



# ACTIVE DIRECTORY / LDAP PLUGIN

LDAP is often used by organizations as a central repository for user information and as an authentication service. With the OrangeHRM LDAP add-on implementation the username will be the only required field for an LDAP user where the password will be automatically checked with the LDAP connection.

What are the currently supported LDAP implementation?

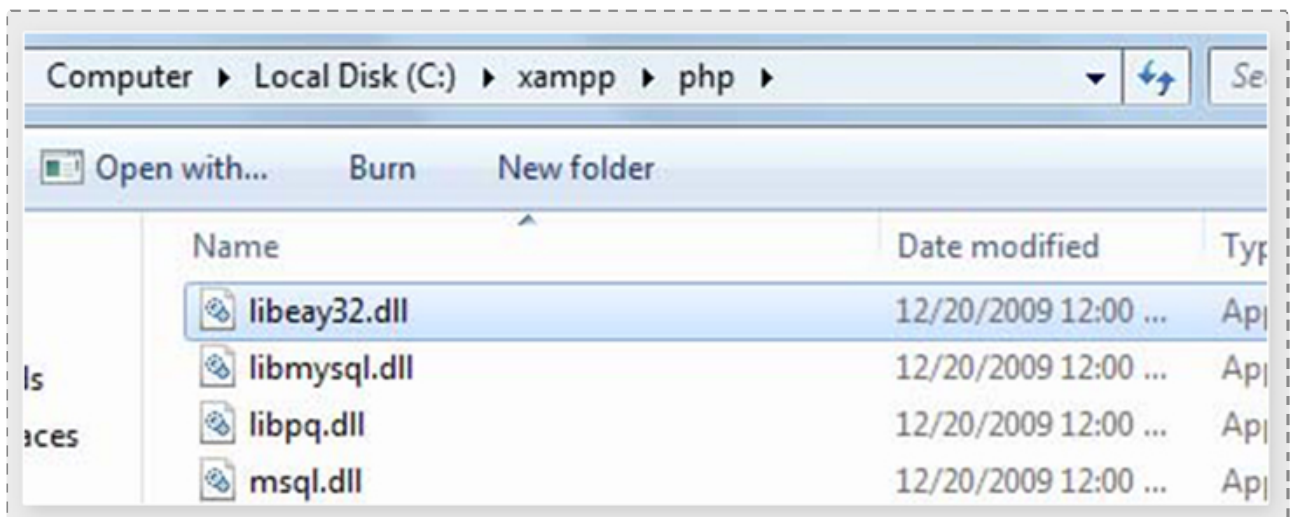
Open LDAP and MS Active directory

What are the currently supported LDAP implementation?

## Windows

From C:\xampp\php copy the following files to C:\Windows\system.

- libeay32.dll
- libsasl.dll
- ssleay32.dll



Find and edit `C:\xampp\php\php.ini` and uncomment “`extension=php_ldap.dll`” around line 965.

```
961 extension=php_imap.dll
962 ;extension=php_interbase_firebird.dll
963 ;extension=php_interbase_interbase.dll
964 ;extension=php_intl.dll
965  ;extension=php_ldap.dll
966 extension=php_mcrypt.dll
967 ;extension=php_mssql.dll
968 ;extension=php_mysql_mysqlnd.dll
969 extension=php_mysql_libmysql.dll
970 ;extension=php_mysqli_mysqlnd.dll
971 extension=php_mysqli_libmysql.dll
972 ;extension=php_oci8.dll
```

```
961 extension=php_imap.dll
962 ;extension=php_interbase_firebird.dll
963 ;extension=php_interbase_interbase.dll
964 ;extension=php_intl.dll
965  extension=php_ldap.dll
966 extension=php_mcrypt.dll
967 ;extension=php_mssql.dll
968 ;extension=php_mysql_mysqlnd.dll
969 extension=php_mysql_libmysql.dll
970 ;extension=php_mysqli_mysqlnd.dll
971 extension=php_mysqli_libmysql.dll
```

Restart XAMPP (restart Apache service) and you should now have access to the PHP LDAP functions.

Apache2.2		Name	Description	Status	Startup Type	Log On As
<a href="#">Stop</a> the service		ActiveX Installer (...)	Provides Us...		Manual	Local System...
<a href="#">Restart</a> the service		Adaptive Brightness	Monitors a...		Manual	Local Service
		Adobe Flash Playe...	This service ...		Manual	Local System...
		Akamai NetSessio...	Provides ne...	Started	Automatic	Local System...
		Andrea ADI Filters ...		Started	Automatic	Local System...
		Apache2.2	Apache/2.2....	Started	Automatic	Local System...
		Apple Mobile Devi...	Provides th...	Started	Automatic	Local System...
		Application Experi...	Processes a...	Started	Manual	Local System...
		Application Identity	Determines ...		Manual	Local Service
		Application Infor...	Facilitates		Manual	Local System...

Description:  
Apache/2.2.14 (Win32) DAV/2  
mod\_ssl/2.2.14 OpenSSL/0.9.8l  
mod\_autoindex\_color PHP/5.3.1  
mod\_apreq2-20090110/2.7.1  
mod\_perl/2.0.4 Perl/v5.10.1

## Linux

- Install php-ldap
- \* Debian base "apt-get" RHEL base yum
- Then make sure the LDAP is enabled in the server by creating a php info file.

### How can I create a phpinfo.php page?

- To create a phpinfo file, open a plain text file, add the following lines, and save:

Filename: phpinfo.php

```
<?php
phpinfo();
?>
```

- Upload the file to the server. You should upload your file to the exact directory you want to test. Typically, this will be your html (/home/00000/domains/example.com/html/)
- Visit the page in your browser. If you uploaded it to your html directory, you should now visit <http://www.example.com/phpinfo.php>, replacing example.com with your own domain name.
- Now you can view all of the information about PHP for your server for that particular directory. (Refer the below section)

### Idap

<b>LDAP Support</b>	enabled
<b>RCS Version</b>	\$Id: ldap.c 299434 2010-05-17 20:09:42Z pajoye \$
<b>Total Links</b>	0/unlimited
<b>API Version</b>	3001
<b>Vendor Name</b>	OpenLDAP
<b>Vendor Version</b>	20423
<b>SASL Support</b>	Enabled

## How to Configure LDAP ?

- 📍 HR Admin configures the settings required by the LDAP add-on for authentication.
- 📍 Once the LDAP Authentication add-on is installed, there should be a menu item with text "LDAP Configuration" under the Admin menu. This menu should only be visible to HR Admins.
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- 📍 Upon clicking this menu item, the LDAP Authentication add-on configuration screen will be loaded. This screen will be accessible only by HR Admin users.

**LDAP Configuration**

LDAP Server \*  Ex: 192.168.1.200

LDAP Port  Ex: 389

LDAP Implementation

LDAP Protocol

LDAP User Suffix \*  Ex: u=john,dc=orangehrm,dc=com

Enable LDAP Authentication

\* Required field

**Save**

Below fields should be configured

- 📍 LDAP Server  
Should be a valid domain name or an IP address
- 📍 LDAP Port  
Should be an integer between 1 and 65535
- 📍 LDAP implementation  
Open LDAP or MS Active Directory
- 📍 LDAP Protocol  
LDAP or LDAPS
- 📍 LDAP User Suffix\*  
Should be a valid LDAP Binding string (\* User Suffix can not contains hypens)

- 📍 Upon clicking this menu item, the LDAP Authentication add-on configuration screen will be loaded. This screen will be accessible only by HR Admin users.

## How to configure LDAP user suffix in open LDAP and MS Active Directory?

According to the implementation of open LDAP and MS Active Directory user suffix should be given as below.

- 📍 Open LDAP  
Ex: u=john,dc=orangehrm,dc=com
- 📍 MS Active Directory - Only the domain name  
Ex : example.com

## How OrangeHRM manage anonymous LDAP user in open LDAP ?

If open LDAP uses anonymous search not enabled we have to put a authorized user who can search the directory tree.

Client needs to contact OrangeHRM support on this. There is a configuration in the LDAP add-on need to be enabled.

## How OrangeHRM manage anonymous LDAP user in open LDAP ?

Create same LDAP user name in OrangeHRM system and **save the user account without the password.**

## How do I find OrangeHRM log file?

Go to OrangeHRM/symfony/log directory. There you can see orangehrm.log file

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