What´s New in PHP 7

Getting Started

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History of PHP

Personal Home Page Tools 1.0	PHP/FI 2	PHP 3
PHP 4	PHP 5	PHP 6

PHP 6

From:	Rasmus Lerdorf	Date:	Thu Mar 11 12:22:48 2010
Subject:	PHP 6		
Groups:	php.internals		

Ah, Jani went a little crazy today in his typical style to force a decision. The real decision is not whether to have a version 5.4 or not, it is all about solving the Unicode problem. The current effort has obviously stalled. We need to figure out how to get development back on track in a way that people can get on board. We knew the Unicode effort was hugely ambitious the way we approached it. There are other ways.

So I think Lukas and others are right, let's move the PHP 6 trunk to a branch since we are still going to need a bunch of code from it and move development to trunk and start exploring lighter and more approachable ways to attack Unicode. We have a few already. Enhanced mbstring and ext/intl. Let's see some good ideas around that and work on those in trunk. Other features necessarily need to play along with these in the same branch. I refuse to go down the path of a 5.4 branch and a separate Unicode branch again.

The main focus here needs to be to get everyone working in the same branch.

-Rasmus

- http://news.php.net/php.internals/47120

PHP 6

PHP RFC: Name of Next Release of PHP

- Version: 2.0
- Date: 2014-07-05 (latest 2014-07-22)
- Authors: Andrea Faulds ✉ ajf@ajf.me, Zeev Suraski ✉ zeev@php.net
- Status: Accepted (Name is PHP 7)
- First Published at: 🌐 http://wiki.php.net/rfc/php6

Introduction

There has been some debate over what the name of the next major release of PHP, to succeed the PHP 5.x series, should be called. This RFC is an attempt to settle the matter once and for all.

This RFC proposes that the next major version of PHP shall be named either PHP 6 or PHP 7, based on the outcome of this vote. In the following arguments for both sides are presented.

- https://wiki.php.net/rfc/php6

PHP RFC System

Implemented

Order in these sections: Language changes first, library changes later.

PHP 7.0

- Random Functions throwing Exceptions
  This RFC proposes that the random_* functions should throw exceptions on failure.
- Throwable Interface
  Proposes a modification to the exception hierarchy for PHP 7, introducing a Throwable interface and Error class.
- Context Sensitive Lexer
  Proposal to have a context sensitive lexer for PHP with support for semi-reserved words (Created 2015-02-15)
- Add preg_replace_callback_array function
  A RFC proposing each pattern can easily have a specific callback.
- Reliable User-land CSPRNG
  A proposal to add a reliable CSPRNG (Created 2015-02-20)
- Anonymous Class Support
  This RFC proposes support for anonymous classes.
- Generator Delegation
  This RFC proposes new syntax to delegate generator function operations to sub-iterators/generators (Created 2015-03-01)

- https://wiki.php.net/rfc

System Setup

PHP 7

- Left side of the screen
- Port 81
- Uses the same folder as the other version

PHP 5.6

- Right side of the screen
- Port 80
- Uses the same folder as the other version

Testing PHP 7 Compatibility

docker-php7-nightly-build

https://github.com/janatzend/docker-php7-nightly-build

PHP 7 nightly build Docker image

php7dev

https://github.com/rlerdorf/php7dev

PHP 7 Vagrant image

phan

https://github.com/rlerdorf/phan

Static PHP analyzer