

How to install OpenLDAP and phpldapadmin in CentOS?

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How to Install OpenLDAP and phpldapadmin in CentOS 7?

Overview: This article explains how to install OpenLDAP and phpldapadmin in CentOS 7.

Step 1: Install openldap packages.

```
root@centos ~]# yum install openldap openldap-servers openldap-clients -y
```

Step 2: Start and enable openldap service.

```
root@centos ~]# systemctl start slapd && systemctl enable slapd
```

Step 3: Create an **admin LDIF file** and replace **olcSuffix** and **olcRootDN**.

```
root@centos ~]# vim bind.ldif

dn: olcDatabase={2}hdb,cn=config
changetype: modify
replace: olcSuffix
olcSuffix: dc=centos,dc=com

dn: olcDatabase={2}hdb,cn=config
changetype: modify
replace: olcRootDN
olcRootDN: cn=admin,dc=centos,dc=com
```

Step 4: To make these changes, run **ldapmodify** command with the appropriate name.

```
root@centos ~]# ldapmodify -Y EXTERNAL -H ldapi:/// -f bind.ldif
```

Step 5: Run the below command to **generate a password** for admin user.

```
root@centos ~]# slappasswd
New password:
Re-enter new password:
{SSHA}1PF1wdh9G8O4OVQ7WPtNjWz5bgx53HcO
```

Step 6: Create a **password LDIF file** and replace the password with yours.

```
root@centos ~]# vim password.ldif

dn: olcDatabase={2}hdb,cn=config
changetype: modify
add: olcRootPW
olcRootPW: {SSHA}1PF1wdh9G8O4OVQ7WPtNjWz5bgx53HcO
```

Step 7: To make these changes, run **ldapmodify** command with the appropriate name.

```
root@centos ~]# ldapmodify -Y EXTERNAL -H ldapi:/// -f
```

```
password.ldif
```

Step 8: To allow access to the LDAP database, replace **olcAccess** attribute with yours.

```
root@centos ~]# vim config.ldif

dn: olcDatabase={1}monitor,cn=config
changetype: modify
replace: olcAccess
olcAccess: {0}to * by
dn.base="gidNumber=0+uidNumber=0,cn=peercred,cn=external,cn=auth"
read by dn.base="cn=admin,dc=centos,dc=com" read by * none
```

Step 9: To make these changes, run **ldapmodify** command with the appropriate name.

```
root@centos ~]# ldapmodify -Y EXTERNAL -H ldapi:/// -f config.ldif
```

Step 10: Use **ldapsearch** to validate the attribute that has changed.

```
root@centos ~]# ldapsearch -Y EXTERNAL -H ldapi:/// -b cn=config
olcDatabase=*
```

Step 11: Check **configuration** with the below command.

```
root@centos ~]# slaptest -u
```

Step 12: Create a **LDIF** file that saves the base DN.

```
root@centos ~]# vim base.ldif

dn: dc=centos,dc=com
o: ldap
objectclass: dcobject
objectclass: organization
```

Step 13: Run **ldapadd** command with the **bind DN** and enter **admin password** to add **base.ldif**.

```
root@centos ~]# ldapadd -f base.ldif -H ldapi:/// -D
cn=admin,dc=centos,dc=com -W
```

```
Enter LDAP Password:
```

Step 14: Install **phpldapadmin** package.

```
root@centos ~]# yum -y install phpldapadmin
```

Step 15: Edit **phpldapadmin** configuration file and comment **#Require local** and add a new line **Require all granted**.

```
root@centos ~]# vim /etc/httpd/conf.d/phpldapadmin.conf

#Require local
Require all granted
```

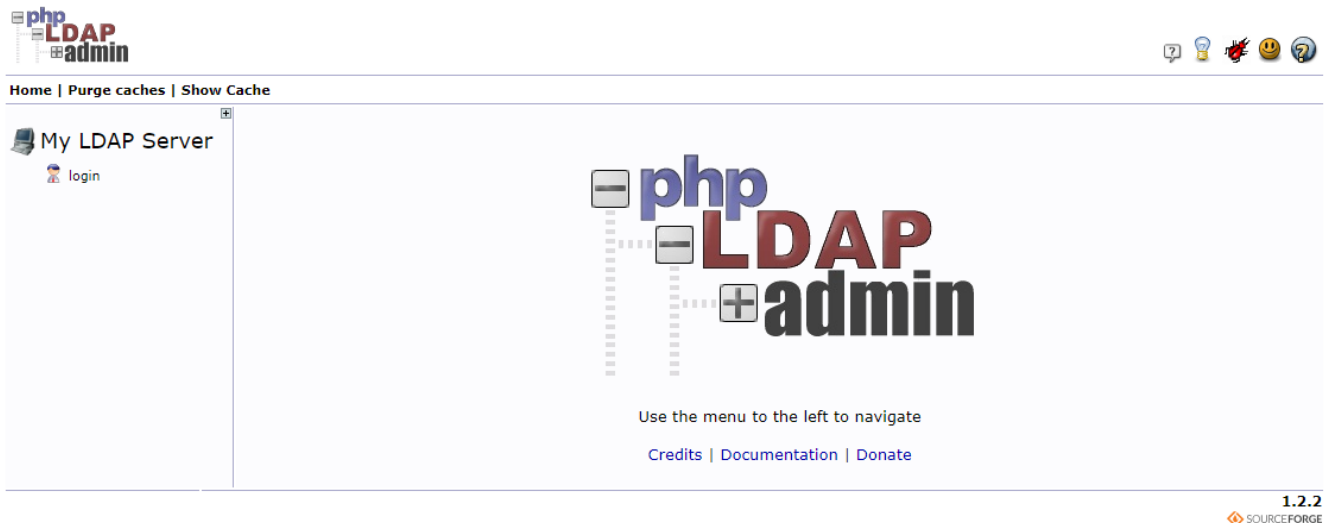
Step 16: Update the configuration file located at **/etc/phpldapadmin/config.php** to match the example shown below.

```
root@centos ~]# vim /etc/phpldapadmin/config.php

$servers->setValue('server','name','CentOS LDAP');
$servers->setValue('server','host','127.0.0.1');
$servers->setValue('server','port',389);
$servers->setValue('server','base',array('dc=centos,dc=com'));
$servers->setValue('login','attr','dn');
// $servers->setValue('login','attr','uid');
$servers->setValue('login','bind_id','cn=admin,dc=centos,dc=com');
$config->custom->appearance['hide_template_warning'] = true;
```

Step 17: After making the changes, open the browser and access your LDAP administration dashboard with **http://server_ip/phpldapadmin**

Step 18: The following image shows the GUI of phpldapadmin.



Step 19: Click on the " login" button at the top left corner of GUI to log in to the admin dashboard.

The image shows a login form with the following elements: a 'Login DN:' label, a text input field containing 'cn=admin,dc=ezeelogin,dc=com', a 'Password:' label, a password input field with masked characters '.....', an 'Anonymous' checkbox which is currently unchecked, and an 'Authenticate' button.

Step 20: Creating groups in LDAP

Step 20(A): Click on the create a new entry and select the Object which you want to create.



Step 21: Create User in LDAP

Step 21(A): Click on the **create a new 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="button" value="md5"/>	
<input type="password" value="....."/> <input type="button" value="(confirm)"/>	
Check password...	
UID Number	alias, required, hint, ro
<input type="text" value="1005"/>	
User ID	alias, required
<input type="text" value="Cathy"/>	∞
<input type="button" value="Create Object"/>	

Related Articles:

[How to configure Ezeelogin to authenticate using Open Ldap\(Pam-Ldap\) in Ubuntu?](#)

[How do I configure Ezeelogin to authenticate using OpenLdap\(Pam-Ldap\) in CentOS ?](#)

Online URL:

<https://www.ezeelogin.com/kb/article/how-to-install-openldap-and-phpldapadmin-in-centos-426.html>