What's new in PHP 5.4

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THIS IS NOT AN EXAUSTIVE LIST OF THE ADDITIONS AND DELETTIONS OF FEATURES IN PHP5.4 It is a list of **my** favorites of the new features and while I did look at the things that were removed, they weren't nearly as exciting as the new things they put in. Look, I'm a developer just like you. I write code for a living, not test code for a living. So some of my analysis may not be complete. In many cases, I've just started playing with these things and since PHP 5.4 is still in BETA, I ran into a few problems. So yeah, expect silly examples and in some cases, no code examples at all. I haven't had the chance to use any of these new features in a production environment. When I do, I'm sure the examples will be more useful, well at least to me. Until then, either put up with my silly examples or – and here's a thought – install PHP 5.4 on your machine and start playing with it yourself. Add something into one of your existing projects and see if you can make proper use of it. The important thing to take away from this slide is:

I LIKE SILLY CODE EXAMPLES!

Overview

- PHP 5.3 was for Framework makers
- PHP 6 is … not ready
- PHP 5.4 has something for everyone
  - Updates to things in PHP 5.3
  - New ways to do old things
  - New ways to do new things
  - Things you may have never thought of before

"Callable" typehint

Callable typehint

```
function doMyFunc(Callable $thisFunc)
{
  //…do something clever here
}
```

Class::{$expression}()

Class::{$expression}()

```
Developer::{$action}();
```

JsonSerializable

JsonSerializable

```
class MySerilazableClass implements JsonSerializable
{
    // …do something clever here
}
```

Dereferencing Arrays

Dereferencing Arrays

```php
echo $object->returnSomething()['three'];
```

$this in Closures

$this in Closures

```
return function () { print_r($this);};
```

Upload Progress Bar

Upload Progress Bar

410 - No working code example found

Sample Workflow:

- Upload the file
- Use ajax to query an api that returns the array stored in:
  ```
  $_SESSION[ini_get('session.upload_progress.prefix') .
         $_POST['upload_file_name']
       ]
  ```
- Update your page based on:
  ```
  ["content_length"]
  ["bytes_processed"]
  ```

Binary Number Support

Binary Number Support

```php
$licenseplate= 0b1001011;
echo sprintf("Cal's license plate used to be
              %s.\n",$licenseplate);
```

Short Array Syntax

Short Array Syntax

```
$myArray = ['two'   => 2,
           'four'  => 4,
           'six'   => 6,
           'eight' => 8];
```

Traits

Traits

```
class MyClass extends MyBaseClass
{
    use Counter, SecondCounter
  // …do something clever here
}
```

Built in HTTP Server

Built in HTTP Server

```
php -S [IP Address]:[port]

php -S localhost:8000

php -S 192.168.0.99:8000
```

Additional Reading

- https://wiki.php.net/rfc/shortsyntaxforarrays
- https://wiki.php.net/rfc/horizontalreuse
- https://wiki.php.net/rfc/session_upload_progress
- https://wiki.php.net/rfc/closures/object-extension
- https://wiki.php.net/rfc/horizontalreuse
- http://css.dzone.com/polls/what-new-feature-php-54
- http://php.webtutor.pl/en/2011/09/27/whats-new-in-php-5-4-a-huge-list-of-major-changes/
- http://www.formboss.net/blog/2011/09/php-5-4-brings-performance-improvements/
- http://www.slideshare.net/predominant/php-54-begin-your-love-affair-with-traits-10118525
- http://rakan.me/2011/07/15/whats-new-in-php-5-4/

Who Am I?

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