**MOODLE LMS**

Implementation Document

**Authors**

|  |  |  |  |
| --- | --- | --- | --- |
| Revision History | | | |
| Name | Revision Date | Version | Description of Changes |
| Azmat Ullah | 14 Sep 2015 | 0.0.1 | First Draft |
|  |  |  |  |
|  |  |  |  |

# Table of Contents

Contents

[Table of Contents 3](#_Toc429755759)

[Introduction 4](#_Toc429755760)

[1. XAMPP Deployment 4](#_Toc429755761)

[1.1. Downloading XAMPP 4](#_Toc429755762)

[1.2. Installing XAMPP 4](#_Toc429755763)

[1.3. Testing XAMPP Installation 5](#_Toc429755764)

[2. Database Installation 6](#_Toc429755765)

[2.1. Create MySQL Database 6](#_Toc429755766)

[2.2. Import Enperio database(mdl28.sql) into MySQL database 6](#_Toc429755767)

[2.3. Change XAMPP upload size limit 7](#_Toc429755768)

[3. Enperio Deployment 7](#_Toc429755769)

[3.1. Enperio Setup 7](#_Toc429755770)

[3.2. Access Enperio 7](#_Toc429755771)

# Introduction

This document aims to provide basic guidance on deployment of Enperio LMS on Apache Local Server on Windows platform. The document makes the assumption that the server used will Apache and that the reader is familiar with basic LMS administration.

You need to have following component for deploying Enperio LMS on local machine.

1. XAMPP
2. Enperio folder (enperio\_mdl28)
3. Enperio data folder (enperio\_mdl28data)
4. Enperio database file (mdl28.sql)
5. Admin credentials (credentials.txt)

The deployment phase divided into three stages:

1. XAMPP (Apache-MySQL-PHP) Deployment
2. Database Deployment
3. Enperio Deployment

# XAMPP Deployment

## Downloading XAMPP

Download latest XAMPP version from here <https://www.apachefriends.org/download.html>.

XAMPP is available in three file formats:

1. .EXE – Self-executable file; easiest to install.
2. .7z – 7zip file. Favored by purists, although it requires working with more complicated .bat files to install.
3. .ZIP – Compressed zip file. Like .7z, installing through .ZIP files is considerably more difficult than using .EXE

Since .EXE is the easiest to install, we will use this file format for this tutorial.

## Installing XAMPP

Follow these steps for installing XAMPP:

1. Disable your anti-virus as it can cause some XAMPP components to behave erratically
2. Start the installation process by double-clicking on the XAMPP installer. Click ‘Next’ after the splash screen
3. Choose the folder you want to install XAMPP in. This folder will hold all your web application files, so make sure to select a drive that has plenty of space
4. The next screen is a promo for BitNami, an app store for server software. Deselect the ‘Learn more about BitNami for XAMPP’ checkbox, unless you actually enjoy receiving promo mails!
5. Setup is now ready to install XAMPP. Click Next and wait for the installer to unpack and install selected components. This may take a few minutes. You may be asked to approve Firewall access to certain components (such as Apache) during the installation process
6. Installation is now complete! Select the ‘Do you want to start the Control Panel now?’ checkbox to open the XAMPP control panel from yourpath>xampp folder

Note:

* It recommended to install XAMPP on any directory (i.e. D:/xampp) rather than C:/
* You can access XAMPP control panel from yourpath>xampp folder and click on xampp-control.exe

## Testing XAMPP Installation

Follow these steps to test your XAMPP installation by launching the Apache web server

1. In the XAMPP control panel, click on ‘Start’ under ‘Actions’ for the Apache module. This instructs XAMPP to start the Apache webserver
2. Similarly click on 'Start' button for PHP and MYSQL module
3. Open your web browser and type in: http://localhost or 127.0.0.1
4. Select your language from the splash screen
5. If you see screen which shows XAMPP welcome message. This means you’ve successfully installed XAMPP on your computer

Note:

By default Apache server takes port 80, In some cases other application like skype already run on system on same port so first sign out from the skype and run apache server. Now if you sign in from Skype then it will take another port.

Follow these steps to change the XAMPP server port number:

1. Stop the XAMPP server, if it is running already.
2. Open the file [XAMPP Installation Folder]/apache/conf/httpd.conf.
3. Now search for the string Listen 80 (I’m assuming that your XAMPP was using the port 80. Otherwise, just search for the string ‘Listen’Â). This is the port number which XAMPP uses. Change this 80 to any other number which you prefer.
4. Then search for the string ServerNameÂ and update the port number there also.
5. Now save and re-start XAMPP server and you are done.

# Database Setup

## Create MySQL Database

To create a MySQL database for your Enperio LMS, use the phpmyadmin utility included with XAMPP. Follow these steps to create a database.

1. Ensure that you have run Apache & MySQL from XAMPP control panel
2. Open your web browser and type in: http://localhost/phpmyadmin
3. When phpmyadmin has launched in your browser window, enter the name of your database in the “Create new database”
4. From the "Collation" drop down list select "utf8\_unicode\_ci"
5. Click the “Create” button to create the database

## Change XAMPP upload size limit (optional)

Follow the bellow steps for changes default uploading size of XAMPP

1. Stop Apache server from XAMPP control panel
2. Go to yourpath>xampp>php> and open file 'php.ini' on editor
3. Search the following PHP variables and set values
   * post\_max\_size = 2M
   * max\_execution\_time = 30
   * upload\_max\_filesize = 2M
4. Now save and close the 'php.ini' file
5. Start apache server from XAMPP control panel
6. Repeat 'Import Enperio database(mdl28.sql) into MySQL database' process

# LMS Deployment

Before Moodle deployment ensure that you have already run Apache and MySQL from XAMPP control panel.

## Enperio Setup

Follow these steps for Enperio deployment

1. Download Moodle from this link <https://download.moodle.org/>
2. Extract Moodle zip file into yourpath>xampp>htdocs folder
3. Access moodle folder from your browser and type http://localhost/moodle
4. Provide paths for Moodle installation
   1. Moodle Web Address <http://localhost/moodle>
   2. Moodle Data directory yourpath:\xampp\moodledata
5. Provide Database information
   1. Database host: localhost
   2. Database name: <Created database name in section 2.1>
   3. Database user: root
   4. Database password : <It will be blank by default>
   5. Table prefix : <Remains same>
6. Click ‘Next’ button to continue
7. Next page provide server checkup information and following status
   1. Red : Critical (Installation could not continue)
   2. Yellow: Warning (Installation could be continue but some problems may occurs on modules)
   3. Green : Ok
8. Click on ‘Continue’ button
9. Now installation page being ready to start and after completion click on ‘Continue’ button
10. After Installation, Admin account will be created and this will be super admin of a LMS

## Access Moodle

1. Open a browser and access Moodle by URL http://localhost/moodle
2. Login with your id and password which you created in above section 3.1.

Congratulation! You have successfully deployed Moodle LMS.