# ch02 – Setting up a Laravel Development Environment

## These steps worked with chapter 2 in order to set up a Windows environment

## System requirements

## Composer

## Valet

### % php –S localhost:8000 –t public

### There are unofficial forks for Windows and Linux

### <https://github.com/cretueusebiu/valet-windows>

### SSH key

## Homestead

Book uses .app we will use .dev

Homestead.yaml

/etc/hosts

provision homestead (the first time is the only time you need to do it)

go to .homestead

run vargrant up

NOTE: couldn’t get homestead to work with Laravel but valet is working fine. Moving on with valet

## Create a new Laravel project

Once homestead is running navigate to your Code directory

Key Laravel new projectName (Laravel new running)

If you need a preferred distribution

Composer create-project Laravel/Laravel projectName –prefer-dist x.y

composer create-project laravel/laravel l5dot3 --prefer-dist 5.3

## Windows configuration room 210

### Git

Install git windows v 2.13.2

Git-2.13.2-64-bit

Had to login as .\Student pwd: Pa55w0rd

Chose Use git from git BASH only

Accepted all other defaults

MSVSC Editor

<https://code.visualstudio.com/download>

If prompted with a firewall – go ahead and say that this program is a-okay.

Need to configure for Windows (ugh!!)

### PHP

PHP 7.1 distributions for Windows can be found on the [windows.php.net](http://windows.php.net/)website: [http://windows.php.net/download#php-7.1](http://windows.php.net/download)

You can find **instructions** for installing the distribution here: <https://www.webtechgadgetry.com/install-php-7-windows/>

**Use this download**

VC14 x86 Non Thread Safe (2017-Jun-08 05:58:52)

[Zip](http://windows.php.net/downloads/releases/php-7.1.6-nts-Win32-VC14-x86.zip) [21.36MB]  
sha256: b61c6c9bf42106f9278c4948d6eabb7336869b172660d4915b39f610d161a81c

[Debug Pack](http://windows.php.net/downloads/releases/php-debug-pack-7.1.6-nts-Win32-VC14-x86.zip) [21.65MB]  
sha256: bf34fcce816fc0d16baf65a352bd03fdb38d020986d77bcc51b5f4986e111336

Extracted PHP71 into c:\ . Used the .\Student login to complete

Need Visual C++ Redistributable for Visual Studio 2015 to run

<https://www.microsoft.com/en-gb/download/details.aspx?id=48145>

Downloaded the file vc\_redist.x64

Add the PHP Environment Path variable

Use MSVSC to open php.ini and uncomment by removing the ; infront of the following lines

extension=php\_mbstring.dll

extension=php\_opensll.dll

AND just in case...

extension=php\_pdo\_mysql.dll

extension=php\_pdo\_sqlite.dll

Rename php.ini-production to php.ini

Composer requires PHP 5.3.2+ to run

### Composer

Getcomposer.org - download

Download the Windows installer because it sets up all of the paths

No need to use a proxy server if asked.

### Valet

No need to install homestead if you can't get valet running

<https://github.com/cretueusebiu/valet-windows>

Ran into the error

- nategood/httpful 0.2.9 requires ext-curl \* -> the requested PHP extension curl is missing from your system.

Opened php.ini and uncommented extension=php\_curl.dll Worked! Did not need to restart the server

MAKE SURE GIT IS OPEN AS ADMIN

Navigate to your home folder cd ~

Create a folder named code

Change directories to code

Run valet park

Back to ~

Composer global require "laravel/installer=~1.1"

Laravel new projectName

Had to open a new instance of the browser

ProjectName.dev --- Whoooo!!!