

```

(kali@kali)-[/home/kali]
PS> sudo apt-get install slapd ldap-utils
[sudo] password for kali:
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
ldap-utils is already the newest version (2.5.13+dfsg-5).
ldap-utils set to manually installed.
Suggested packages:
  libsasl2-modules-gssapi-mit | libsasl2-modules-gssapi-heimdal
The following NEW packages will be installed:
  slapd
0 upgraded, 1 newly installed, 0 to remove and 604 not upgraded.
Need to get 1,435 kB of archives.
After this operation, 4,702 kB of additional disk space will be used.
Do you want to continue? [Y/n] y
Get:1 http://http.kali.org/kali kali-rolling/main amd64 slapd amd64 2.5.13+dfsg-5 [1,435 k
B]
Fetched 1,435 kB in 1s (2,511 kB/s)
Preconfiguring packages ...
Selecting previously unselected package slapd.
(Reading database ... 399952 files and directories currently installed.)
Preparing to unpack .../slapd_2.5.13+dfsg-5_amd64.deb ...
Unpacking slapd (2.5.13+dfsg-5) ...
Setting up slapd (2.5.13+dfsg-5) ...
Creating new user openldap... done.
Creating initial configuration... done.
Creating LDAP directory... done.
update-rc.d: We have no instructions for the slapd init script.
update-rc.d: It looks like a network service, we disable it.
Processing triggers for libc-bin (2.36-8) ...
Processing triggers for man-db (2.11.2-1) ...
Processing triggers for kali-menu (2023.1.7) ...

```

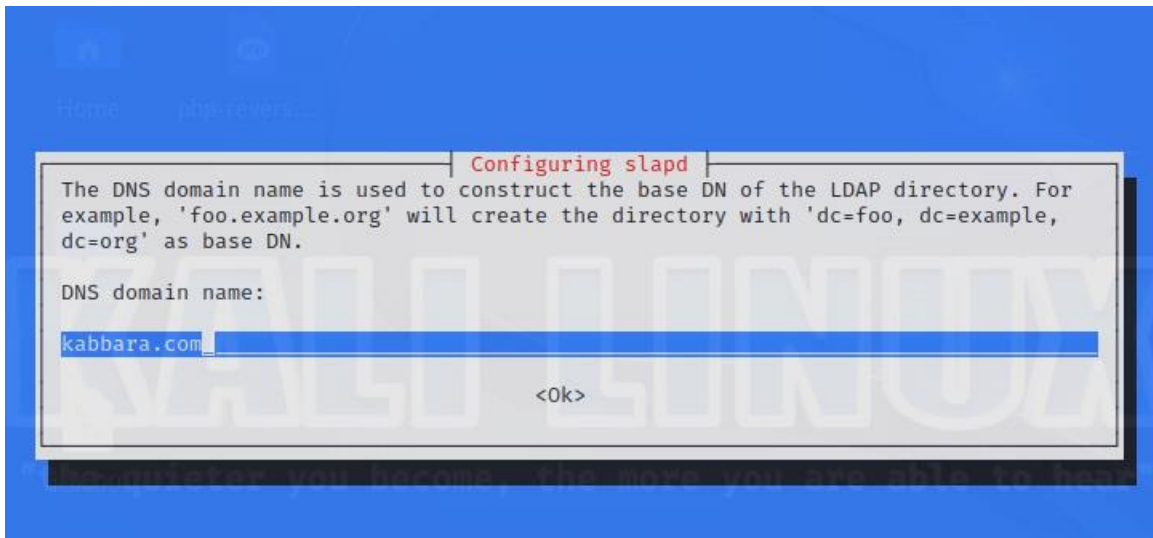
installs the LDAP server (slapd) and utilities (ldap-utils) using the 'apt-get' package manager, with administrative privileges granted by 'sudo.'

```

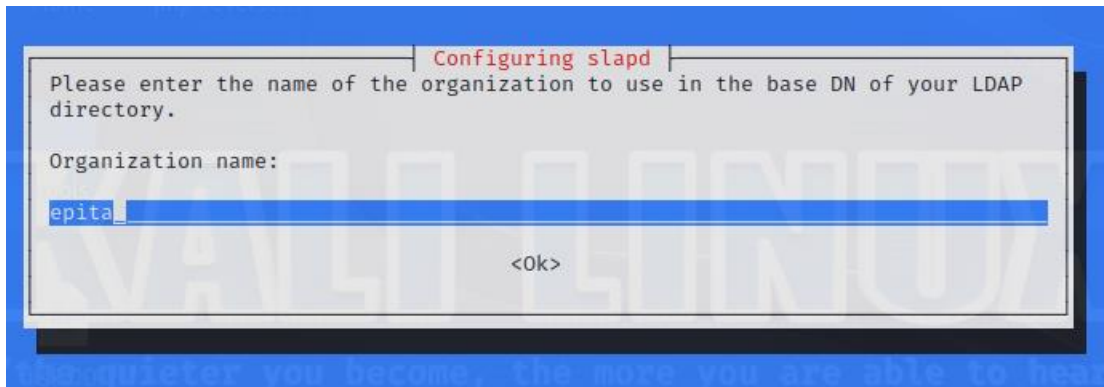
(kali@kali)-[/home/kali]
PS> sudo dpkg-reconfigure slapd
Backing up /etc/ldap/slapd.d in /var/backups/slapd-2.5.13+dfsg-5... done.
Moving old database directory to /var/backups:
- directory unknown... done.
Creating initial configuration... done.
Creating LDAP directory... done.

```

reconfigures the LDAP server (slapd) with administrative privileges granted



Giving a domain name



Giving the organization name

```

(kali㉿kali)-[/home/kali]
PS> service slapd status
o slapd.service - LSB: OpenLDAP standalone server (Lightweight Directory Access Protocol)
   Loaded: loaded (/etc/init.d/slapd; generated)
   Drop-In: /usr/lib/systemd/system/slapd.service.d
            └─slapd-remain-after-exit.conf
   Active: inactive (dead)
   Docs: man:systemd-sysv-generator(8)

(kali㉿kali)-[/home/kali]
PS> service slapd start

(kali㉿kali)-[/home/kali]
PS> service slapd status
● slapd.service - LSB: OpenLDAP standalone server (Lightweight Directory Access Protocol)
   Loaded: loaded (/etc/init.d/slapd; generated)
   Drop-In: /usr/lib/systemd/system/slapd.service.d
            └─slapd-remain-after-exit.conf
   Active: active (running) since Sun 2023-07-23 07:52:35 EDT; 3s ago
   Docs: man:systemd-sysv-generator(8)
  Process: 281469 ExecStart=/etc/init.d/slapd start (code=exited, status=0/SUCCESS)
    Tasks: 3 (limit: 2261)
   Memory: 5.6M
      CPU: 105ms
   CGroup: /system.slice/slapd.service
            └─281482 /usr/sbin/slapd -h "ldap:/// ldapi:///" -g openldap -u openldap -F />

Jul 23 07:52:35 kali systemd[1]: Starting slapd.service - LSB: OpenLDAP standalone server >
Jul 23 07:52:35 kali slapd[281481]: @(#) $OpenLDAP: slapd 2.5.13+dfsg-5 (Feb  8 2023 01:56>
                        Debian OpenLDAP Maintainers <pkg-openldap-devel>
Jul 23 07:52:35 kali slapd[281482]: slapd starting
Jul 23 07:52:35 kali slapd[281469]: Starting OpenLDAP: slapd.
Jul 23 07:52:35 kali systemd[1]: Started slapd.service - LSB: OpenLDAP standalone server (>

```

Checking the status of slapd then starting it to be able to start the service

```

(kali㉿kali)-[/home/kali]
PS> sudo ldapsearch -Q -L -Y EXTERNAL -H ldapi:/// -b dc=kabbara,dc=com
version: 1

#
# LDAPv3
# base <dc=kabbara,dc=com> with scope subtree
# filter: (objectclass=*)
# requesting: ALL
#

# kabbara.com
dn: dc=kabbara,dc=com
objectClass: top
objectClass: dcObject
objectClass: organization
o: epita
dc: kabbara

# search result

# numResponses: 2
# numEntries: 1

```

performs an LDAP search using 'ldapsearch' with external authentication (no credentials required), accessing the local LDAP server through the Unix domain socket ('ldapi:///'), and searching for entries under the base domain name (kabbara.com)

```

(kali@kali)-[/home/kali]
PS> sudo slapcat
dn: dc=kabbara,dc=com
objectClass: top
objectClass: dcObject
objectClass: organization
o: epita
dc: kabbara
structuralObjectClass: organization
entryUUID: 95b8c4f2-bd9a-103d-823e-2351d1b17c9a
creatorsName: cn=admin,dc=kabbara,dc=com
createTimestamp: 20230723114828Z
entryCSN: 20230723114828.887606Z#000000#000#000000
modifiersName: cn=admin,dc=kabbara,dc=com
modifyTimestamp: 20230723114828Z

```

Printing the directories

```

(kali@kali)-[/home/kali]
PS> sudo tree /etc/ldap/slapd.d/
/etc/ldap/slapd.d/
├── cn=config
│   ├── cn=module{0}.ldif
│   ├── cn=schema
│   │   ├── cn={0}core.ldif
│   │   ├── cn={1}cosine.ldif
│   │   ├── cn={2}nis.ldif
│   │   └── cn={3}inetorgperson.ldif
│   ├── cn=schema.ldif
│   ├── olcDatabase={0}config.ldif
│   ├── olcDatabase={-1}frontend.ldif
│   └── olcDatabase={1}mdb.ldif
└── cn=config.ldif

3 directories, 10 files

```

displays the directory tree structure of the '/etc/ldap/slapd.d/' showing the configuration files and subdirectories related to the LDAP server (slapd).

```

(kali@kali)-[/home/kali]
PS> sudo ldapsearch -Q -LLL -Y EXTERNAL -H ldapi:/// -b cn=config dn
dn: cn=config

dn: cn=module{0},cn=config
dn: cn=schema,cn=config
dn: cn={0}core,cn=schema,cn=config
dn: cn={1}cosine,cn=schema,cn=config
dn: cn={2}nis,cn=schema,cn=config
dn: cn={3}inetorgperson,cn=schema,cn=config
dn: olcDatabase={-1}frontend,cn=config
dn: olcDatabase={0}config,cn=config
dn: olcDatabase={1}mdb,cn=config

```

performs an LDAP search using 'ldapsearch' with external authentication (no credentials required), accessing the local LDAP server through the Unix domain socket ('ldapi:///'), and searching for the distinguished name (DN) entries under the 'cn=config' base domain name displaying the results in a machine-readable format without attributes (only d information).

```
File Actions Edit View Help
#
# LDAP Defaults
#
# See ldap.conf(5) for details
# This file should be world readable but not world writable.
#BASE    dc=kabbara,dc=com
#URI      ldap://ldap.kabbara.com ldap://ldap-provider.kabbara.com:666
#SIZELIMIT    12
#TIMELIMIT    15
#DEREF        never
# TLS certificates (needed for GnuTLS)
TLS_CACERT    /etc/ssl/certs/ca-certificates.crt
~
~
```

opens the 'ldap.conf' file located in the '/etc/ldap/' directory using the Vim text editor allowing configuration settings for the LDAP client.

```
(kali@kali)-[/home/kali]
PS> sudo ldapsearch -Q -L -Y EXTERNAL -H ldapi:/// -s base -b cn=config olcLogLevel
version: 1
#
# LDAPv3
# base <cn=config> with scope baseObject
# filter: (objectclass=*)
# requesting: olcLogLevel
#
# config
dn: cn=config
olcLogLevel: none
# search result
# numResponses: 2
# numEntries: 1
```

performs an LDAP search using 'ldapsearch' with external authentication (no credentials required), accessing the local LDAP server through the Unix domain socket ('ldapi:///'), and searching for the attribute 'olcLogLevel' in the 'cn=config' entry with the search scope set to 'base' displaying the log level value of the OpenLDAP configuration.

```
(kali㉿kali)-[/home/kali]
PS> vim logEnable.ldif
```

```
dn: cn = config
changeType: modify
replace: olcLogLevel
olcLogLevel: stat5
~
~
~
~
~
```

opens the file named "logEnable.ldif" using the Vim text editor, allowing the user to view and edit its contents.

```
(kali㉿kali)-[/home/kali]
PS> sudo ldapmodify -Q -Y EXTERNAL -H ldapi:/// -f logEnable.ldif
modifying entry "cn = config "
```

Modify the cn

```
(kali㉿kali)-[/home/kali]
PS> nano treeCompany.ldif

become, the more you are able to hear"

(kali㉿kali)-[/home/kali]
PS> sudo ldapadd -x -W -D "cn=admin,dc=kabbara,dc=com" -H ldap://localhost -f treeCompany
.ldif
Enter LDAP Password:
adding new entry "ou=administration,dc=kabbara,dc=com"

adding new entry "ou=technical,dc=kabbara,dc=com"

adding new entry "cn=Alice Joe,ou=administration,dc=kabbara,dc=com"

adding new entry "cn=Foo Bar,ou=administration,dc=kabbara,dc=com"
```

Creating ldif file and changing the dc to kabbara


```

(kali@kali)-[/home/kali]
PS> sudo ldapsearch -Y EXTERNAL -H ldapi:/// -b cn=config dn
SASL/EXTERNAL authentication started
SASL username: gidNumber=0+uidNumber=0,cn=peercred,cn=external,cn=auth
SASL SSF: 0
# extended LDIF
#
# LDAPv3
# base <cn=config> with scope subtree
# filter: (objectclass=*)
# requesting: dn
#
# config
dn: cn=config

# module{0}, config
dn: cn=module{0},cn=config

# schema, config
dn: cn=schema,cn=config

# {0}core, schema, config
dn: cn={0}core,cn=schema,cn=config

# {1}cosine, schema, config
dn: cn={1}cosine,cn=schema,cn=config

# {2}nis, schema, config
dn: cn={2}nis,cn=schema,cn=config

# {3}inetorgperson, schema, config
dn: cn={3}inetorgperson,cn=schema,cn=config

# {-1}frontend, config
dn: olcDatabase={-1}frontend,cn=config

# {0}config, config
dn: olcDatabase={0}config,cn=config

# {1}mdb, config
dn: olcDatabase={1}mdb,cn=config

# search result
search: 2
result: 0 Success

# search result
search: 2
result: 0 Success

# search result
search: 2
result: 0 Success

# numResponses: 11
# numEntries: 10

```

performs an LDAP search with external authentication (no credentials required), accessing the local LDAP server through the Unix domain socket ('ldapi:///'), and retrieves the distinguished name (DN) of the 'cn=config' entry

```

(kali@kali)-[/home/kali]
PS> sudo ldapsearch -Y EXTERNAL -H ldapi:/// -b cn=config 'olcDatabase={1}mdb'
SASL/EXTERNAL authentication started
SASL username: gidNumber=0+uidNumber=0,cn=peercred,cn=external,cn=auth
SASL SSF: 0
# extended LDIF
#
# LDAPv3
# base <cn=config> with scope subtree
# filter: olcDatabase={1}mdb
# requesting: ALL
#
# {1}mdb, config
dn: olcDatabase={1}mdb,cn=config
objectClass: olcDatabaseConfig
objectClass: olcMdbConfig
olcDatabase: {1}mdb
olcDbDirectory: /var/lib/ldap
olcSuffix: dc=kabbara,dc=com
olcAccess: {0}to attrs=userPassword by self write by anonymous auth by * none
olcAccess: {1}to attrs=shadowLastChange by self write by * read
olcAccess: {2}to * by * read
olcLastMod: TRUE
olcRootDN: cn=admin,dc=kabbara,dc=com
olcRootPW: {SSHA}PTxDRjoMeLR0n2rRjxQbfAiRRlhBaMK/
olcDbCheckpoint: 512 30
olcDbIndex: objectClass eq
olcDbIndex: cn,uid eq
olcDbIndex: uidNumber,gidNumber eq
olcDbIndex: member,memberUid eq
olcDbMaxSize: 1073741824

# search result
search: 2
result: 0 Success

# numResponses: 2
# numEntries: 1

```

performs an LDAP search with external authentication (no credentials required), accessing the local LDAP server through the Unix domain socket ('ldapi:///'), and retrieves the configuration information for the 'mdb' database in the 'cn=config' entry

```

(kali@kali)-[/home/kali]
PS> sudo vim ACLtree.ldif
dn: olcDatabase={1}mdb,cn=config
changetype: modify
add: olcAccess
olcAccess: {0}to attrs=userPassword by self write by anonymous auth by * none

```

Creating ldif file (ACLtree) and adding the dn and type and olcAccess to it

```

(kali@kali)-[/home/kali]
PS> sudo ldapmodify -Y EXTERNAL -H ldapi:/// -f ACLtree.ldif
SASL/EXTERNAL authentication started
SASL username: gidNumber=0+uidNumber=0,cn=peercred,cn=external,cn=auth
SASL SSF: 0
modifying entry "olcDatabase={1}mdb,cn=config"
ldap_modify: Type or value exists (20)
    additional info: modify/add: olcAccess: value #0 already exists

```


modifies the LDAP server's access control configuration using the 'ldapmodify' tool with external authentication (no credentials required), connecting to the local LDAP server through the Unix domain socket ('ldapi:///'), and applying the changes specified in the 'ACLtree.ldif' file

```
(kali㉿kali)-[/home/kali]
PS> sudo ldapsearch -Y EXTERNAL -H ldapi:/// -b cn=config 'olcDatabase={1}mdb'
SASL/EXTERNAL authentication started
SASL username: gidNumber=0+uidNumber=0,cn=peercred,cn=external,cn=auth
SASL SSF: 0
# extended LDIF
#
# LDAPv3
# base <cn=config> with scope subtree
# filter: olcDatabase={1}mdb
# requesting: ALL
#
# {1}mdb, config
dn: olcDatabase={1}mdb,cn=config
objectClass: olcDatabaseConfig
objectClass: olcMdbConfig
olcDatabase: {1}mdb
olcDbDirectory: /var/lib/ldap
olcSuffix: dc=kabbara,dc=com
olcAccess: {0}to attrs=userPassword by self write by anonymous auth by * none
olcAccess: {1}to attrs=shadowLastChange by self write by * read
olcAccess: {2}to * by * read
olcLastMod: TRUE
olcRootDN: cn=admin,dc=kabbara,dc=com
olcRootPW: {SSHA}PTxDRjoMeLR0n2rRjxQbfAiRRlhBaMK/
olcDbCheckpoint: 512 30
olcDbIndex: objectClass eq
olcDbIndex: cn,uid eq
olcDbIndex: uidNumber,gidNumber eq
olcDbIndex: member,memberUid eq
olcDbMaxSize: 1073741824

# search result
search: 2
result: 0 Success

# numResponses: 2
# numEntries: 1
```

performs an LDAP search with external authentication (no credentials required), accessing the local LDAP server through the Unix domain socket ('ldapi:///'), and searches for the configuration of the 'mdb' database backend under the 'cn=config' entry

```

(kali@kali)~[/home/kali]
PS> sudo apt-get install phpldapadmin
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
The following additional packages will be installed:
  libapache2-mod-php8.2 php-ldap php-xml php8.2 php8.2-cli php8.2-common php8.2-ldap
  php8.2-mysql php8.2-opcache php8.2-readline php8.2-xml
Suggested packages:
  php-pear
The following NEW packages will be installed:
  php-ldap php-xml php8.2-ldap php8.2-xml phpldapadmin
The following packages will be upgraded:
  libapache2-mod-php8.2 php8.2 php8.2-cli php8.2-common php8.2-mysql php8.2-opcache
  php8.2-readline
7 upgraded, 5 newly installed, 0 to remove and 597 not upgraded.
Need to get 5,418 kB of archives.
After this operation, 3,715 kB of additional disk space will be used.
Do you want to continue? [Y/n] y
Get:1 http://archive-4.kali.org/kali kali-rolling/main amd64 php8.2-readline amd64 8.2.5-2
[12.4 kB]
Get:2 http://archive-4.kali.org/kali kali-rolling/main amd64 php8.2-opcache amd64 8.2.5-2 [
344 kB]
Get:3 http://archive-4.kali.org/kali kali-rolling/main amd64 php8.2-mysql amd64 8.2.5-2 [11
7 kB]
Get:4 http://archive-4.kali.org/kali kali-rolling/main amd64 libapache2-mod-php8.2 amd64 8.
2.5-2 [1,673 kB]
Get:5 http://archive-4.kali.org/kali kali-rolling/main amd64 php8.2-cli amd64 8.2.5-2 [1,73
2 kB]
Get:6 http://archive-4.kali.org/kali kali-rolling/main amd64 php8.2-common amd64 8.2.5-2 [6
66 kB]
Get:7 http://archive-4.kali.org/kali kali-rolling/main amd64 php8.2-ldap amd64 8.2.5-2 [31.
2 kB]
Get:8 http://http.kali.org/kali kali-rolling/main amd64 php-ldap all 2:8.2+93 [3,652 B]
Get:9 http://archive-4.kali.org/kali kali-rolling/main amd64 php8.2-xml amd64 8.2.5-2 [108
kB]
Get:10 http://http.kali.org/kali kali-rolling/main amd64 php-xml all 2:8.2+93 [3,672 B]
Get:11 http://archive-4.kali.org/kali kali-rolling/main amd64 php8.2 all 8.2.5-2 [26.5 kB]
Get:12 http://archive-4.kali.org/kali kali-rolling/main amd64 phpldapadmin all 1.2.6.3-0.3
[702 kB]
Fetched 5,418 kB in 2s (3,272 kB/s)
Preconfiguring packages ...
(Reading database ... 400308 files and directories currently installed.)
Preparing to unpack .../00-php8.2-readline_8.2.5-2_amd64.deb ...
Unpacking php8.2-readline (8.2.5-2) over (8.2.2-3) ...
Preparing to unpack .../01-php8.2-opcache_8.2.5-2_amd64.deb ...
Unpacking php8.2-opcache (8.2.5-2) over (8.2.2-3) ...
Preparing to unpack .../02-php8.2-mysql_8.2.5-2_amd64.deb ...
Unpacking php8.2-mysql (8.2.5-2) ...
Preparing to unpack .../03-php8.2-cli_8.2.5-2_amd64.deb ...
Unpacking php8.2-cli (8.2.5-2) ...
Preparing to unpack .../04-php8.2-common_8.2.5-2_amd64.deb ...
Unpacking php8.2-common (8.2.5-2) ...
Preparing to unpack .../05-php8.2-ldap_8.2.5-2_amd64.deb ...
Unpacking php8.2-ldap (8.2.5-2) ...
Preparing to unpack .../06-php8.2-xml_8.2.5-2_amd64.deb ...
Unpacking php8.2-xml (8.2.5-2) ...
Preparing to unpack .../07-php8.2-opcache_8.2.5-2_amd64.deb ...
Unpacking php8.2-opcache (8.2.5-2) over (8.2.2-3) ...
Preparing to unpack .../08-php8.2-readline_8.2.5-2_amd64.deb ...
Unpacking php8.2-readline (8.2.5-2) over (8.2.2-3) ...
Preparing to unpack .../09-php-xml_2%3a8.2+93_all.deb ...
Unpacking php-xml (2:8.2+93) ...
Preparing to unpack .../10-php8.2_8.2.5-2_all.deb ...
Unpacking php8.2 (8.2.5-2) over (8.2.2-3) ...
Preparing to unpack .../11-phpldapadmin_1.2.6.3-0.3_all.deb ...
Unpacking phpldapadmin (1.2.6.3-0.3) ...
Setting up php8.2-common (8.2.5-2) ...
Setting up php8.2-ldap (8.2.5-2) ...

Creating config file /etc/php/8.2/mods-available/ldap.ini with new version
Setting up php8.2-mysql (8.2.5-2) ...
Setting up php8.2-opcache (8.2.5-2) ...
Setting up php8.2-readline (8.2.5-2) ...
Setting up php-ldap (2:8.2+93) ...
Setting up php8.2-xml (8.2.5-2) ...

Creating config file /etc/php/8.2/mods-available/dom.ini with new version

Creating config file /etc/php/8.2/mods-available/simplexml.ini with new version

Creating config file /etc/php/8.2/mods-available/xml.ini with new version

Creating config file /etc/php/8.2/mods-available/xmlreader.ini with new version

Creating config file /etc/php/8.2/mods-available/xmlwriter.ini with new version

Creating config file /etc/php/8.2/mods-available/xsl.ini with new version
Setting up php8.2-cli (8.2.5-2) ...
Replacing config file /etc/php/8.2/cli/php.ini with new version
Setting up php-xml (2:8.2+93) ...
Setting up phpldapadmin (1.2.6.3-0.3) ...

Creating config file /etc/phpldapadmin/config.php with new version
apache2_invoke: Enable configuration phpldapadmin.conf
Setting up libapache2-mod-php8.2 (8.2.5-2) ...
Replacing config file /etc/php/8.2/apache2/php.ini with new version
libapache2-mod-php8.2: not switching MPM - already enabled
Setting up php8.2 (8.2.5-2) ...
Processing triggers for man-db (2.11.2-1) ...
Processing triggers for kali-menu (2023.1.7) ...
Processing triggers for php8.2-cli (8.2.5-2) ...
Processing triggers for libapache2-mod-php8.2 (8.2.5-2) ...

```

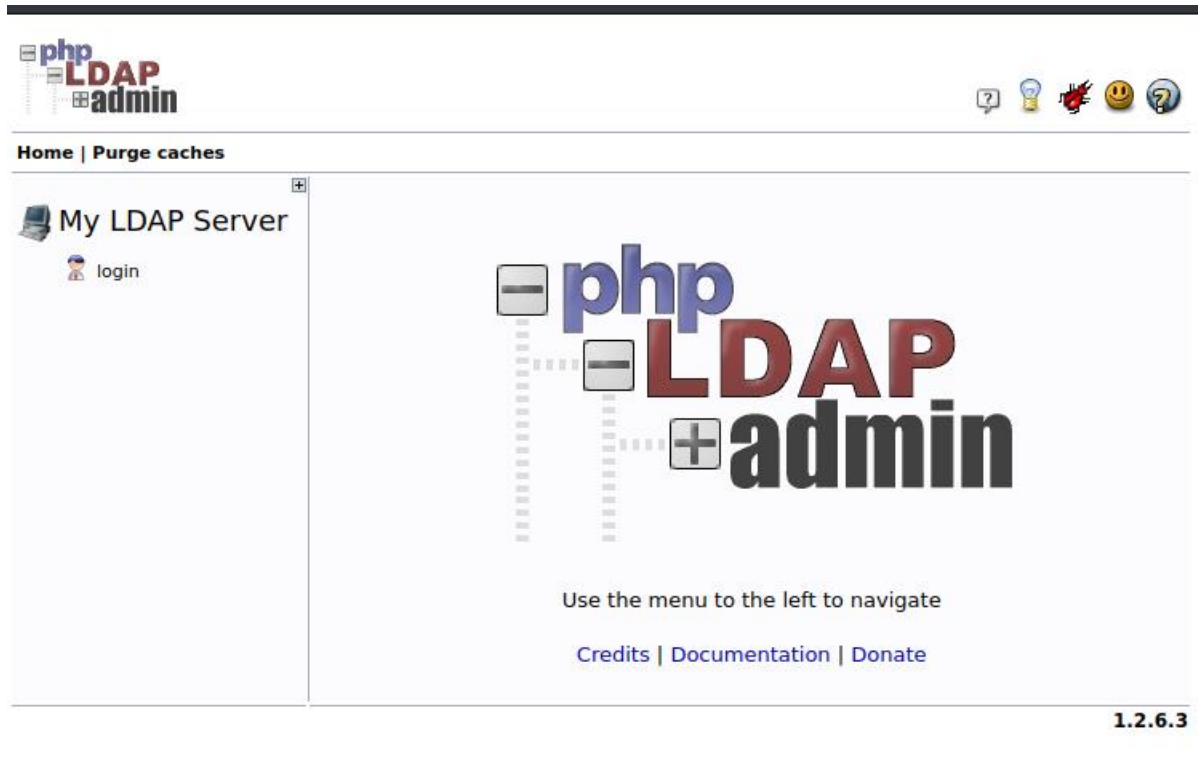
Installing phpldapadmin

```
(kali㉿kali)-[/home/kali]  
PS> sudo nano /etc/phpldapadmin/config.php
```

Changing in the configuration file of phpldapadmin

```
(kali㉿kali)-[/home/kali]  
PS> systemctl restart apache2.service
```

Restart apache service



localhost/phpldapadmin/

```
(kali㉿kali)-[/home/kali]  
PS> sudo slapcat -b dc=kabbara,dc=com -l kabbara_backup.ldif
```

Creating backup

```
(kali㉿kali)-[/home/kali]  
PS> sudo systemctl stop slapd
```

Stop the slapd

```

(kali㉿kali)-[/home/kali]
PS> sudo slapadd -c -b dc=kabbara,dc=com -F /etc/ldap/slapd.d -l kabbara_backup.ldif
mdb_id2entry_put: mdb_put failed: MDB_KEYEXIST: Key/data pair already exists(-30799) "dc=kabbara,dc=com"
⇒ mdb_tool_entry_put: id2entry_add failed: err=-30799
⇒ mdb_tool_entry_put: txn_aborted! MDB_KEYEXIST: Key/data pair already exists (-30799)
slapadd: could not add entry dn="dc=kabbara,dc=com" (line=1): txn_aborted! MDB_KEYEXIST: Key/data pair already exists (-30799)
mdb_id2entry_put: mdb_put failed: MDB_KEYEXIST: Key/data pair already exists(-30799) "ou=administration,dc=kabbara,dc=com"
⇒ mdb_tool_entry_put: id2entry_add failed: err=-30799
⇒ mdb_tool_entry_put: txn_aborted! MDB_KEYEXIST: Key/data pair already exists (-30799)
slapadd: could not add entry dn="ou=administration,dc=kabbara,dc=com" (line=15): txn_aborted! MDB_KEYEXIST: Key/data pair already exists (-30799)
mdb_id2entry_put: mdb_put failed: MDB_KEYEXIST: Key/data pair already exists(-30799) "ou=technical,dc=kabbara,dc=com"
⇒ mdb_tool_entry_put: id2entry_add failed: err=-30799
⇒ mdb_tool_entry_put: txn_aborted! MDB_KEYEXIST: Key/data pair already exists (-30799)
slapadd: could not add entry dn="ou=technical,dc=kabbara,dc=com" (line=27): txn_aborted! MDB_KEYEXIST: Key/data pair already exists (-30799)
mdb_id2entry_put: mdb_put failed: MDB_KEYEXIST: Key/data pair already exists(-30799) "cn=Alice Joe,ou=administration,dc=kabbara,dc=com"
⇒ mdb_tool_entry_put: id2entry_add failed: err=-30799
⇒ mdb_tool_entry_put: txn_aborted! MDB_KEYEXIST: Key/data pair already exists (-30799)
slapadd: could not add entry dn="cn=Alice Joe,ou=administration,dc=kabbara,dc=com" (line=39): txn_aborted! MDB_KEYEXIST: Key/data pair already exists (-30799)
mdb_id2entry_put: mdb_put failed: MDB_KEYEXIST: Key/data pair already exists(-30799) "cn=Foo Bar,ou=administration,dc=kabbara,dc=com"
⇒ mdb_tool_entry_put: id2entry_add failed: err=-30799
⇒ mdb_tool_entry_put: txn_aborted! MDB_KEYEXIST: Key/data pair already exists (-30799)
slapadd: could not add entry dn="cn=Foo Bar,ou=administration,dc=kabbara,dc=com" (line=54): txn_aborted! MDB_KEYEXIST: Key/data pair already exists (-30799)
Closing DB ...

```

Restore the backup