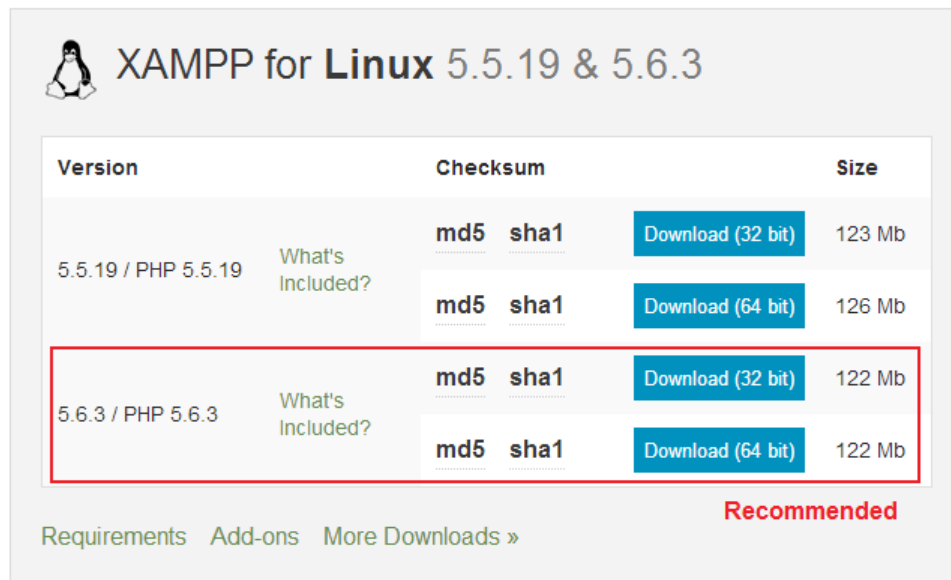# On Premises Server Linux

On Premises Output Time Installation

You can download the Installer Package zipped and update in WampServer installed folder (../Xampp/www).
After installing WampServer , you can signed up for Output Time with the details and 30 Days Trail License key sent in the mail.

Installating Xampp Server

Downloading Xampp Server

Step 1: Download the installer file for the latest version of Xampp Server
https://www.apachefriends.org/download.html

Open terminal and download XAMPP 1.8.3 package.

for 32-bit:

```
wget http://sourceforge.net/projects/xampp/files/XAMPP%20Linux/1.8.3/
xampp-linux-1.8.3-2-installer.run/download
```

for 64-bit:

```
wget http://sourceforge.net/projects/xampp/files/XAMPP%20Linux/1.8.3/
xampp-linux-x64-1.8.3-2-installer.run/download
```
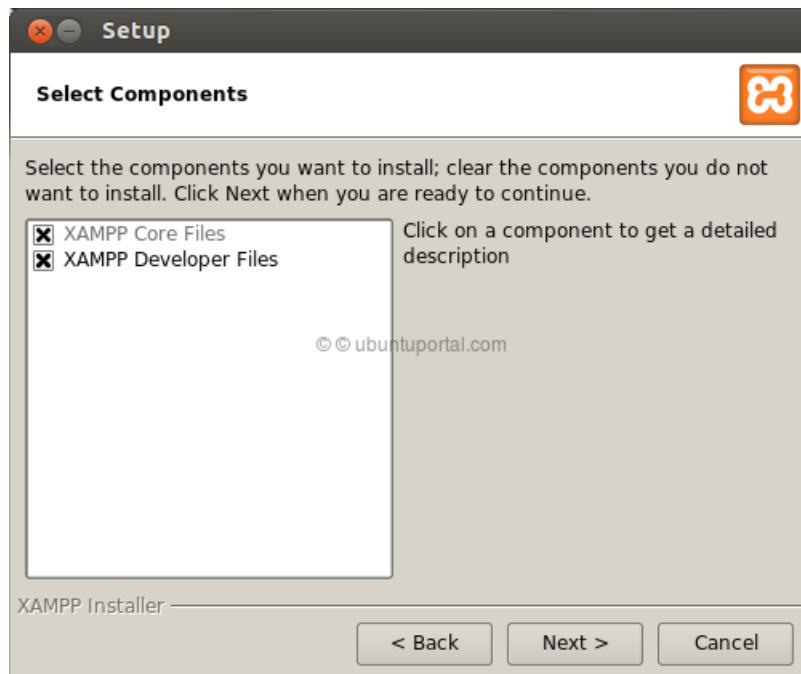
Step 2: After that, Change xampp package installer to executable then run to installing with following command:

```
sudo chmod +x xampp-linux-x64-1.8.3-2-installer.run
sudo ./xampp-linux-x64-1.8.3-2-installer.run
```
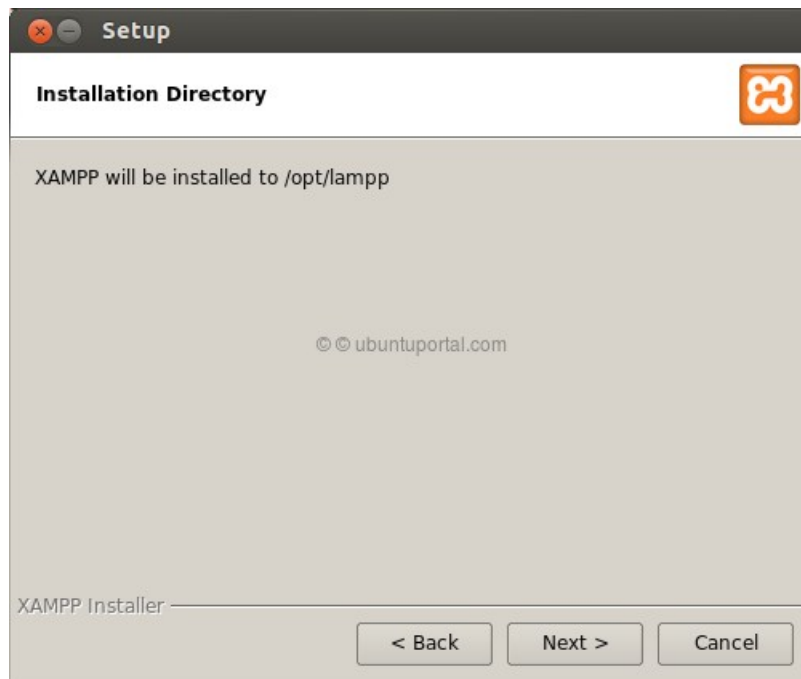
The window installation wizard will appear and Click "Next".

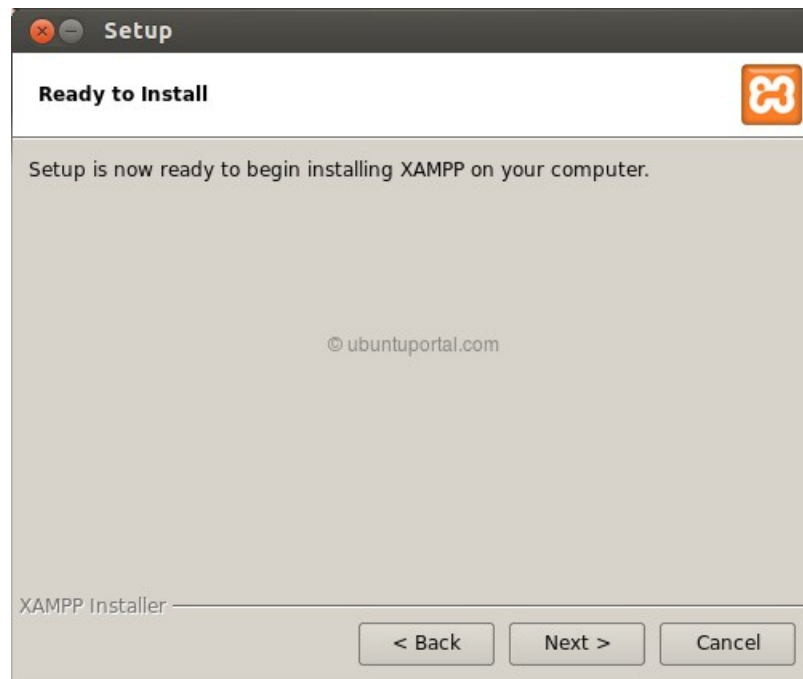Select Components and Click "Next".

Xampp Installation directory is displayed.

Uncheck "Learn more about BitNami for XAMPP" and click "Next".

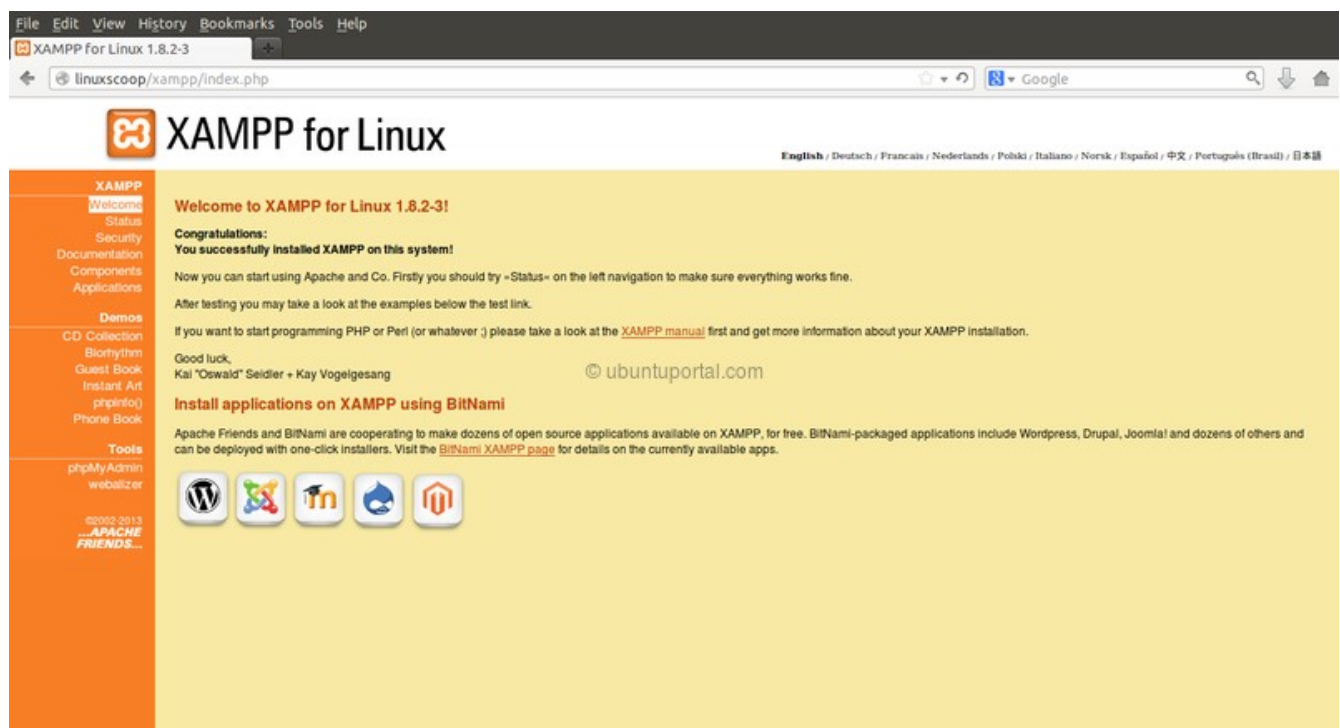Setup now ready to Install and Click "Next".

Unpacking the files and starts installation.

Completing the Xampp setup wizard.

When you checked "launch XAMPP" before clicking finish a page will open in your browser, If the page does not open automatically, go into your browser's address and type http://localhost/xampp.
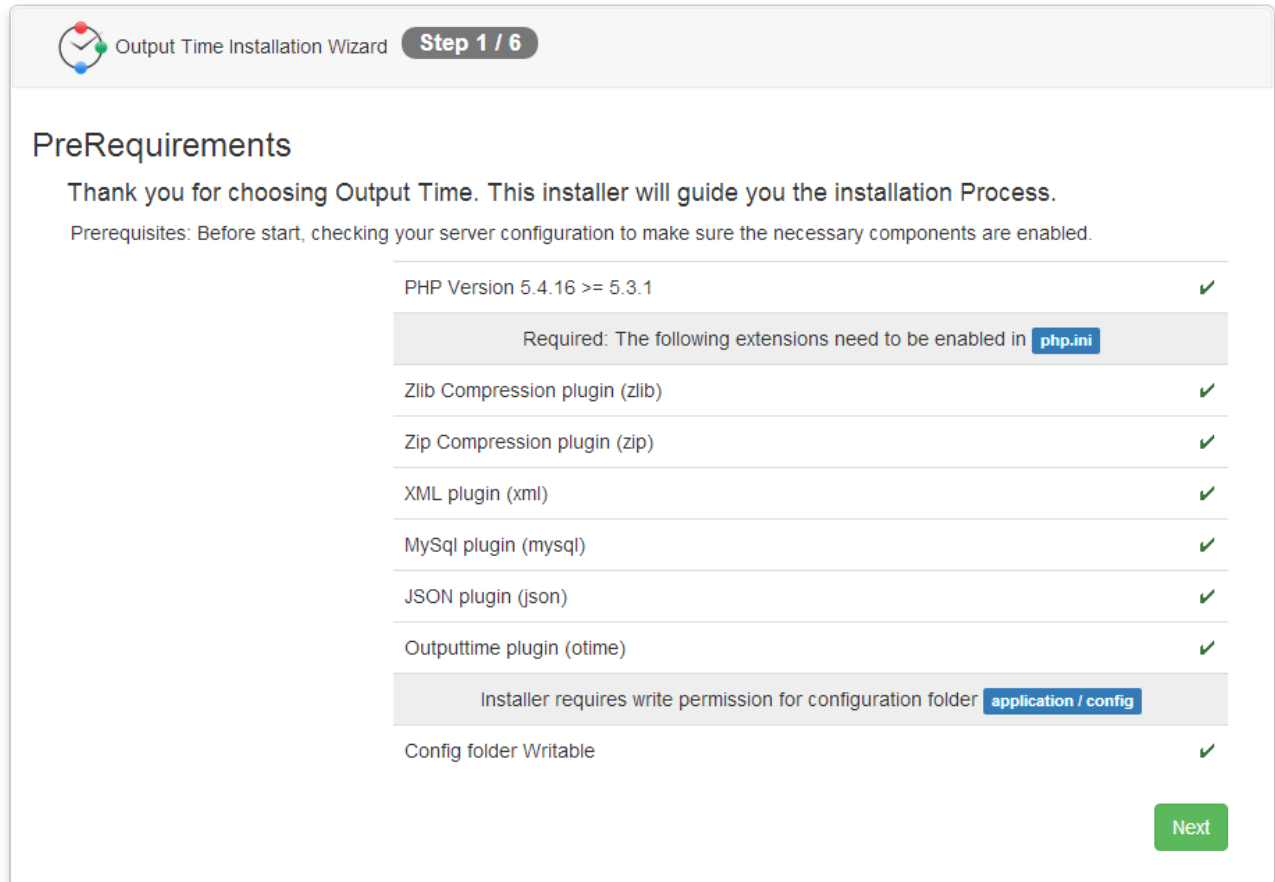

To start the XAMPP service

```
sudo /opt/lampp/lampp start
```

Installing Output Time

Extract the downloaded outputtime zip file and copy the outputtime folder. Then paste it in C:\wamp\www. (You can rename the outputtime folder to any other name). Now open a web browser and go to: http://localhost/outputtime/

Pre-Requirements

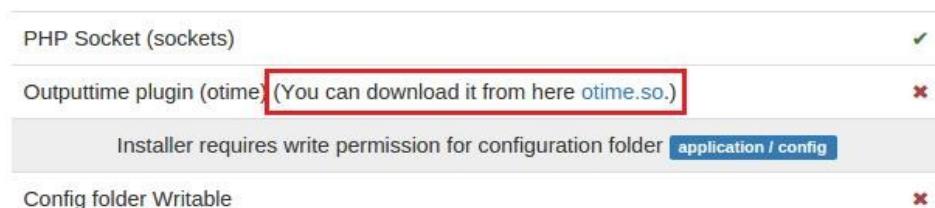Before installation , You should check your server configuration to make sure the below components are enabled.

I) Installer requires write permission for the configuration folder
II) PHP version should be 5.3.1 and above.
III) You need to enable the PHP extensions in php.ini. Extensions are:

      a) Zlib Compression Plugin
      b) Zip Compression Plugin
      c) XML Plugin
      d) MySql Plugin
      e) Jason Plugin
      f) Curl Plugin
      g) PHP Scoket
      h) Output Time Plugin (You can download the otime.so from the link in the installer)

You can copy the otime.so file in

```
/opt/lampp/lib/php/extensions/no-debug-non-zt-xxxxxxx folder
```

If the folder is not found, you can use the following command to find the folder

```
/opt/lampp/bin/php-config --extension-dir
```

Add this extension line in php.ini { extension=otime.so }

```
; tab-width: 4
; End:

extension="otime.so"
```

Set `max_execution_time` to Zero in php.ini

```
;;;;;;;;;;;;;;;;;;;
; Resource Limits ;
;;;;;;;;;;;;;;;;;;;

; Maximum execution time of each script, in seconds
; http://php.net/max-execution-time
; Note: This directive is hardcoded to 0 for the CLI SAPI
max_execution_time = 0
```

Change the MySQL configuration in my.cnf by inserting the line `sql_mode=""` in it.

```
[mysqld]
port=3306
sql_mode=""
```

After all plugins are enabled, you should restart Xampp to enable the settings.
In Installer home screen all plugins should be enabled with "Yes" option and Next button is active to move next page of the installer.

Configure Notification Service

- Install NodeJS from https://nodejs.org/en/download/

- Open Terminal

- Install New Notification Service using following commands.
```
$ cd \var\www\html\ouptuttime\node
$ node install.js
```

- Edit this file `ouptuttime/node/config.ini`

- In `php_process` section, update the `exe`, `file` attribute values
  Sample Paths.
```
exe=/usr/bin/php
file=/var/www/html/outputtime/index.php
```

- Start the new notification service.
```
$ sudo service otnotify start
```

Database Configuration

Choose the Data base driver and provide the Host name, User name , Password and Database name.

Login Details

Remember the Email and Password which is used to login for the first time as Administrator.
With the Configuration details , you need apply the License key received from online registration.Click 'Next'.

SMTP Details

To configure multiple outbound email settings, you can provide your SMTP details or you can skip this step. Provide your fully qualified domain name or your SMTP server IP address and your listening Port number. Provide the login credentials(SMTP User Name and Password) in order to connect to the SMTP server and send the emails. Click Next.

Finalizing Installation

Verify the details provided and if you want to change click on Previous. Click Install to start the installation.

On successful configuration, you will have a link 'Click here to continue' to access your installed Output Time Application.