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
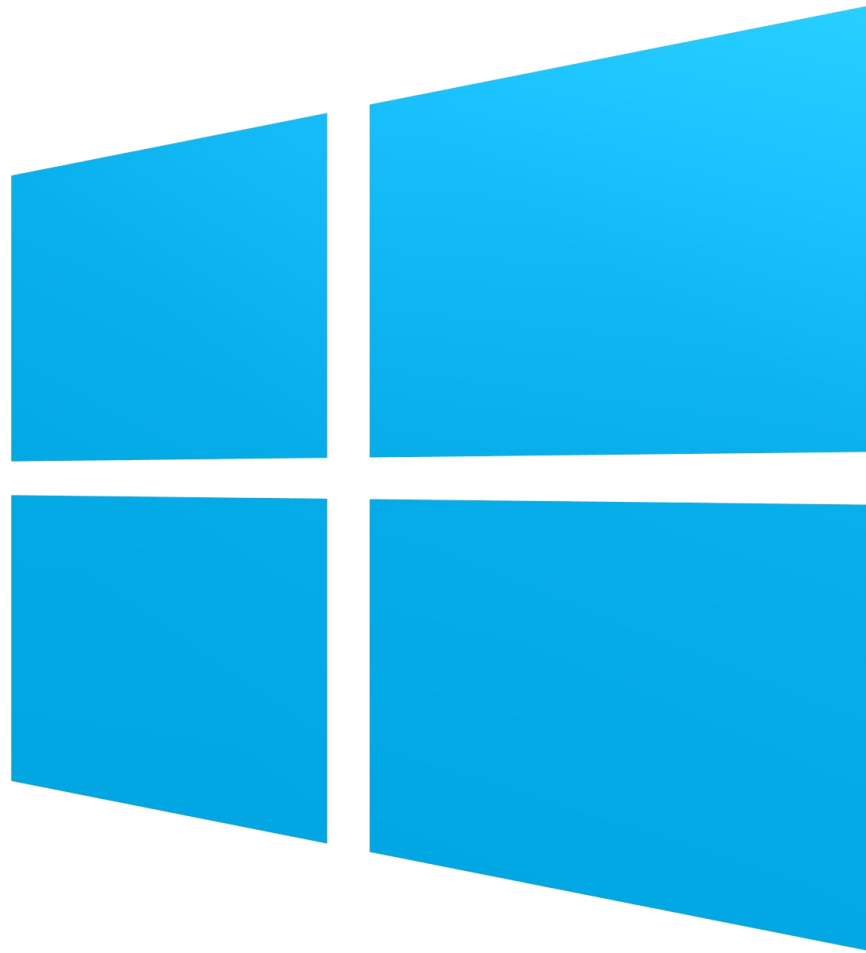 - php –v
- Check for pdo_sqlite
  - php -m

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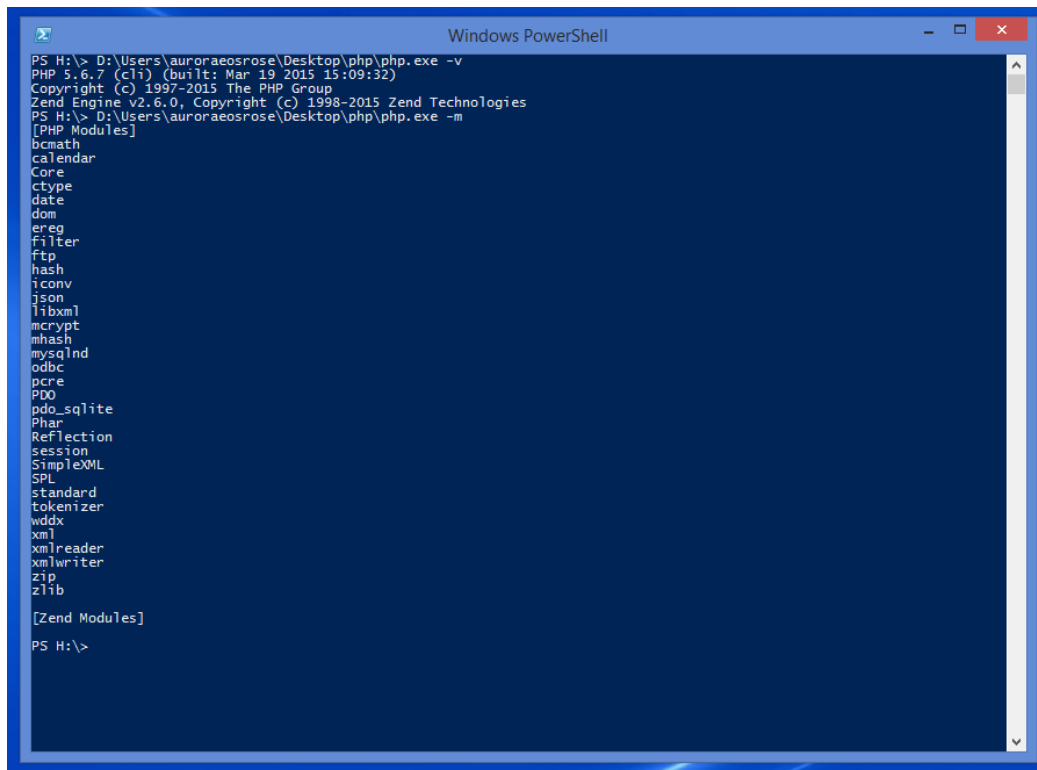
- Download PHP –
  - http://windows.php.net/download
  - VC11 x86 Non Thread Safe
- Unzip to a location of your choice
  - c:\php works
- Grab the code.zip package from https://github.com/PHPEmbark/packages/releases

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
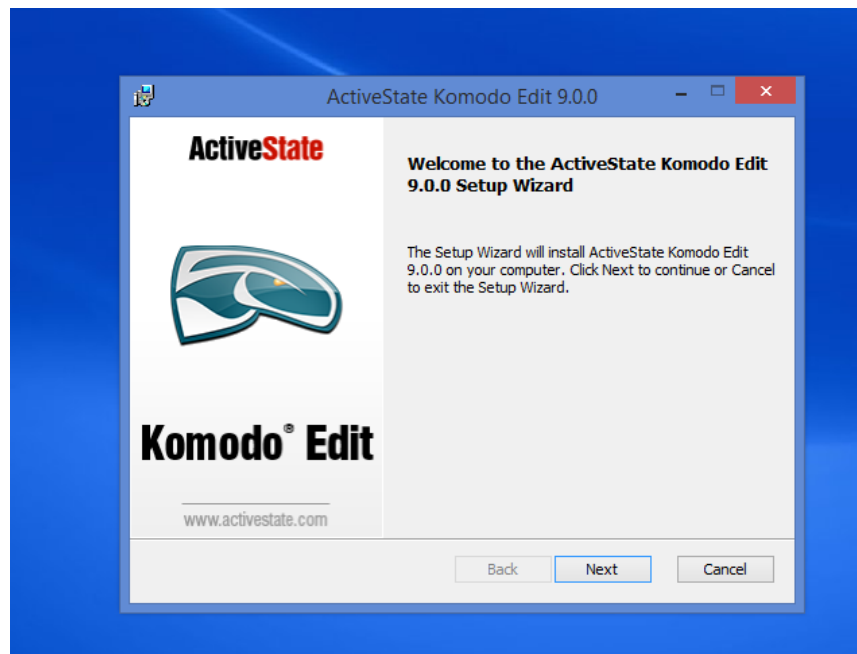 - make sure pdo_sqlite is in the list

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\auroraeosrose\Desktop\php\php.exe -S 0.0.0.0:8080 -t D:\Users\auroraeosrose\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\auroraeosrose\Desktop\public
Press Ctrl-C to quit.
```
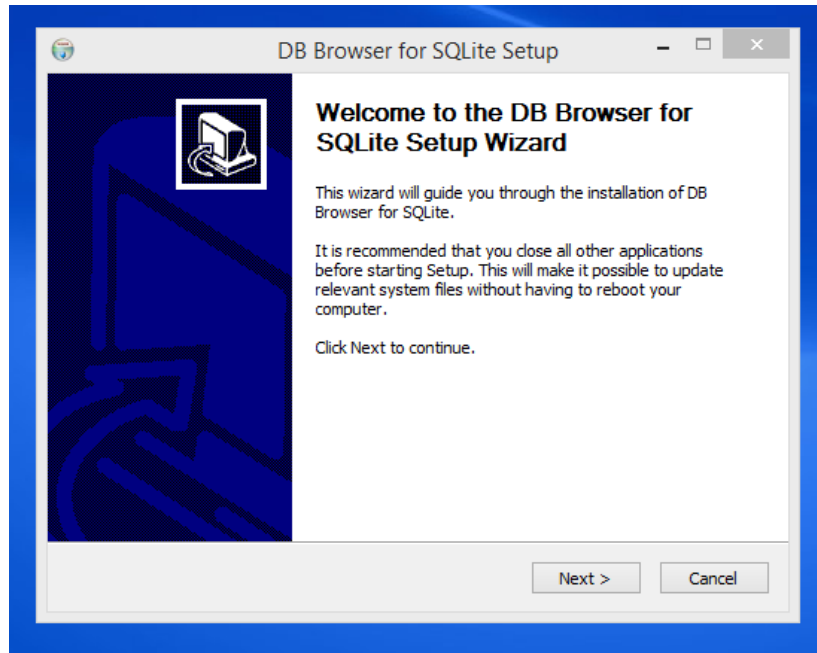
localhost:8080

Not Found

The requested resource / was not found on this server.
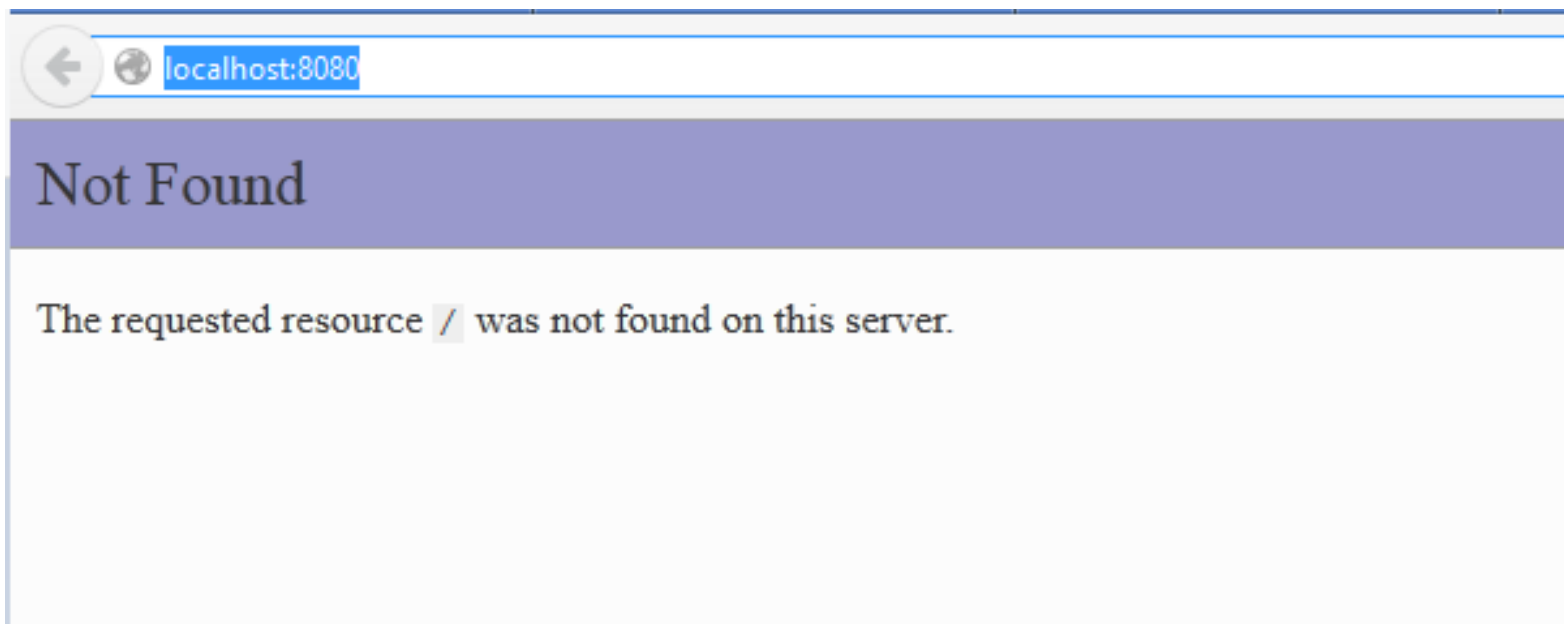
Installing Komodo Edit

- 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
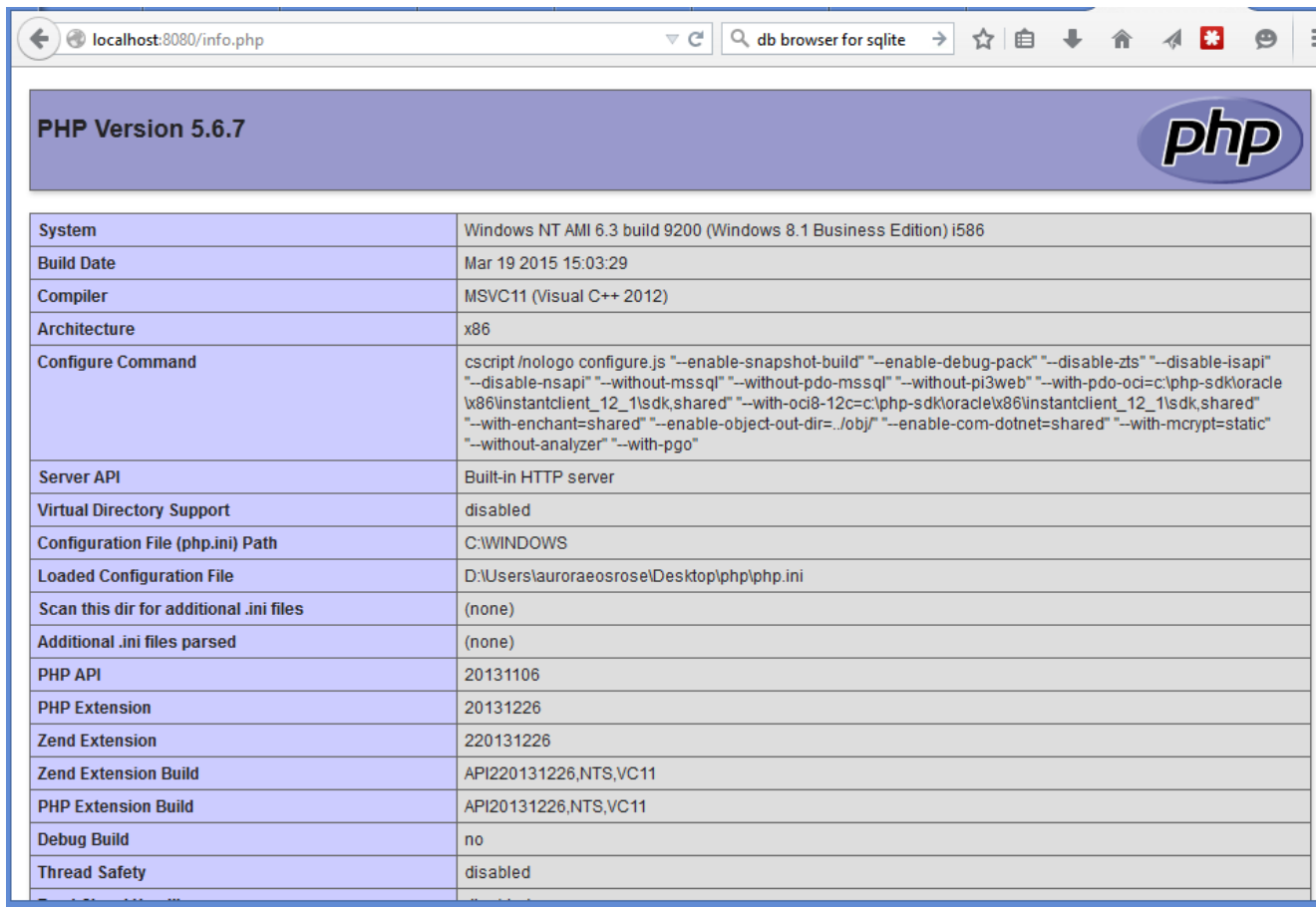
Testing PHP Configuration

- 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
<?php

phpinfo();

?>
```

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
<?php

echo "Hello World";

?>
```