DEPLOYMENT GUIDE

Centre of Professional Development

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1. Introduction

1.1 Purpose of this document

This is an installation guide for the project Centre for Professional Development (CPD)

1.2 Points of Contact

- End-user
- Admin

1.3 System Overview

- A software system based on the Windows.
- Graphical Scheduler system for notification
- System name or title: CPD
- System code: WP7
- System category:
- Major application: The Centre for Professional Development (CPD) project is a shared client database that will be developed as a web application. Keeping business needs in mind, the project was thoroughly researched and calculated to set out milestones appropriate to its execution.
- Operational status:

☐ Operational

☐ Development

2. Installation Plan

2.1 Scope

This document outlines the process to install the server, database, and other relevant components to run the CPD on client's local host.

2.2 Environment

Microsoft Windows (version 10 or above)

2.3 Tasks

- Complete pre-requisites for installation
- Prepare relevant downloads
- Copy and past files to server
- Make relevant connections to server with database

- Run local host

2.4 Security

Security is provided through relevant plugins from the server and database.

2.7 Backup Procedure

Backup will be done manually for the local host.

3. System Requirements

3.1 Overview the installation

Installation will require configuration of relevant server ports, and database plugin to run.

3.2 Software Requirements

- XAMPP: contains the Apache server and MySQL Database
- Microsoft Windows
- Compatible browser

3.3 Hardware Requirements

Desktop/Laptop with minimum 32/64-bit system (other details specified in software requirement document)

3.4 Operating Systems

- Windows

3.5 Database Support

- Detailed instructions to connect the database can be found in the Appendices.
- To download the database and MySQL files, MyPHP Admin is used.
- Relevant files have already been copied to the XAMPP server in the HTDocx
- Import the MySQL files using the MyPHP Admin and configure the password, port, and database name, and save changes
- Database is successfully connected to server

4. Installing the MSR

4.1 Prerequisites

- Install database

- Prepare program files

4.2 Preparing to install components

- XAMPP
- Run Apache and MySQL
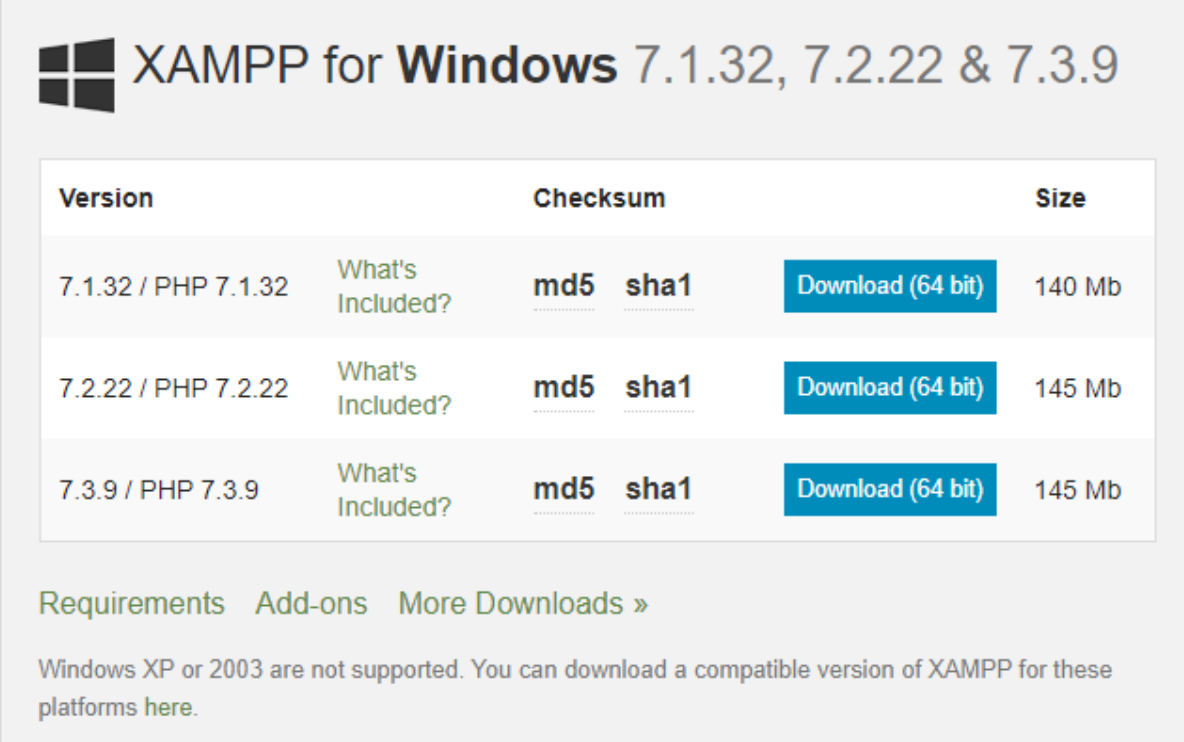- Select ports to connect server and applications, and relevant locations

4.3 Upgrading from Version

This is the first version of the CPD web app

4.4 Server Installation

XAMPP server can be installed from https://www.apachefriends.org/download.html. More information on the step-to-step guide for the installation can be found on https://pureinfotech.com/install-xampp-windows-10/
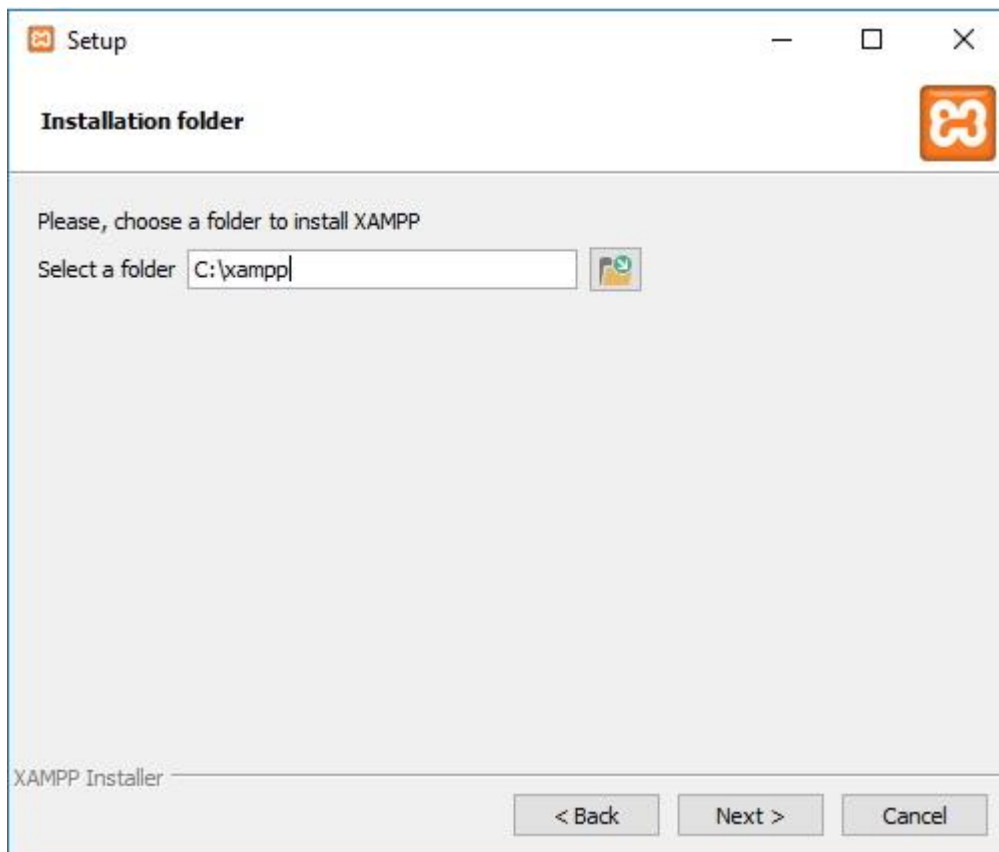
- Select version according to PC compatibility
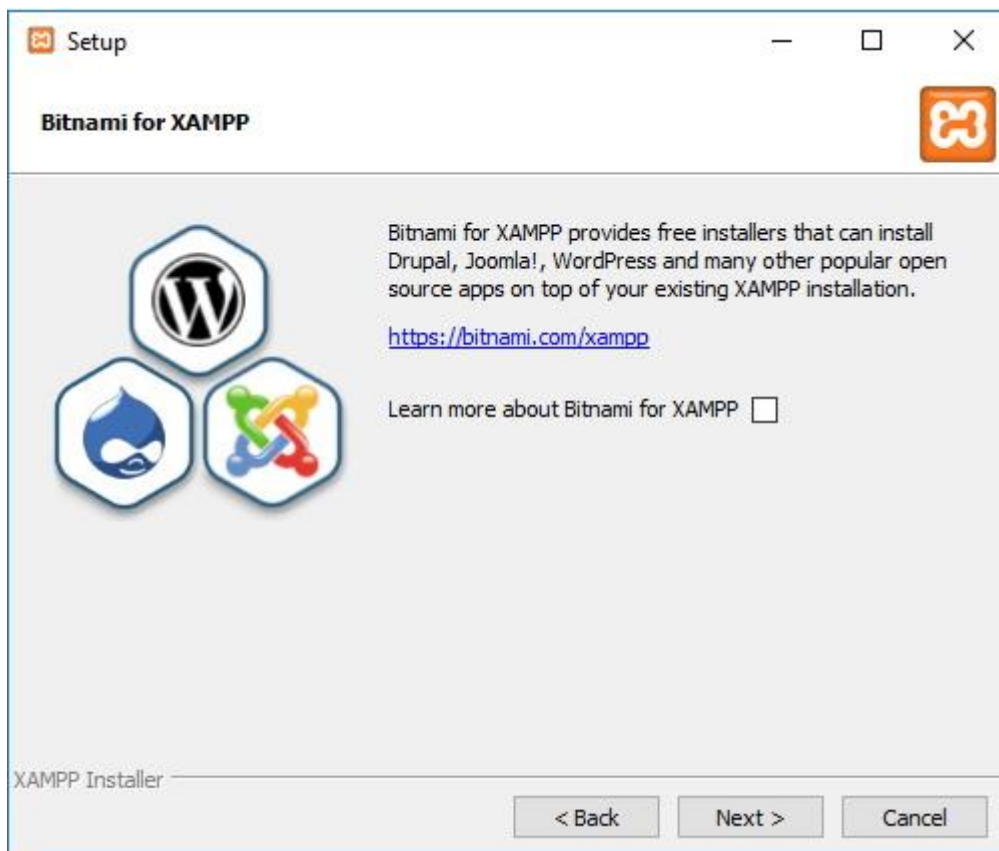

- Launch installer

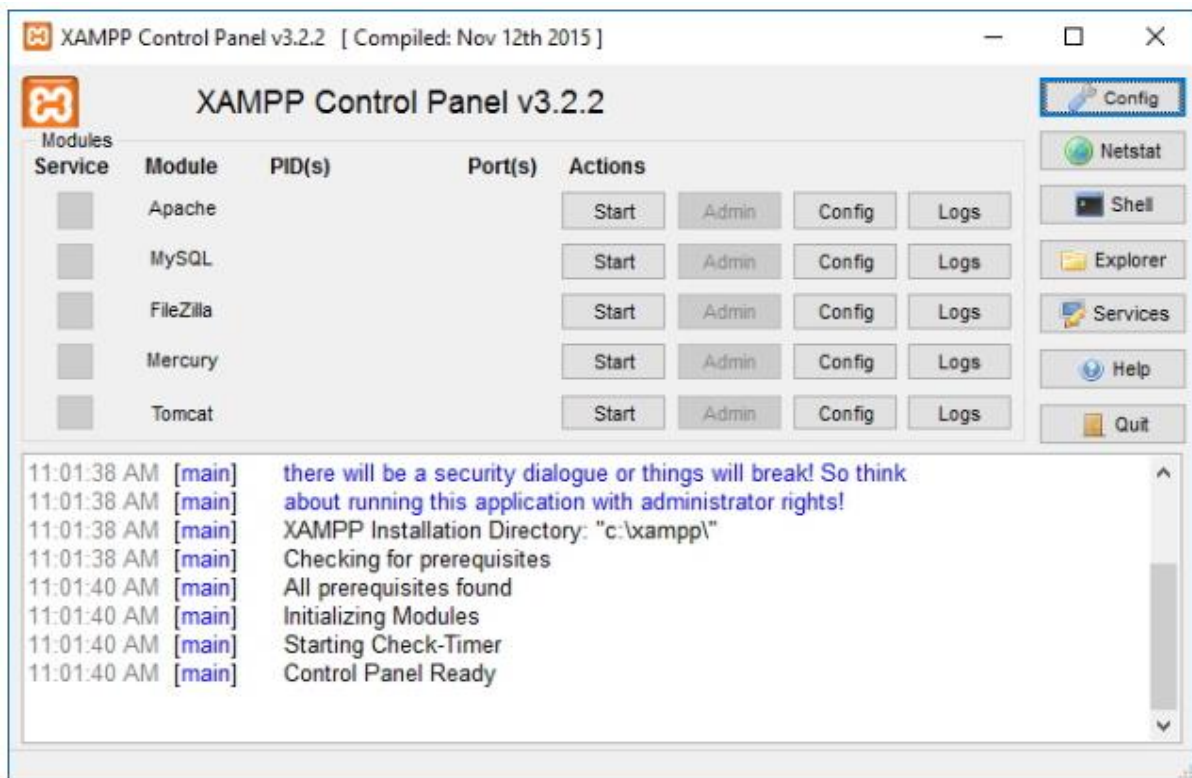- Select components needed to be installed
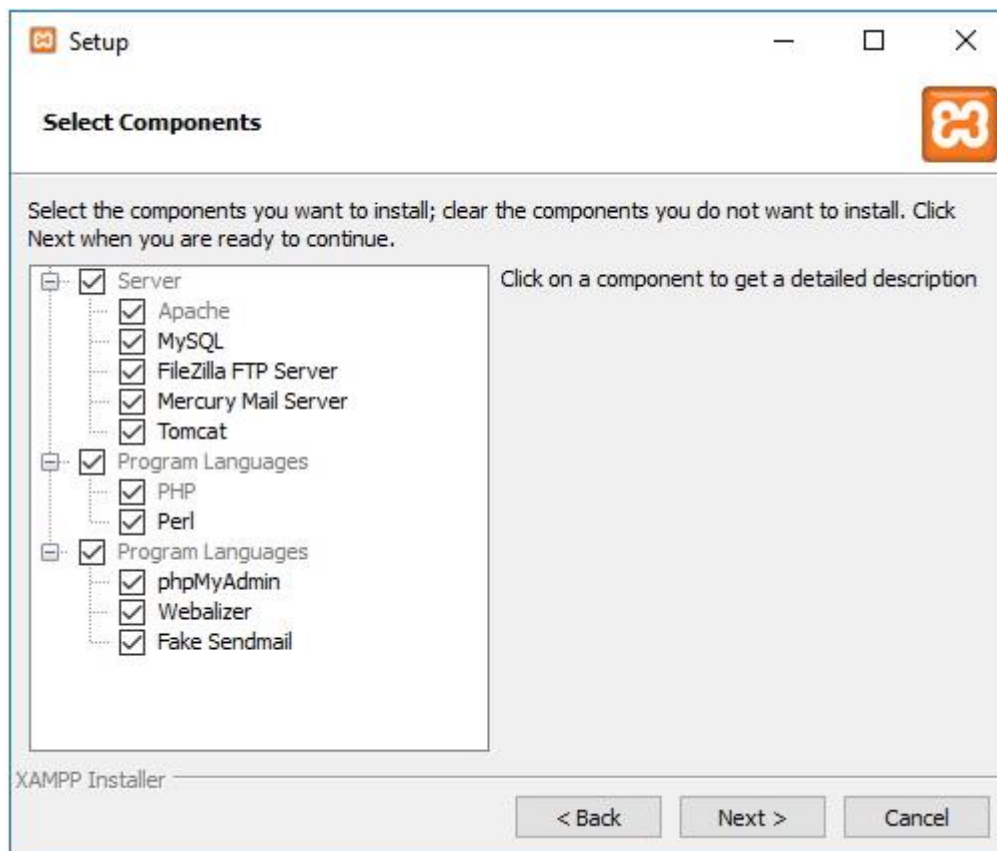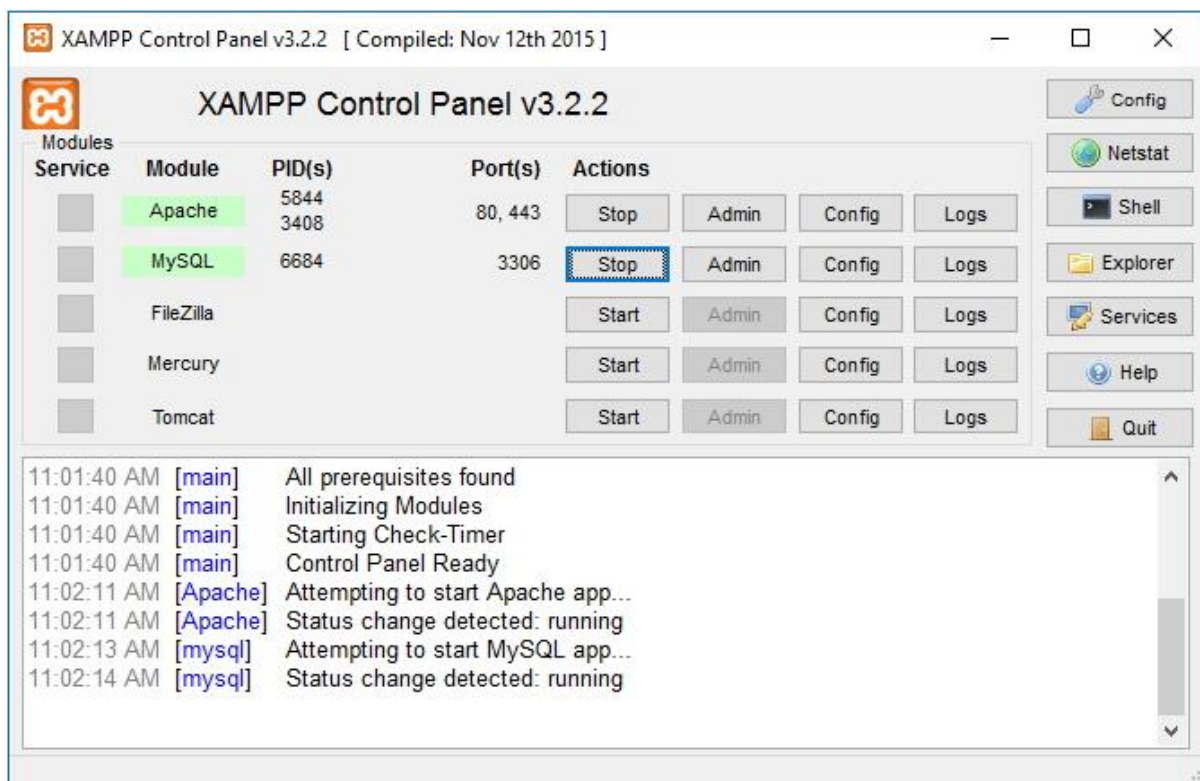

- Select location

- Uncheck Bitnami as it is not needed

- Configure web server here

- When Apache and MySQL start, on the right side, process ID (PID) number and TCP/IP port (Port) numbers each service is using can be seen. Ports can be specified explicitly.

4.5 Client Installation

- Copy and paste content of program files to HTDocx
- Copy and paste database files to HTDoccx
- Connect database (refer to Database Support)
- Once connections made, and errors remove, run local host
- CPD can be found on C:\xampp\htdocs\cpd

4.6 Custom Installation

Completed the same way as client installation

4.7 Using the Installation Wizard

XAMPP installation wizard can be run from the Program Files in drive C.

4.8 Uninstalling the MSR

- XAMPP can be uninstalled from Program Files.
- Click uninstall and confirm uninstallation.
- Remove program and database files

5. Post Installation

5.1 Installing System Updates

Local host -> Error Specified -> File and line number detected -> Open relevant file -> Alter code -> Save changes -> Re-run program

6. Troubleshooting

- Check port which is being used for the local host. Change Apache port settings and it will run
- Else check local host for possible errors