

Software specifications

Chapter number	Software required (With version)	Free/Proprietary	If proprietary, can code testing be performed using a trial version	If proprietary, then cost of the software	Download links to the software	Hardware specifications	OS required
1	Apache 2.4 server	Free			https://httpd.apache.org/download.cgi	Any modern PC / Apple computer	Unix, Linux, Windows, OSX
	MySQL 5.6	Free			https://dev.mysql.com/downloads/mysql/	Any modern PC / Apple computer	Unix, Linux, Windows, OSX
	PHP 7	Free			http://php.net/downloads.php	Any modern PC / Apple computer	Unix, Linux, Windows, OSX

Detailed installation steps (software-wise)

The easiest way to set everything up is probably using Ubuntu (v15.10) operating system. If Ubuntu is not a host operating system, a VirtualBox <https://www.virtualbox.org/> can be used to install clean Ubuntu (v15.10) operating system and work within it.

Following console instructions apply on setting up PHP, Apache, MySQL.

1. Install PHP 7

- `$ sudo apt-get install python-software-properties`
- `$ sudo add-apt-repository ppa:ondrej/php`
- `$ sudo apt-get update`

- `$ sudo apt-get install -y php7.0`

2. Install Apache 2.4

- `$ sudo add-apt-repository ppa:ondrej/apache2`
- `$ sudo apt-get update`
- `$ sudo apt-get install apache2`

3. Install MySQL 5.6

- `$ sudo add-apt-repository -y ppa:ondrej/mysql-5.6`
- `$ sudo apt-get update`
- `$ sudo apt-get install mysql-server-5.6`

4. Optionally install additional PHP modules

- **Search for all modules:** `$ sudo apt-cache search php7-*`
- **install specific ones:** `$ sudo apt-get install libapache2-mod-php7.0 php7.0-mysql php7.0-curl`