

Setup

From nothing to Hello World

The Server

- PHP 5.6 (cli) using the test cli server
- pdo_sqlite available
- Running on localhost:8080

The Tools

- Komodo Edit –
 - cross platform text editing tool
 - can use any other text editing tool you're already comfortable with, as long as it has support for PHP
- DB Browser for SQLite –
 - cross platform sqlite database gui
 - makes learning and working with sqlite easy

The goal

- A running PHP webserver
- A directory where you can put code, run it through PHP, and view it in your browser
- Test with phpinfo and hello world scripts
- A tool to edit text files that supports PHP syntax highlighting
- A tool to edit sqlite databases

Mac



Installing PHP 5.6

- Open terminal and check for PHP 5.6
 - `php -v`
- Check for pdo_sqlite
 - `php -m`

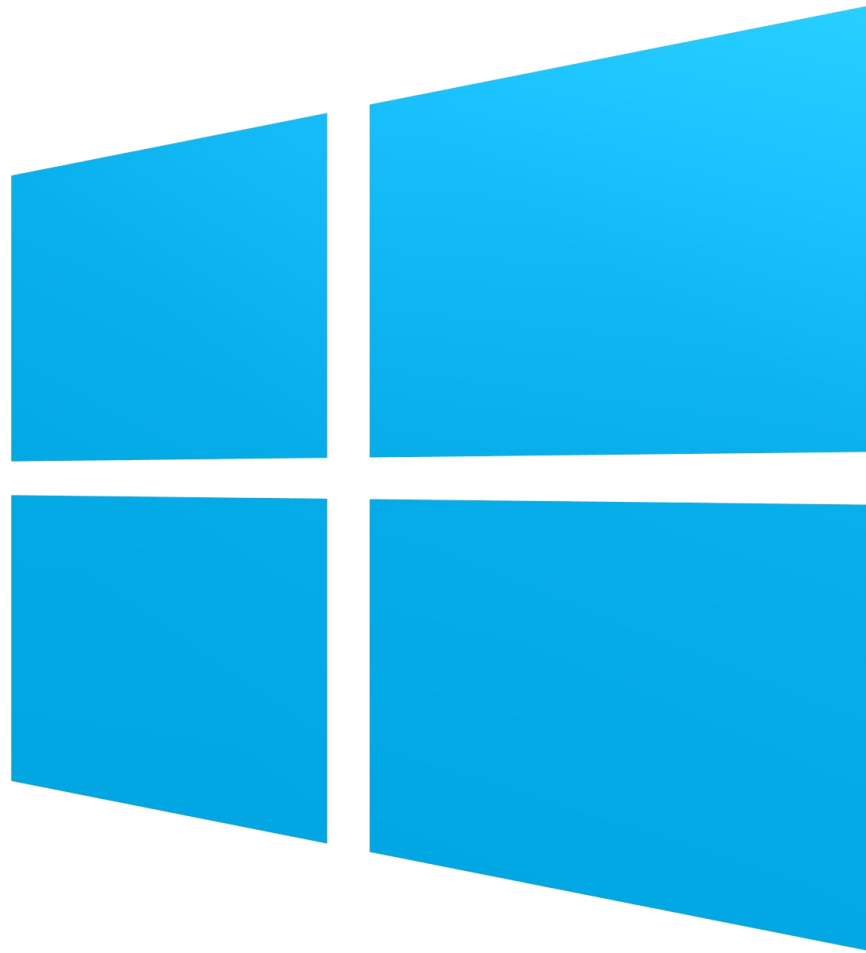
Update your version

- <http://php-osx.liip.ch/>
- homebrew
 - brew options php56
 - brew install php56

Tools

- <https://github.com/sqlitebrowser/sqlitebrowser/releases>
- <http://komodoide.com/komodo-edit/>
- Both have dmg packages for installation on mac

Windows



The Windows Package

- Includes a stripped down PHP executable
- Includes a batch file to run the built in server and serve from the code directory inside
- You can alter the code location if you choose in the batch file
- Includes installers for komodo edit and sqlitebrowser

Installing PHP from the Package

- Download the package or get from a jump drive – <https://github.com/PHPEmbark/packages/releases>
- Unzip the contents
- Double click on the "run.bat" file
- It will open a window, do NOT close it, that will shut down your server
- Open your browser and go to <http://localhost:8080>

Installing PHP by Hand

- PHP will be wherever you put it
- You can still use the run.bat file if you would like to avoid doing command line stuff
- You can drag and drop a directory onto the run.bat file to use it as your base directory

Installing PHP

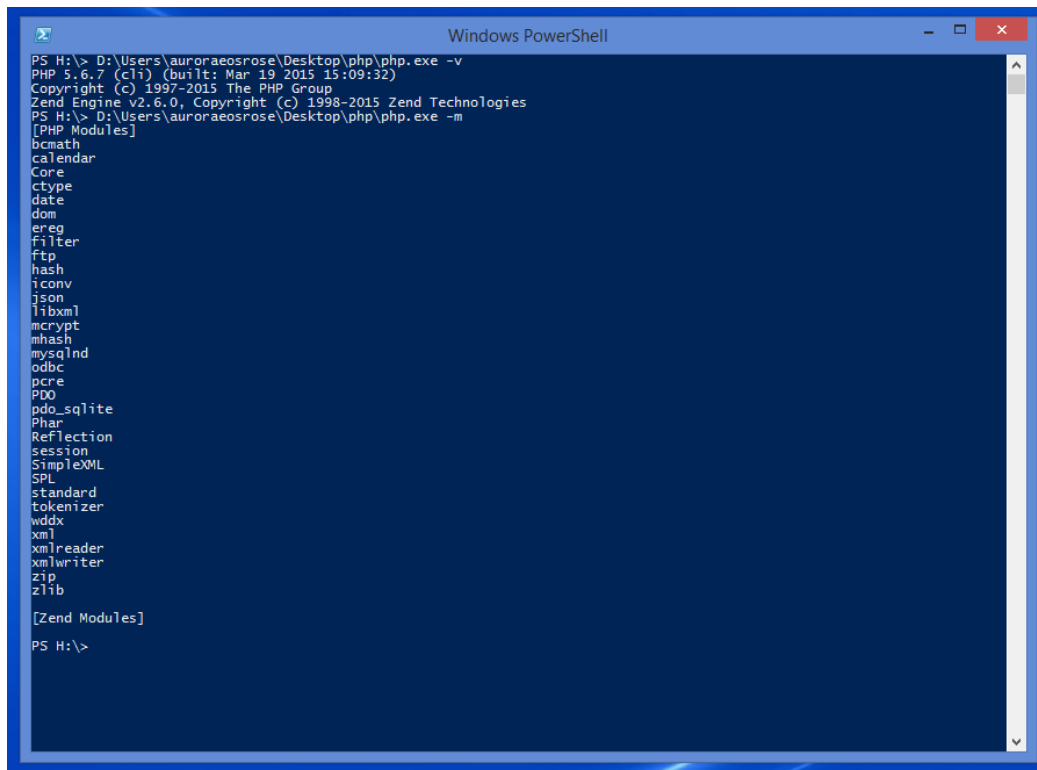
- Download PHP –
 - <http://windows.php.net/download>
 - VC11 x86 Non Thread Safe
- Unzip to a location of your choice
 - c:\php works
- Grab the code.zip package from <https://github.com/PHPEmbark/packages/releases>

Configure PHP

- open your php directory
- rename php.ini-development to php.ini
- open your new php.ini file
- uncomment `extension_dir = "ext"`
- uncomment `extension=php_pdo_sqlite.dll`
- save the changes

Checking PHP if you know CLI

- open a powershell or cmd window and cd to your php location
- run `php -v`
 - should say PHP 5.6.7 and a bunch more
- run `php -m`
 - make sure `pdo_sqlite` is in the list



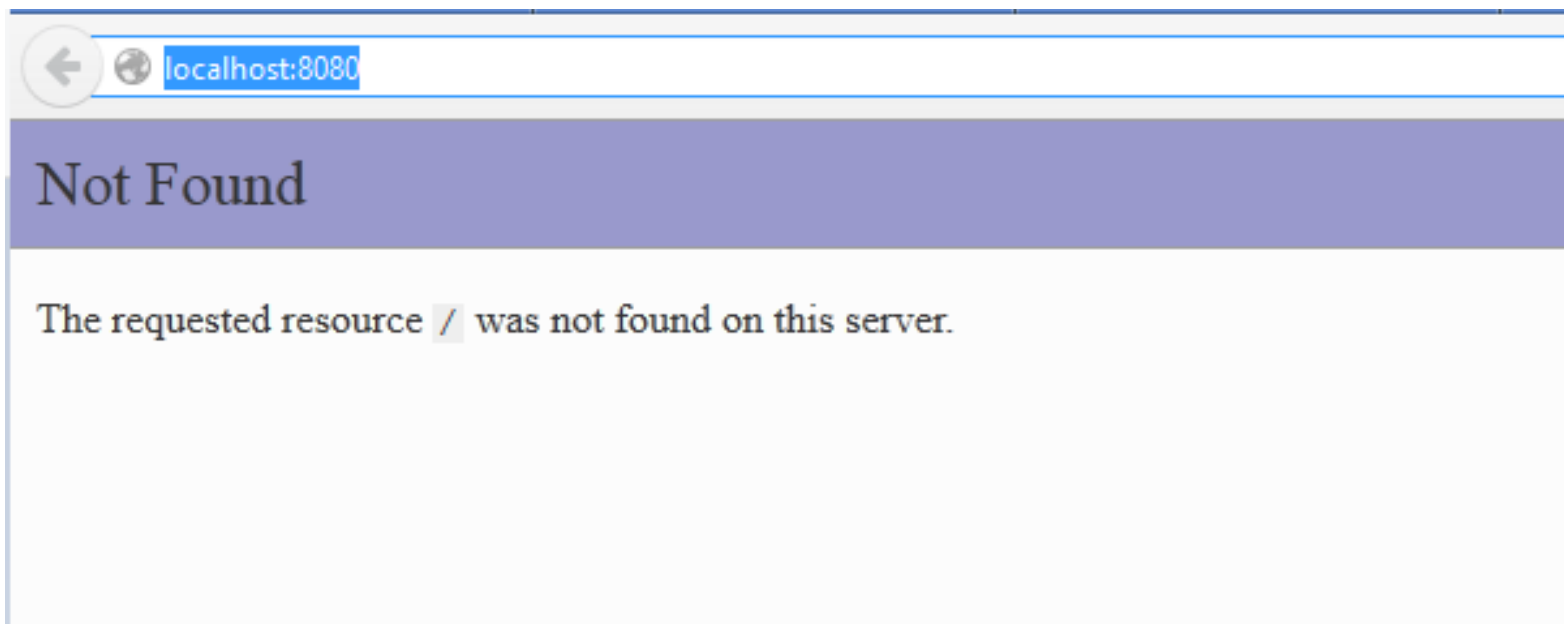
```
Windows PowerShell
PS H:\> D:\Users\auroraerosrose\Desktop\php\php.exe -v
PHP 5.6.7 (cli) (built: Mar 19 2015 15:09:32)
Copyright (c) 1997-2015 The PHP Group
Zend Engine v2.6.0, Copyright (c) 1998-2015 Zend Technologies
PS H:\> D:\Users\auroraerosrose\Desktop\php\php.exe -m
[PHP Modules]
bcmath
calendar
Core
ctype
date
dom
ereg
filter
ftp
hash
iconv
json
libxml
mcrypt
mhash
mysqlnd
odbc
pcre
PDO
pdo_sqlite
Phar
Reflection
session
SimpleXML
SPL
standard
tokenizer
wddx
xml
xmlreader
xmlwriter
zip
zlib

[Zend Modules]
PS H:\>
```

Running PHP

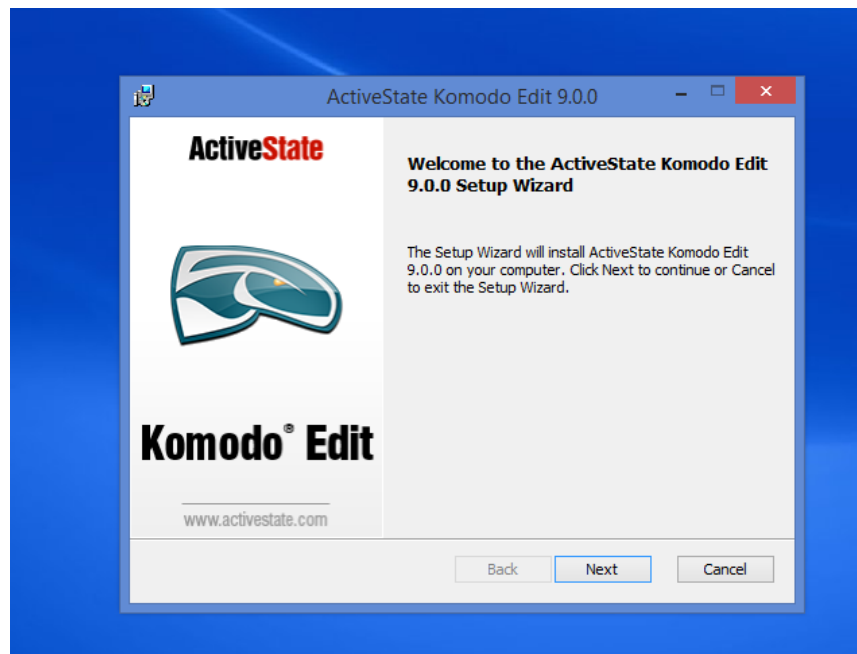
- run
 - `php -S 0.0.0.0:8080 -t ./public/`
 - (where `./public` is the directory you want to put your PHP files as you learn)
 - if a firewall popup appears, allow it
 - as long as the cmd window is open, your site will be running
 - visit <http://localhost:8080/> in your browser


```
Windows PowerShell
PS H:\> D:\Users\auroraerosrose\Desktop\php\php.exe -S 0.0.0.0:8080 -t D:\Users\auroraerosrose\Desktop\public
PHP 5.6.7 Development Server started at Sat Mar 28 18:12:19 2015
Listening on http://0.0.0.0:8080
Document root is D:\Users\auroraerosrose\Desktop\public
Press Ctrl-C to quit.
```



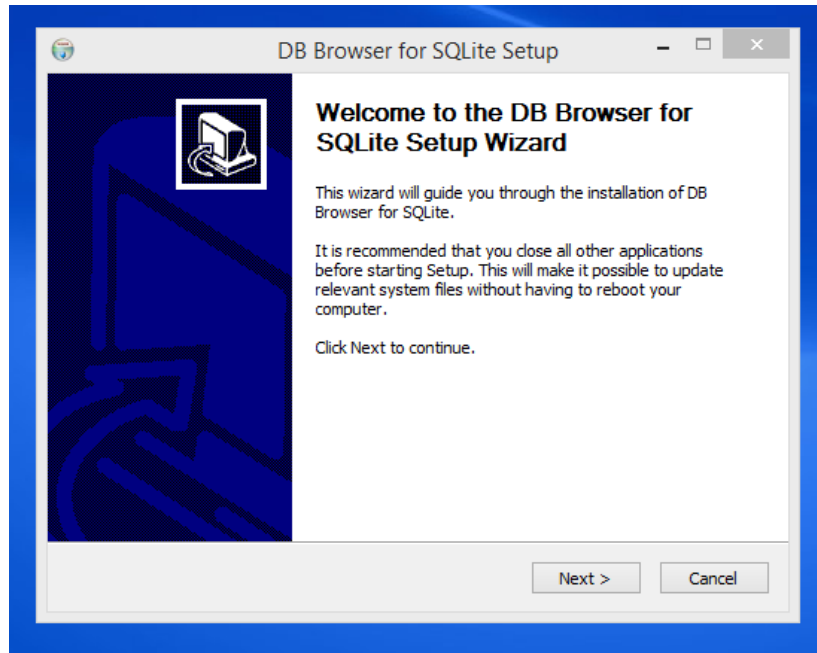
Installing Komodo Edit

- Download Komodo Edit –
<http://komodoide.com/download/#edit>
- Run the .msi installer



Installing DB Browser

- Download DB Browser for Sqlite –
 - <http://sqlitebrowser.org/>
 - choose the windows.exe
 - run the installer



Linux (Ubuntu)



Installing PHP 5.6

- Open terminal and check for PHP 5.6
 - `php -v`
- Check for pdo_sqlite
 - `php -m`

Installing PHP 5.6

```
sudo apt-get update
```

```
sudo apt-get install python-software-properties
```

```
sudo add-apt-repository ppa:ondrej/php5-5.6
```

```
sudo apt-get update
```

```
sudo apt-get dist-upgrade
```

```
sudo apt-get install php5 php-sqlite
```

```
php -v
```

```
php -m
```

Tools

- <https://apps.ubuntu.com/cat/applications/sqlitebrowser/>
- <http://komodoide.com/komodo-edit/>
- These should have installers, be available via apt-get or Ubuntu's software store, or you can compile them

Making sure we can run PHP code

HELLO WORLD

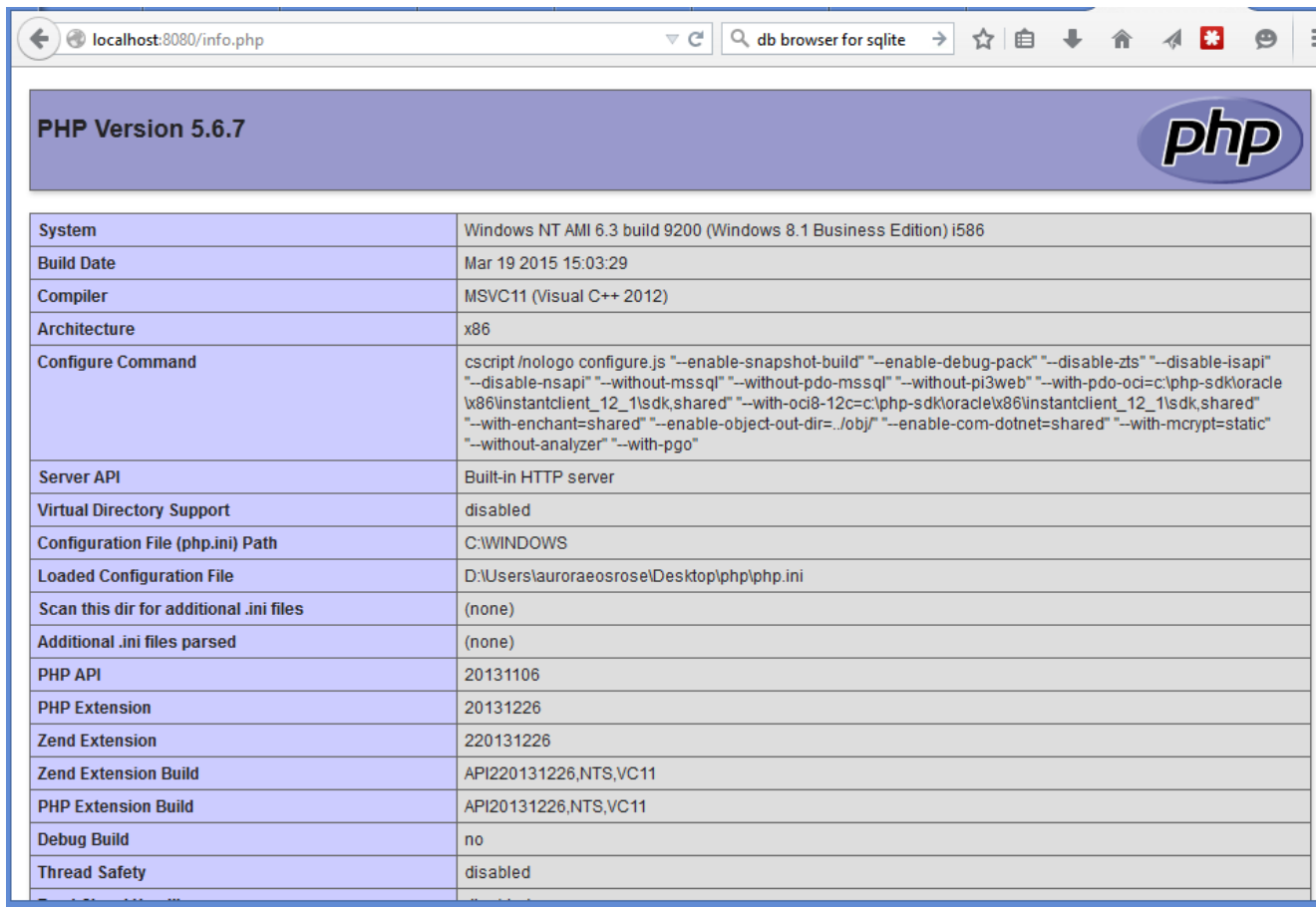
Testing PHP Configuration

- Create a file called info.php in your document root (or download code.zip from <https://github.com/PHPEmbark/packages/releases>)
- Use the opening tag (<?php) to turn on PHP parsing
- Write phpinfo(); on the second line
- Close with ?>
- Save the file and visit <http://localhost:8080/info.php>

<?php

phpinfo();

?>



System	Windows NT AMI 6.3 build 9200 (Windows 8.1 Business Edition) i586
Build Date	Mar 19 2015 15:03:29
Compiler	MSVC11 (Visual C++ 2012)
Architecture	x86
Configure Command	cscrip /nologo configure.js "--enable-snapshot-build" "--enable-debug-pack" "--disable-zts" "--disable-isapi" "--disable-nsapi" "--without-mssql" "--without-pdo-mssql" "--without-pi3web" "--with-pdo-oci=c:\php-sdk\oracle\x86\instantclient_12_1\sdk,shared" "--with-oci8-12c=c:\php-sdk\oracle\x86\instantclient_12_1\sdk,shared" "--with-enchanted=shared" "--enable-object-out-dir=../obj/" "--enable-com-dotnet=shared" "--with-mcrypt=static" "--without-analyzer" "--with-pgo"
Server API	Built-in HTTP server
Virtual Directory Support	disabled
Configuration File (php.ini) Path	C:\WINDOWS
Loaded Configuration File	D:\Users\auroraerosel\Desktop\php\php.ini
Scan this dir for additional .ini files	(none)
Additional .ini files parsed	(none)
PHP API	20131106
PHP Extension	20131226
Zend Extension	220131226
Zend Extension Build	API220131226,NTS,VC11
PHP Extension Build	API20131226,NTS,VC11
Debug Build	no
Thread Safety	disabled

Testing PHP Code

- Create a file called hello.php in your document root
- Use the opening tag (<?php) to turn on PHP parsing
- Write echo "Hello World"; on the second line
- Close with ?>
- Save the file and visit <http://localhost:8080/hello.php>

```
<?php
```

```
echo "Hello World";
```

```
?>
```

