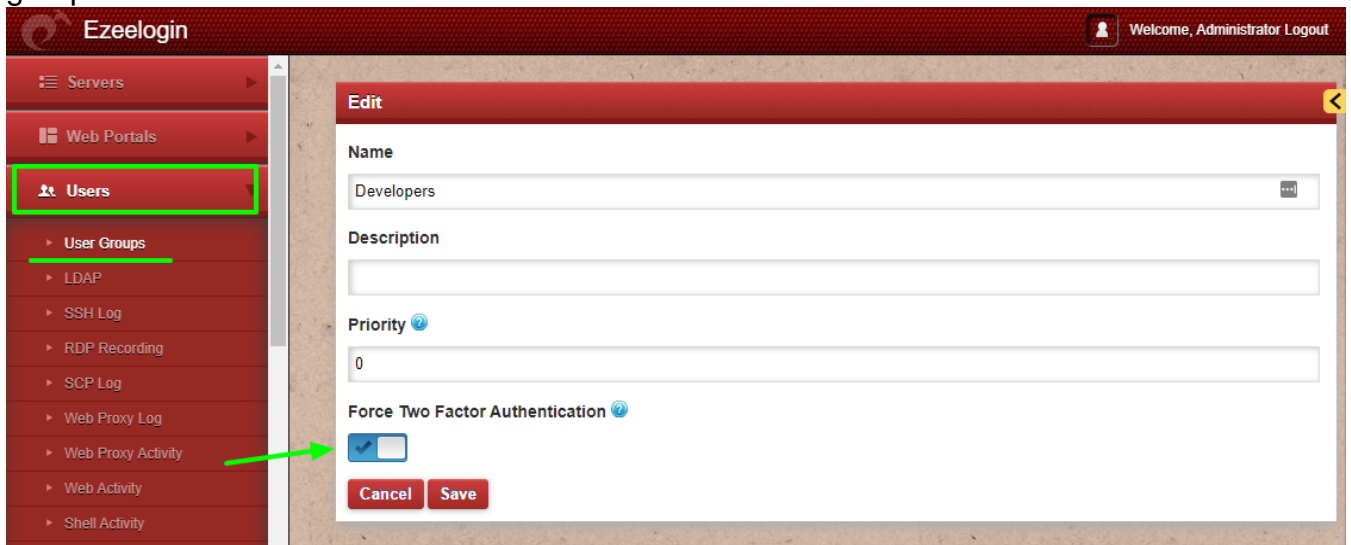
Select a template for the creation process

Templates:

- Courier Mail: Account
- Courier Mail: Alias
- Generic: Address Book Entry
- Generic: DNS Entry
- Generic: LDAP Alias
- Generic: Organisational Role
- Generic: Organisational Unit
- Generic: Posix Group
- Generic: Simple Security Object
- Generic: User Account
- Kolab: User Entry
- Samba: Account
- Samba: Domain
- Samba: Group Mapping
- Samba: Machine
- Sendmail: Alias
- Sendmail: Cluster
- Sendmail: Domain
- Sendmail: Relays
- Sendmail: Virtual Domain
- Sendmail: Virtual Users
- Thunderbird: Address Book Entry
- Default

Select **Generic: Posix Group** and specify the group name in the text box, mark the checkbox

if you want to add the users to the group. Finally, click on the create object tab to create the group in LDAP.



Step 4. Create User in LDAP

Click on the create a child entry and select Generic: User Account. Specify the username, select the GID Number from the drop-down menu, provide home directory, Password, user ID and then click on **create Object** to create the user.

My LDAP Server

schema search refresh info import export logout

Logged in as: cn=admin

- dc=ezeelogin, dc=com (6)
 - cn=admin
 - cn=developers (3)
 - cn=Ellen Mathew
 - cn=Oprah S
 - cn=Ron M
 - ★ Create new entry here
 - cn=Eznoc_security (2)
 - cn=Irine Felip
 - cn=Rayan Floy
 - ★ Create new entry here
 - cn=Sysadmins
 - ou=groups
 - ou=people
 - ★ Create new entry here

Create Object

Server: My LDAP Server Container: cn=Sysadmins,dc=ezeelogin,dc=com
Template: Generic: User Account (posixAccount)

New User Account (Step 1 of 1)

Common Name	alias, required, rdn
<input type="text" value="Cathy Mathew"/>	*
First name	alias
<input type="text" value="Cathy"/>	*
GID Number	alias, required, hint
<input type="text" value="Sysadmins"/>	*
Home directory	alias, required
<input type="text" value="/home/users/Cathy"/>	*
Last name	alias, required
<input type="text" value="Mathew"/>	*
Login shell	alias
<input type="text" value="/bin/sh"/>	*
Password	alias, hint
<input type="password" value="....."/> <input type="password" value="....."/>	md5 (confirm)
Check password...	
UID Number	alias, required, hint, ro
<input type="text" value="1005"/>	*
User ID	alias, required
<input type="text" value="Cathy"/>	*

Related Articles

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[How to configure Ezeelogin to authenticate using open_Ldap\(Pam_Ldap\) in centos](#)

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[How do I configure Ezeelogin to authenticate using OpenLdap or Window AD server](#)

[Can we map existing user group in ldap to ezeelogin as ezeelogin user group ?](#)

[Assigning user group for LDAP users?](#)

Online URL:

<https://www.ezeelogin.com/kb/article/how-to-install-openldap-and-phpldapadmin-on-ubuntu-401.html>