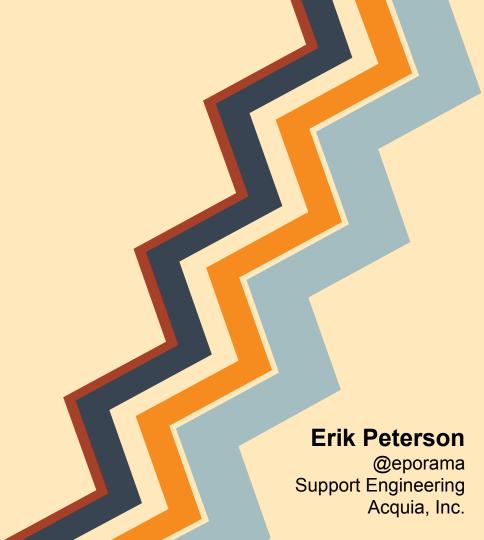
Finding PHP problems

with tools like Xdebug and XHProf



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Profiling vs Debugging

Profiling

- How fast?
- Where am I spending my time?
- Where am I loading up in memory?

Debugging

- At any given point, what is happening?
- Step forward and backward through code

Profiling with XHProf

Install via pecl.php.net

sudo pecl install -f xhprof
or homebrew

brew install php54-xhprof

or boxen...

(another discussion for another time)

Configuring php.ini

extension=/path/to/the/xhprof.so

extension=/opt/boxen/phpenv/versions/5.4.17/modules/xhprof.so

Restart web server

apache2ctl restart

/opt/boxen/bin/boxen --restart-service php-fpm.5.4.17

Check to make sure

```
~ $ php -i | grep xhprof
/opt/boxen/config/php/5.4.17/conf.d/xhprof.ini
xhprof
xhprof => 0.9.2
```

http://127.0.0.1:8888/admin/reports/status/php

Lots of Examples!

Sorry, no slide for this part

Debugging with XDebug

Install via pecl.php.net

```
sudo pecl install -f xdebug
```

or homebrew

```
brew install php54-xdebug
```

or boxen...

```
(another discussion for another time)
```

Configuring PHP.ini

extension=/path/to/the/debux.so

extension=/opt/boxen/phpenv/versions/5.4.17/modules/xdebug.so

Restart web server

apache2ctl restart

/opt/boxen/bin/boxen --restart-service php-fpm.5.4.17

Check to make sure

```
$ php -i | grep xdebug
/opt/boxen/config/php/5.4.17/conf.d/xdebug.ini,
xdebug
xdebug support => enabled
xdebug.auto_trace => Off => Off
...
```

http://mywebsite.com/admin/reports/status/php

XDebug needs Code

Needs an IDE to follow along

- Sublime
- Vi
- NetBeans



PHPStorm by Jetbrains

Lots of Examples!

Sorry, no slide for this part

Resources

XHProf

- https://www.drupal.org/node/946182
- https://spinpress.com/profiling-php-code-wordpress/

Xdebug

 http://www.jetbrains.com/phpstorm/webhelp/configuringxdebug.html

IDE

http://www.jetbrains.com/phpstorm/

Thanks!

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