Installation Sheet Moodle - Learning Mangement System Spoken Tutorial Team IIT Bombay



# 1 The procedure to install Moodle on Ubuntu Linux 16.04

## 1.1 Getting ready for Moodle installation

- 1. To follow the installation procedure, you need to be connected to the internet.
- 2. Locate the tutorial Getting ready for Moodle installation.
- 3. This tutorial explains the prerequisites for installing Moodle on Ubuntu Linux OS.
- 4. At 0.50 the tutorial mentions the system prerequisites for installing Moodle. Make sure you have the right configuration machine.
- 5. At 2.28 the tutorial explains to check whether **XAMPP** installation is already installed in your Ubuntu Linux system.
- 6. At 4:02 the tutorial shows to check the version of PHP on your system.
- 7. At 4:50 the tutorial shows to check the version of MariaDB on your system.
- 8. At 7:00 the tutorial shows that the XAMPP is running successfully.
- 9. If you get an error in XAMPP related to port refer to section 3 XAMPP Errors of this sheet for solution.
- 10. At 7:12 the tutorial explains to add a user and create a database for Moodle.
- 11. Follow the instruction from 7:12 and proceed to do the setup as shown in the tutorial.

### 1.2 Installing Moodle on Local Server

- 1. Locate the tutorial Installing Moodle on Local Server.
- 2. At 1:44 the tutorial explains how to launch XAMPP and to check the DOCUMENT\_ROOT path where the Moodle has to be installed.
- 3. At 2:48 the tutorial explains to go to the official website of Moodle which is www.moodle.org
- 4. To follow our tutorial, Moodle 3.3 can be downloaded from the link: http://www.spoken-tutorial.iitb.ac.in/moodle
- 5. Follow the instruction from 2:57 and proceed ahead.
- 6. At 10:23, the tutorial shows some error under **Other Check** option. If you get the same error, please refer to the **Additional reading material** link of this tutorial for solution.
- 7. Proceed with the setups as shown in the tutorial and complete the installation.
- 8. At 14:10, we can see the Moodle site which is ready to use.
- 9. To practise using the side-by-side method, adjust the size of the web browser containing the video to the left half of your screen. On the right half open and fit the web browser containing Moodle page.

## 2 The procedure to install Moodle on Windows 10

## 2.1 Follow the given steps

- 1. To follow the installation procedure, you need to be connected to the internet.
- 2. Go to the given link to download moodle: https://download.moodle.org/download.php/windows/MoodleWindowsInstaller-latest-33.zip
- 3. Open file explorer by pressing Windows + E. Browse to the folder where you have saved the Moodle zip file.
- 4. Create a folder **Moodle** in C drive. Right-click on the zip file and select Extract All. Click on Browse option and select C drive and then Moodle folder. (eg: C:\Moodle). Click on the **Next** button.
- 5. Go to the Moodle folder.
- 6. Double click on **Start Moodle** application. It will open command prompt and start the **Apache** and **MySql** services.
- 7. If you get an error in XAMPP related to port refer to section 3 XAMPP Errors of this sheet for solution.
- 8. If firewall is enabled, a dialog box appears. Click "Allow access"
- 9. To check whether **Apache** and **MySql** services are started, go to C:\Moodle \server and open **xamppcontrol** application. This will open **xampp control** panel. Select language from the language dialog box. Click on Save.
- 10. Open browser and type localhost in the url. This will redirect to Moodle installation page.
- 11. Choose a language. English is the default. Click on "Next" button.

#### 2.1.1 Verify the Moodle paths

- 1. Web address: http://localhost
- 2. Moodle directory: C:\Moodle\server\moodle
- 3. Data directory: C:\Moodle\server\moodledata
- 4. Click on "Next" button.

#### 2.1.2 Database configuration page

In the Database configuration page

- 1. Enter your database credentials
- 2. Database host: localhost (by default localhost)
- 3. Database name: moodle-st
- 4. Database user: moodle-st
- 5. Database password: moodle-st

### 2.2 Proceed with the given steps

- 1. Let other fields remain as they are. Click "Next" button
- 2. Read the licence agreement and click "Continue"
- 3. Next is the **Server checks** page.
- 4. Scroll down to see the message "Your server environment meets all minimum requirements". Click on Continue.
- 5. This step may take some time depending on your system configuration. Click Continue when you get a success message for the installation.
- 6. The next page is for administrator configuration. Enter the username that you want for the Moodle Administrative page.

- 7. username: admin
- 8. Password: Spokentutorial1@
- 9. Email address: priyankaspokentutorial@gmail.com
- 10. Note down the username and password that you have created for future use.
- 11. Select your country as **India** and timezone as **Asia/Kolkata** from the dropdowns. Click on "Update profile" button.
- 12. If you get any error, Go to C:\Moodle\server\moodledata and delete all the files and folder inside **moodledata** folder. Reload the homepage.
- 13. Next page is the front page settings. This is the page people will see when they visit the Moodle site. Enter your details.
- 14. Full site name: Digital India LMS
- 15. Short name: Digital India LMS
- 16. Under New settings-Location settings, select India/Kolkata as Default timezone.
- 17. In the Outgoing mail configuration window, add .com at the end of noreply@localhost
- 18. Click on "Save Changes" button.
- 19. You can see the front page of the moodle site.
- 20. To practise using the side-by-side method, adjust the size of the web browser containing the video to the left half of your screen. On the right half open and fit the web browser containing Moodle page.

# 3 XAMPP - Errors

Go through the information given below if you get an error as shown below:

## 3.1 Apache port error

1. Here, the message says that Port 443 in use by some other program. We need to assign a different port number.

🔀 XAMPP Control Panel v3.2.1 [Compiled: May 7th 2013] —									×
8	XAN	🅜 Co	onfig						
Service	Module	PID(s)	Port(s)	Actions				i 🙆 Net	tstat
	Apache			Start	Admin	Config	Logs	🗾 🔤 SI	hell
	MySQL			Start	Admin	Config	Logs	🔁 Exp	olorer
	FileZilla			Start	Admin	Config	Logs	🦻 Ser	vices
	Mercury			Start	Admin	Config	Logs	0 H	elp
	Tomcat			Start	Admin	Config	Logs	<u></u> Q	luit
13:15:36       [main]       Initializing Modules         13:15:36       [Apache]       Problem detected!         13:15:36       [Apache]       Pot 443 in use by ""C:\Program Files (x86)\VMware\VMware Workstation\vmware-host         13:15:36       [Apache]       Pot 443 in use by ""C:\Program Files (x86)\VMware\VMware Workstation\vmware-host         13:15:36       [Apache]       Apache WILL NOT start without the configured ports free!         13:15:36       [Apache]       You need to uninstall/disable/reconfigure the blocking application         13:15:36       [Apache]       or reconfigure Apache and the Control Panel to listen on a different port         13:15:36       [main]       Starting Check-Timer         13:15:36       [main]       Control Panel Ready									e"

## **3.2** Solution to resolve the error:

1. Click on Apache Config.

8								
ខ	XA	Jero Config						
- Modules Service	Module	PID(s)	Port(s)	Actions				Netstat
×	Apache	2264 3564	80, 444	Stop	Admin	Config	Logs	Shell
×	MySQL	356	3306	Stop	Admin	Config	Logs	🔁 Explorer
×	FileZilla			Start	Admin	Config	Logs	🐶 Services
	Mercury			Start	Admin	Config	Logs	🕑 Help
×	Tomcat			Start	Admin	Config	Logs	Quit

## 2. Select Apache (httpd-ssl.conf)

8			XAMPP Contr	ol Panel v3	3.2.1 [ Com	npiled: May	7th 2013 ]		
8	XAI	MPP Contr			🎤 Config				
Modules Service	Module	PID(s)	Port(s)	Actions				i Netstat	
×	Apache			Start	Admin	Config	Logs	🖬 Shell	
×	MySQL	1036	3306	Stop	Admin	Config	Apache (ł	nttpd.conf)	
				otop		comg	Apache (ł	nttpd-ssl.conf)	
×	FileZilla			Start	Admin	Config	Apache (httpd-xampp.conf)		
	Mercury			Start	Admin	Config	PHP (php	.ini)	
×	Tomcat			Start	Admin	Config	phpMyAc	lmin (config.inc.php)	
							<browse></browse>	· [Apache]	
3:02:01 PN	[Apache]	Problem detec	ted!				<browse></browse>	· [PHP]	
3:02:01 PN	[Apache]	Port 81 in use	by ""C:\Bitnami\	DRUPAL~1.	1-1\apache2	\bin\httpd.e	<browse></browse>	[phpMvAdmin]	
3:02:01 PN	[Apache]	Apache WILL	NOT start withou	t the configu	ired ports free	e!		40.00.00.000	
Modules Service	Module Apache MySQL FileZilla Mercury Tomcat [Apache] [Apache] [Apache]	PID(s) 1036 Problem detec Port 81 in use Apache WILL	Port(s) 3306 ted! by ""C:\Bitnami\ NOT start withou	Actions Start Stop Start Start Start DRUPAL~1. the configure th	Admin Admin Admin Admin Admin 1-1\apache2 red ports free	Config Config Config Config Config	Logs Apache (ł Apache (ł Apache (ł PHP (php phpMyAc <browse> <browse></browse></browse>	Netstat Shell Method: Metho	

- 3. httpd-ssl.conf file will be opened in the notepad.
- 4. Press CTRL+F to search for Listen 443. Change port 443 to 444 and save the document.

httpd-ss	sl.conf - Notepad		
File Edit Format View Help			
<pre># # This is the Apache server configuration file providing SSL support. # It contains the configuration directives to instruct the server how to # serve pages over an https connection. For detailed information about these # directives see <url:http: 2.4="" docs="" httpd.apache.org="" mod="" mod_ssl.html=""> # # Do NOT simply read the instructions in here without understanding # what they do. They're here only as hints or reminders. If you are unsure </url:http:></pre>	Find	×	
# consult the online docs. You have been warned.	Find what: listen 443	<u>F</u> ind Next	
<pre># # Required modules: mod_log_config, mod_setenvif, mod_ssl, # socache_shmcb_module (for default value of SSLSessionCache)</pre>	Direction ☐ Match case	Cancel	
#			
The second secon	sl.conf - Notepad		
File Edit Format View Help			
<pre># When we also provide SSL we have to listen to the # standard HTTP port (see above) and to the HTTPS port # Listen 444</pre>			
<pre>## ## SSL Global Context ## ## All SSL configuration in this context applies both to ## the main server and all SSL-enabled virtual hosts. ##</pre>			

5. Click on XAMPPconfig (On Top Right )

8								
8		🎤 Config						
Modules Service	Module	PID(s)	Port(s)	Actions				Netstat
×	Apache			Start	Admin	Config	Logs	🔟 Shell
×	MySQL	1036	3306	Stop	Admin	Config	Logs	Explorer
×	FileZilla			Start	Admin	Config	Logs	Prices
	Mercury			Start	Admin	Config	Logs	😣 Help
×	Tomcat			Start	Admin	Config	Logs	Quit

6. In the next window, Click on Service and Port Settings

😕 Configuration of Control Panel 🗕 🗖 🗙								
Editor:								
Browser (empty = system default)								
Autostart of modules								
Apache FileZilla Tomcat								
MySQL Mercury Selected modules will be started on next launch of the Control Panel.								
Start Control Panel Minimized								
<ul> <li>Enable Tomcat output window</li> </ul>								
<ul> <li>Check default ports on startup</li> </ul>								
Show debug information								
Change Language Service and Port Settings								
User Defined Files Log Options								
🗙 Abort 🛛 🖋 Save								

7. Go to Apache tab, change SSI Port from 443 to 444 and click on save.

😫 Service Settings – 🗆 🗙								
Use this form to set service-specific and default port settings. You can set the name and default ports the XAMPP Control Panel will check. Do not include spaces or quotes in names. This does NOT change the ports that the services and programs use. You still need to change those in the services' configuration files.								
Apache MySQL FileZilla Mercury Tomcat								
Service Name Main Port SSL Port								
Apache2.4 81 444								
🗙 Abort 🖌 Save								

- 8. Close Xampp and restart Apache and MySQL services.
- 9. The below screen shows that all services are running successfully.

🔀 XAMPP Control Panel v3.2.1 [Compiled: May 7th 2013] - 🗆 🗙										
83	XA	XAMPP Control Panel v3.2.1								
Service	Module	PID(s)	Port(s)	Actions				Netstat		
×	Apache	8396 7008	80, 444	Stop	Admin	Config	Logs	Shell		
×	MySQL	8104	3306	Stop	Admin	Config	Logs	Explorer		
×	FileZilla			Start	Admin	Config	Logs	🦻 Services		
	Mercury			Start	Admin	Config	Logs	Help		
×	Tomcat			Start	Admin	Config	Logs	Quit		
13:31:52 13:31:52 13:31:52 13:31:52 13:31:52 13:31:52 13:31:54 13:31:55 13:32:00 13:32:01	[main] [main] [main] [main] [Apache] [Apache] [mysql] [mysql]	Checking for All prerequisi Initializing M Starting Chec Control Pane Attempting to Status chang Attempting to Status chang	prerequisites tes found odules ck-Timer I Ready o start Apache app ge detected: runnin o start MySQL app ge detected: runnin	) ng ) ng				~		

XAMPP Control Panel v3.2.1 [Compiled: May 7th 2013]