BULDIS EXTRAORDINARY PAGKAGES THE STORY OF THE PHP LEAGUE

Phil Sturgeon

Framework Interoperability Advocate



NAME	DESCRIPTION	PROJECT LEAD
ВооВоо	Because everybody makes mistakes	Brandon Savage
CLImate		Joe Tannenbaum
	Terminal output made easy	
Color Extractor	Extract colors from an image	Mathieu Lechat
CommonMark	Markdown parser for PHP based on the CommonMark spec	Colin O'Dell
Container	Fast and intuitive dependency injection container	Phil Bennett
CSV	CSV data manipulation made easy	Ignace Nyamagana Butera
Event	Event package for your app and domain	Frank de Jonge
Factory Muffin	Enables the rapid creation of objects for testing	Scott Robertson
Flysystem	Abstraction for local and remote filesystems	Frank de Jonge
Fractal	Output complex, flexible, RESTful data structures	Phil Sturgeon
Geotools	Perform geo-related tasks	Antoine Corcy
Glide	HTTP based image manipulations	Jonathan Reinink
Monga	Simple and swift MongoDB abstraction	Bryan Crowe
OAuth 1 Client	Integrate with OAuth 1.0 providers	Ben Corlett
OAuth 2 Server	Build an OAuth 2.0 server	Alex Bilbie
OAuth 2 Client	Integrate with OAuth 2.0 providers	Ben Ramsey
Omnipay	Multi-gateway payment processing library	Kayla Daniels
Period	Time range API for PHP	Ignace Nyamagana Butera
Plates	Native PHP template system	Jonathan Reinink
Route	Router and Dispatcher built on FastRoute	Phil Bennett
Shunt	Execute SSH commands on remote machines	Taufan Aditya
Squery	PHP wrapper for osquery	Christopher Pitt
Statsd	Library for working with StatsD	Marc Qualie
Tactician	A simple, flexible command bus	Ross Tuck
URL	URL manipulation made easy	Ignace Nyamagana Butera

- 1. Use League as the <u>PSR-4</u> autoloader namespace. Shove code in a src folder.
- 2. Adhere to PSR-2 as the coding style guide.
- 3. List on <u>Packagist</u> with <u>league</u> as the vendor namespace.
- 4. Write unit tests. Aim for at least 80% coverage in version 1.
- 5. DocBlock all the things.
- 6. Use <u>Semantic Versioning</u> to manage version numbers.
- 7. Keep a <u>Changelog</u>.
- 8. Use <u>Travis-CI</u> to automatically check coding standards and run tests.
- 9. Have an extensive README.
- 10. Exclude non-essential files in .gitattributes.

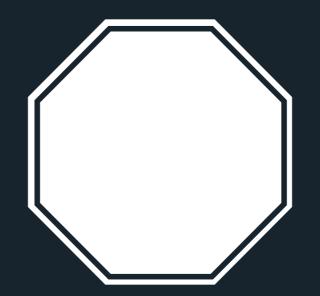


How to successfully release an open-source PHP package

(and become a better developer for it)

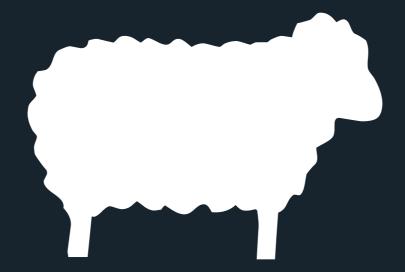
The goods

- 1. Make
- 2. Market
- 3. Maintain



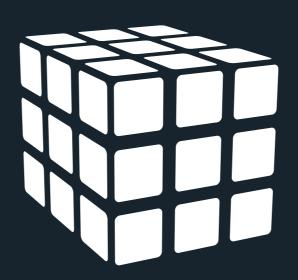
Things to consider before you start

Why you should and why you shouldn't.



Does it exist already?

Don't clone, send pull requests instead.



Share your unique way of solving a problem

Push the status quo.



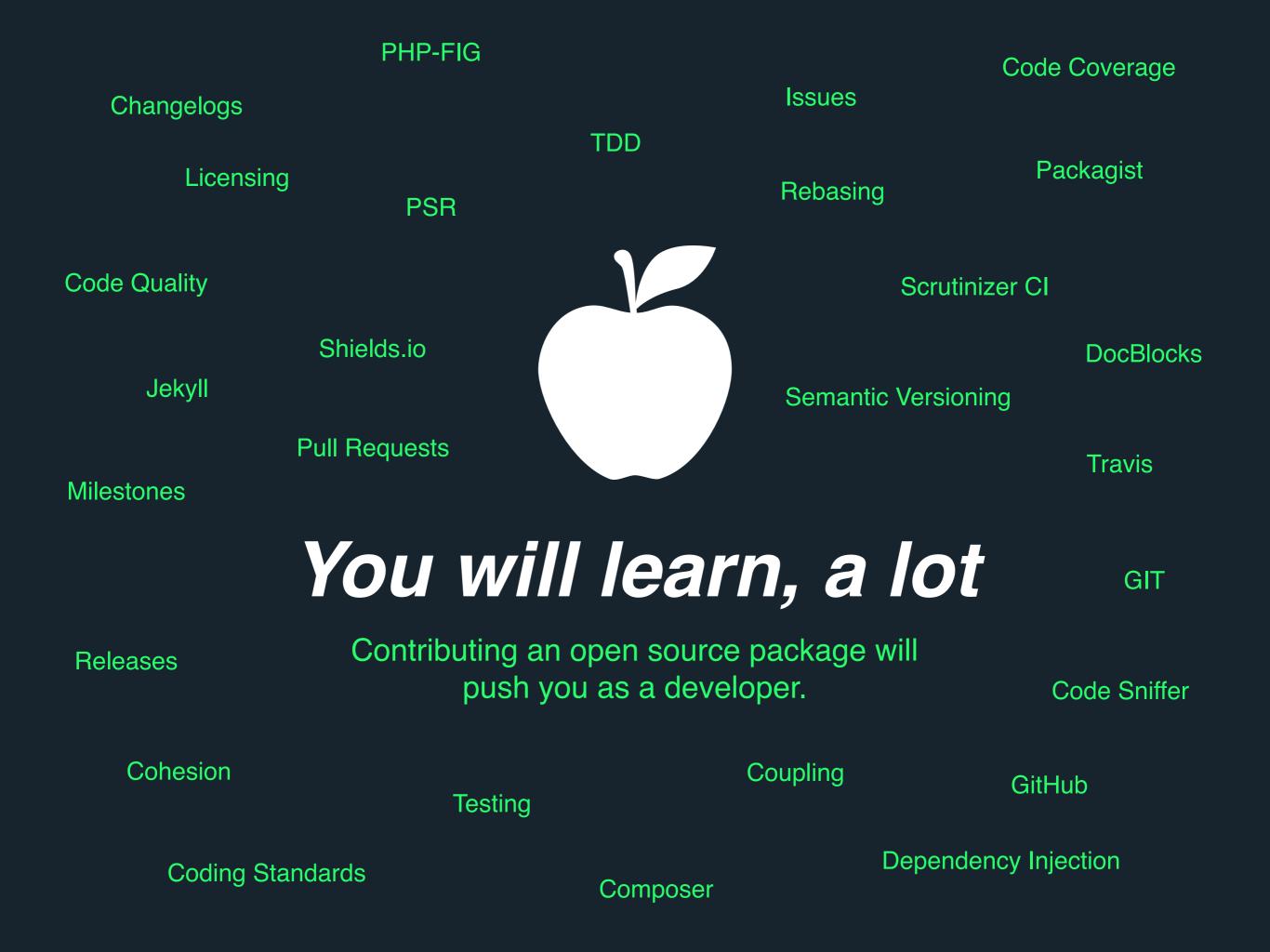
Do you have the time?

Releasing open source code requires a time commitment.



You will meet people

Yay for nerd friends!



1. Make



Design an API developers will want to use

The cornerstone to a successful package.

Send an email with Swift

```
// Create the transport
$transport = Swift SmtpTransport::newInstance('smtp.example.org', 25);
$transport->setUsername('your username');
$transport->setPassword('your password');
// Create the email
$message = Swift Message::newInstance();
$message->setSubject('Your subject');
$message->setFrom(array('john@doe.com' => 'John Doe'));
$message->setTo(array('foo@example.com'));
$message->setBody('Here is the message itself');
$message->attach(Swift Attachment::fromPath('document.pdf'));
// Send the email
$mailer = Swift Mailer::newInstance($transport);
$result = $mailer->send($message);
```

Send an email with Laravel



Name things right

It's easy, like cache validation.

Whoops

```
// Current library
$whoops = new Whoops\Run;
$whoops->pushHandler(new Whoops\Handler\PrettyPageHandler);
$whoops->register();
// Better class name
$whoops = new Whoops\ErrHandler;
$whoops->pushHandler(new Whoops\Handler\PrettyPageHandler);
$whoops->register();
// Better example variable
$errHandler = new Whoops\ErrHandler;
$errHandler->pushHandler(new Whoops\Handler\PrettyPageHandler);
$errHandler->register();
```



Have a clear focus

Pull in other libraries when needed.



Utilize common design patterns

Techniques like dependency injection make your library easier use, maintain, read and test.



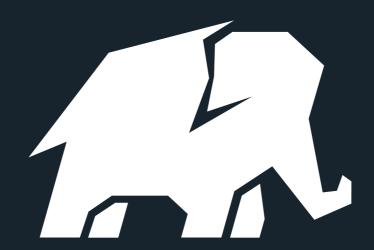
Break apart large classes

Create more focused classes, and more of them.



Framework agnostic

Don't limit yourself to just one framework.



What versions of PHP should I support?

Is PHP 5.3 worth the effort?



Source code on GitHub

Sorry Bitbucket, Google Code & SourceForge.



Write tests

Automated tests allow you to make stress-free changes.



Composer & Packagist

The primary delivery mechanism for your library.

composer.json

```
{
    "name": "league/fractal",
    "description": "Handle the output of complex data structures ready
for API output.",
    "homepage": "http://fractal.thephpleague.com/",
    "license": "MIT",
    "author": [{
        "name": "Phil Sturgeon",
        "email": "me@philsturgeon.uk"
    }],
    "autoload": {
        "psr-4": {
            "League\\Fractal\\": "src"
```



Submit Package

Packagist is the main Composer repository. It aggregates all sorts of PHP packages that are installable with Composer. Browse packages or submit your own.

Search packages...

Getting Started

Define Your Dependencies

Put a file named composer.json at the root of your project, containing your project dependencies:

```
{
    "require": {
        "vendor/package": "1.3.2",
        "vendor/package2": "1.*",
        "vendor/package3": ">=2.0.3"
    }
}
```

Install Composer In Your Project

Run this in your command line:

```
curl -s http://getcomposer.org/installer | php
```

Or download composer.phar into your project root.

Install Dependencies

Execute this in your project root.

```
php composer.phar install
```

Autoload Dependencies

If all your packages follow the PSR-0 standard, you can autoload

Publishing Packages

Define Your Package

Put a file named composer.json at the root of your package, containing this information:

```
"name": "your-vendor-name/package-name",
   "description": "A short description of
what your package does",
   "require": {
        "php": ">=5.3.0",
        "another-vendor/package": "1.*"
}
```

This is the strictly minimal information you have to give.

For more details about package naming and the fields you can use to document your package better, see the about page.

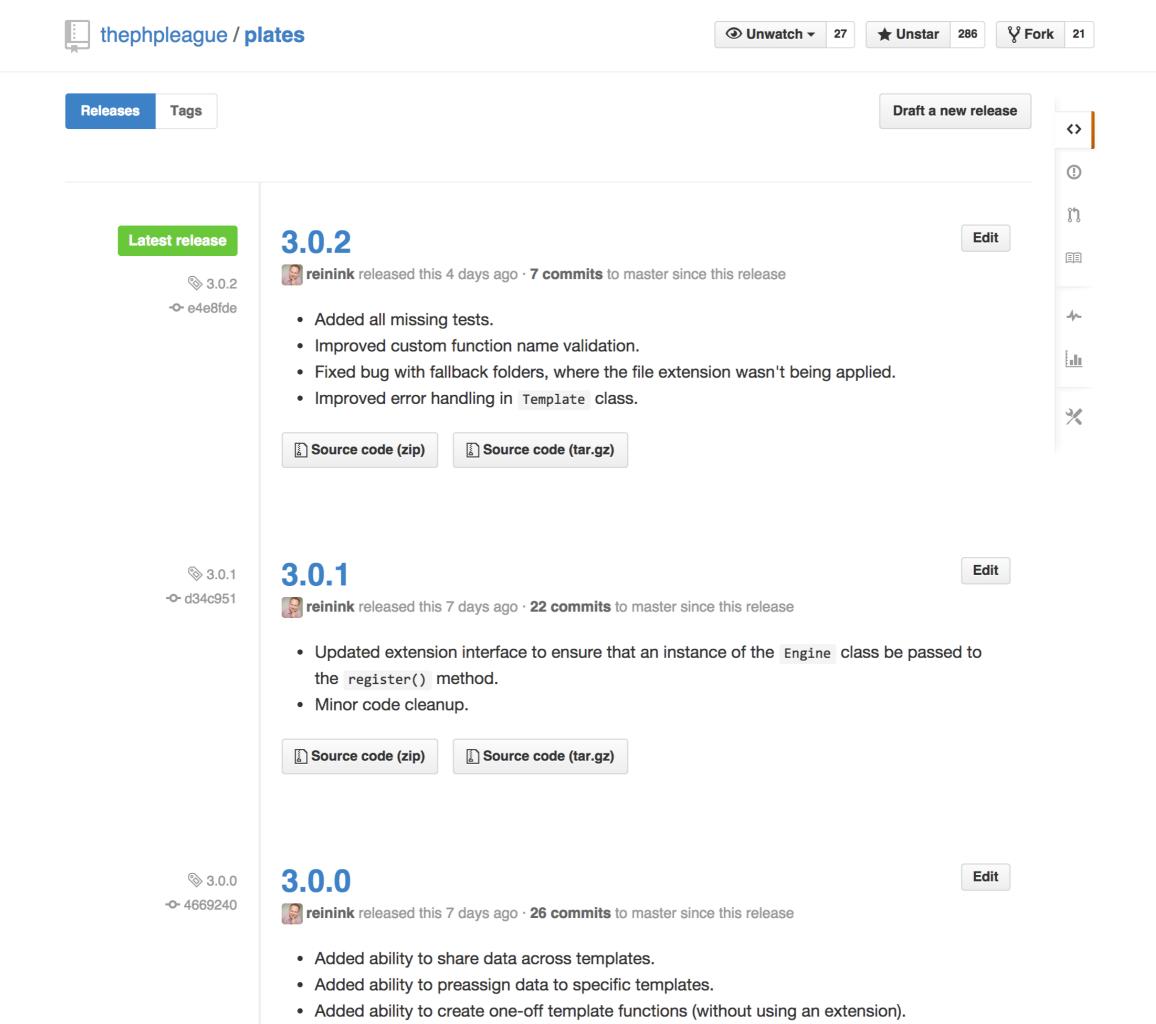
Commit The File

You surely don't need help with that.

Publish It

Login or register on this site, then hit the big fat green button above that says submit.

Once you entered your public repository URL in there, your



.gitattributes

MAJOR.MINOR.PATCH BREAKING.NEW-FEATURES.BUG-FIXES

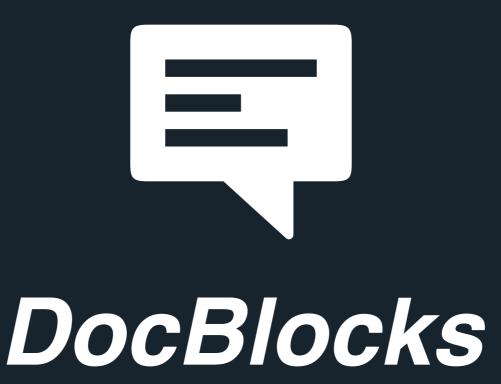
Semantic Versioning

Allows developers to upgrade versions safely.



Coding Standards

Adhere to PSR-2 as the coding style guide.



Allows for automated API documentation.



Continuous Integration

Automate tests, PSR compliance checks, code coverage analysis & more.



Have a license

An important step to protect your hard work.



Contributor instructions

Help them, help you!



PHP Package Checklist

There's a lot that goes into a successful PHP package beyond simply having some useful code. The following checklist will help ensure that your package is taken seriously by the rest of the PHP community.

CLICK TO TOGGLE ITEMS AND CREATE A CUSTOM REPORT

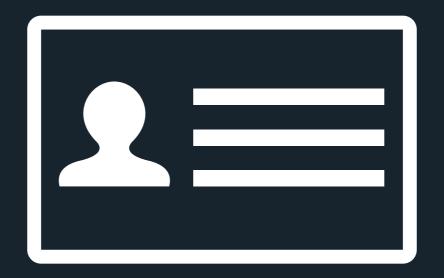
Pick a name wisely

- Ensure the name isn't already used by another project.
- Use this name as your namespace.
- Avoid using last names or personal handles in namespaces.

Host source on GitHub

- o GitHub is free to use for public projects.
- $\circ\;\;$ Very helpful for managing issues, feature requests and pull requests.
- Viable alternative: Bitbucket

2. Market



Choosing a name

Memorable, short and cool (without being too hipster).



The documentation

Your most important marketing tool.



"Read the code" is an acceptable answer to "Where are the docs?"



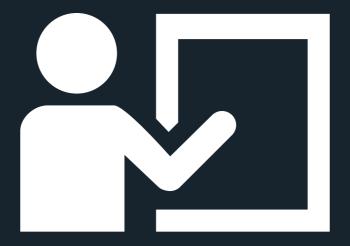
"Auto-generated docs are good enough"



"All you need a README file"

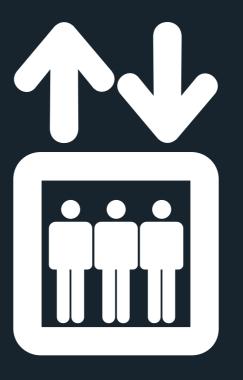


"Documentation is easy."



Documentation "musthaves"

How to do documentation right!



The elevator speech

What it is and why it matters, in 160 characters or less.



The simple example

Show me the code!!!



Installation instructions

Make it easy for someone to get started.

Via Composer

\$ composer require league/fractal



Keep a changelog

Include upgrade instructions for backwards breaking changes.

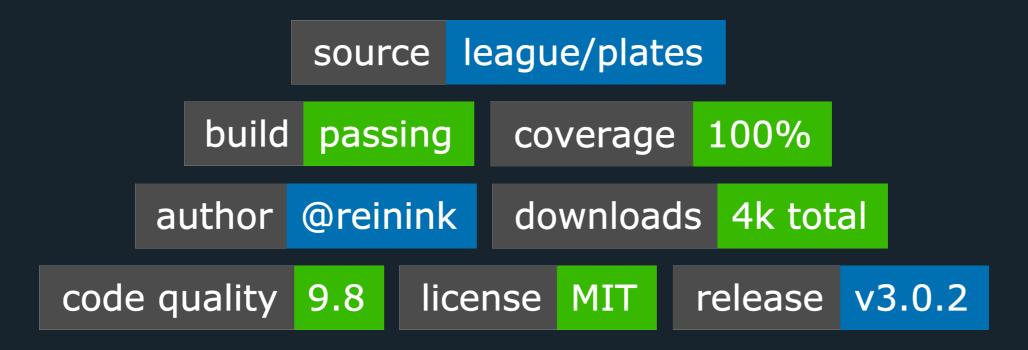


Links to source & author

This is open source after all, make yourself available!

Badges!

Badges help full in real-time information about your project.







GETTING STARTED

Introduction

Simple example

Installation

Changelog

THE ENGINE

Overview

File extensions

Folders

Functions

Extensions

TEMPLATES

Overview

Data

Functions

Nesting

Layouts

Sections

Inheritance

Escaping

Syntax

EXTENSIONS

Introduction

```
author @reinink source league/plates release v3.0.2 license MIT build passing coverage 100% code quality 9.8 downloads 4k total
```

About

Plates is a native PHP template system that's fast, easy to use and easy to extend. It's inspired by the excellent <u>Twig</u> template engine and strives to bring modern template language functionality to native PHP templates. Plates is designed for developers who prefer to use native PHP templates over compiled template languages, such as Twig or Smarty.

Highlights

- Native PHP templates, no new syntax to learn
- · Plates is a template system, not a template language
- Plates encourages the use of existing PHP functions
- Increase code reuse with template layouts and inheritance
- Template <u>folders</u> for grouping templates into namespaces
- Data sharing across templates
- Preassign <u>data</u> to specific templates
- Built-in escaping helpers
- Easy to extend using <u>functions</u> and <u>extensions</u>
- Framework-agnostic, will work with any project

Overview

Why Vagrant?

Installation

Getting Started

Command-Line Interface

Vagrant Share

Vagrantfile

Boxes

Provisioning

Networking

Synced Folders

Multi-Machine

Providers

Plugins

Other

WHY VAGRANT?

Vagrant provides easy to configure, reproducible, and portable work environments built on top of industry-standard technology and controlled by a single consistent workflow to help maximize the productivity and flexibility of you and your team.

To achieve its magic, Vagrant stands on the shoulders of giants. Machines are provisioned on top of VirtualBox, VMware, AWS, or <u>any other provider</u>. Then, industry-standard <u>provisioning</u> tools such as shell scripts, Chef, or Puppet, can be used to automatically install and configure software on the machine.

HOW VAGRANT BENEFITS YOU

If you're a **developer**, Vagrant will isolate dependencies and their configuration within a single disposable, consistent environment, without sacrificing any of the tools you're used to working with (editors, browsers, debuggers, etc.). Once you or someone else creates a single Vagrantfile, you just need to vagrant up and everything is installed and configured for you to work. Other members of your team create their development environments from the same configuration, so whether you're working on Linux, Mac OS X, or Windows, all your team members are running code in the same environment, against the same dependencies, all configured the same way. Say goodbye to "works on my machine" bugs.

If you're an **operations engineer**, Vagrant gives you a disposable environment and consistent workflow for developing and testing infrastructure management scripts. You can quickly test things like shell scripts, Chef cookbooks, Puppet modules, and more using local virtualization such as VirtualBox or VMware. Then, with the *same configuration*, you can test these scripts on remote clouds such as AWS or RackSpace with the *same workflow*. Ditch your custom scripts to recycle EC2 instances, stop juggling SSH prompts to various machines, and start using Vagrant to bring sanity to your life.

stripe

DOCUMENTATION

Getting Started

Embedded Form

Custom Forms

Mobile Apps

Charging Cards

Sending Transfers

Your Account

REFERENCES

Stripe.js

Checkout

Webhooks

Testing

Examples

API Upgrades

API Libraries

Full API Reference

M SUBSCRIPTIONS

Overview

Getting started

Integration guide

CONNECT

Overview

Getting Started

Integrating OAuth

Collecting Fees

Shared Customers

Reference

FAQ

Getting Paid

Disputes

SSL

Getting Started

Below you'll find tutorials that will teach you how to use Stripe, and reference documentation for all the moving parts.



On your website

Start accepting payments on your website with our JavaScript libraries. Learn more

In your mobile app

We have toolkits for native iPhone and Android applications. Learn more

Stripe plugins for 3rd party software

As well as the official API libraries listed above, there are a number of third-party plugins and libraries built by our community, such as for Wordpress and Drupal. Learn more





Use Stripe with other services

Stripe has lots of third-party integrations which require no programming, hosting or complicated setup on your behalf, such as Shopify and Wufoo. Learn more





Need help?

We're always happy to help out with code or any other questions you might have. Learn more

API mailing list

Building a third party integration or Connect application? Join our mailing list to be notified of API changes and stay up to date. View mailing list









MIXINS

Animation

Animation-delay

Animation-direction

Animation-duration

Animation-fill-mode

Animation-iteration-count

Animation-name

Animation-play-state

Animation-timing-function

Appearance

Backface-visibility

Background

Background-image

Border-image

Border-radius

Box-sizing

Calc

Columns

Filter

Flexbox

MIXINS

Animation

View Spec View Source

The animation mixin supports comma separated lists of values, which allows different transitions for individual properties to be described in a single style rule. Each value in the list corresponds to the value at that same position in the other properties.

```
box:hover {
    // Animation shorthand works the same as the CSS3 animation shorthand
    @include animation(scale 1.0s ease-in, slide 2.0s ease);

    // The above outputs the same CSS as using independent, granular mixins.
    @include animation-name(scale, slide);
    @include animation-duration(2s);
    @include animation-timing-function(ease);
    @include animation-iteration-count(infinite);
}
```

Demo



Animation-delay

View Spec View Source

The animation-delay property specifies when an animation should start.

Language Features Function Reference Usage About GitHub ▼

Getting Started

Using Less

Installation

Command-line usage

Usage in Code

Configuration

Third party tools

Command-line With Rhino

Client-side usage

Get Less.js

License FAQs

Using Less

Less can be used on the command line via npm, downloaded as a script file for the browser or used in a wide variety of third party tools. See the Usage section for more detailed information.

Installation

The easiest way to install Less on the server, is via npm, the node.js package manager, as so:

```
$ npm install -g less
```

Command-line usage

Once installed, you can invoke the compiler from the command-line, as such:

```
$ lessc styles.less
```

This will output the compiled CSS to stdout, you may then redirect it to a file of your choice:

```
$ lessc styles.less > styles.css
```

To output minified CSS, simply pass the -x option. If you would like more involved minification, the Clean CSS is also available with the --clean-css option.

To see all the command line options run lessc without parameters.

Usage in Code

You can invoke the compiler from node, as such:

```
var less = require('less');
less.render('.class { width: (1 + 1) }', function (e, css) {
  console.log(css);
});
```

GITHUB

Preface

- **→** Introduction
- **→** Quickstart
- **→** Release Notes
- **□** Upgrade Guide
- **→** Contribution Guide

Getting Started

- **→** Installation
- **→** Configuration
- **→** Homestead
- → Request Lifecycle
- **→** Routing
- → Requests & Input
- → Views & Responses
- **→** Controllers
- **⊢** Errors & Logging

Learning More

- **→** Authentication
- **□** Billing
- **→** Cache
- **→** Core Extension
- **→** Events
- **→** Facades
- → Forms & HTML
- **→** Helpers
- → IoC Container
- **→** Localization

Templates

- **# Controller Layouts**
- **# Blade Templating**
- **# Other Blade Control Structures**
- **# Extending Blade**

Controller Layouts

One method of using templates in Laravel is via controller layouts. By specifying the layout property on the controller, the view specified will be created for you and will be the assumed response that should be returned from actions.

Defining A Layout On A Controller

```
class UserController extends BaseController {
   protected $layout = 'layouts.master';
   public function showProfile()
        $this->layout->content = View::make('user.profile');
```

Search docs

Getting Started

Build Process

Read the Docs features

Support

Frequently Asked Questions

Webhooks

Badges

Alternate Domains

Localization of Documentation

VCS Integration

Canonical URLs

Versions

Single Version Documentation

Privacy Levels

Installation

Contributing to Read the Docs

Running tests

Architecture

How we use symlinks

Interesting Settings

Internationalization

Administrative Tasks

Read the Docs Public API

API

Welcome to Read The Docs

Read the Docs hosts documentation for the open source community. It supports Sphinx docs written with reStructuredText, and can pull from your Subversion, Bazaar, Git, and Mercurial repositories. The code is open source, and available on github.

The main documentation for the site is organized into a couple sections:

- User Documentation
- Features
- About Read the Docs

Information about development is also available:

- Developer Documentation
- Designer Documentation
- Operations Documentation

User Documentation

- Getting Started
 - Write Your Docs
 - Import Your Docs
- Build Process
 - Understanding what's going on
 - Builder Responsibility
 - Packages installed in the build environment
 - Writing your own builder
 - o Deleting a stale or broken build environment



GUIDES

COMMUNITY

ry BLOG

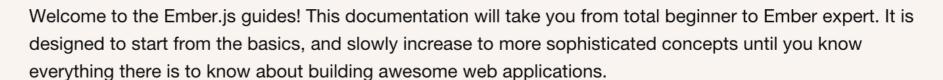


GETTING STARTED
GETTING EMBER
CONCEPTS
THE OBJECT MODEL
APPLICATION
TEMPLATES
ROUTING
COMPONENTS
CONTROLLERS
MODELS
VIEWS
ENUMERABLES
TESTING
CONFIGURING EMBER.JS
сооквоок
UNDERSTANDING EMBER.JS
CONTRIBUTING TO EMBER.JS



EMBER.JS GUIDES

API



To help you get started, we've also made a 30-minute screencast that will guide you through building a full-featured Ember.js application:

```
Building an Ember.js Application
                  App = Ember.Application.create();
                  App.Router.map(function() {
  style.css
                      this.resource('about');
                      this.resource('posts');
> lbs
                  });
 incless.html
                  var posts = [{ 1
 TODO:txt
                    id: '1',
                    title: "Rails is Omakase",
                   author: { name: "d2h" },
                              Date('12-27-2012'),
                   excerpt: "There are lots of à la
                                                                     environments in this world. Places where in or
                   body: "I want this for my ORM, I
                                                                     y template language, and let's finish it off w
                 }, {
                   id: '2',
                   title: "The Parley Letter",
                   author: { name: "d2h" },
                             Date('12-24-2012'),
                   excerpt: "My [appearance on the Ruby Rogues podcast](http://rubyrogues.com/056-rr-david-heinem
                   body: "A long list of topics were raised and I took a time to ramble at large about all of the
             22 H;
```

Source code for the app we build in the video is available at https://github.com/tildeio/bloggr-client

Most of these guides are designed to help you start building apps right away. If you'd like to know more about the thinking behind Ember.js, you'll find what you're looking for in the Understanding Ember.js section.



Some helpful design tools

Just a few of my favourites.



Tell people!

Reddit

Twitter

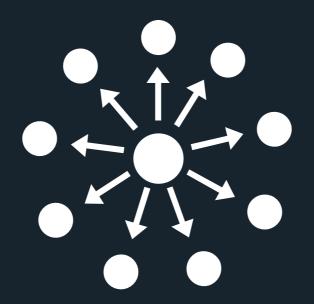
Hacker News

SitePoint

phpweekly.com

phpdeveloper.org

3. Maintain



Watch it spread

See how your package is actually being used in the real world.



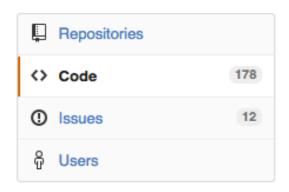
Sort: Recently indexed ▼

PHP

Search

"league/plates"

Search



We've found 178 code results

Last indexed 3 days ago

vermillion-php/plates-provider - ProviderTest.php

Languages

PHP	×
JSON	59
Markdown	13
Smarty	2
YAML	1
XML	1

Advanced search Cheat sheet

```
n-brainwave/view – PlatesEngine.php
Last indexed 2 days ago
                                                                                                                         PHP
      Last indexed 2 days ago

    Narrowspark is an open source PHP 5 framework, based on the Slim framework.

    17
    18
            */
    19
    20
          use \ League \ Plates \Engine;
    21
          use \ League \ Plates \ Extension \ URI;
    22
          use \League\Plates\Extension\URI;
    22
          use \ League \ Plates \ Extension \ Asset;
    23
          use \Brainwave\Workbench\Workbench;
    24
          use \League \Plates\Template\Template;
    25
```

```
$c->register(new Provider(), ['plates.options.paths' => [['main', __DIR__]]]);

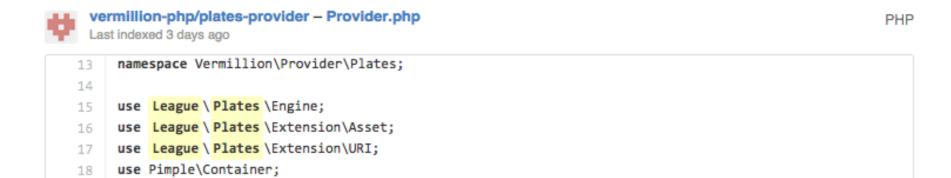
$services = [

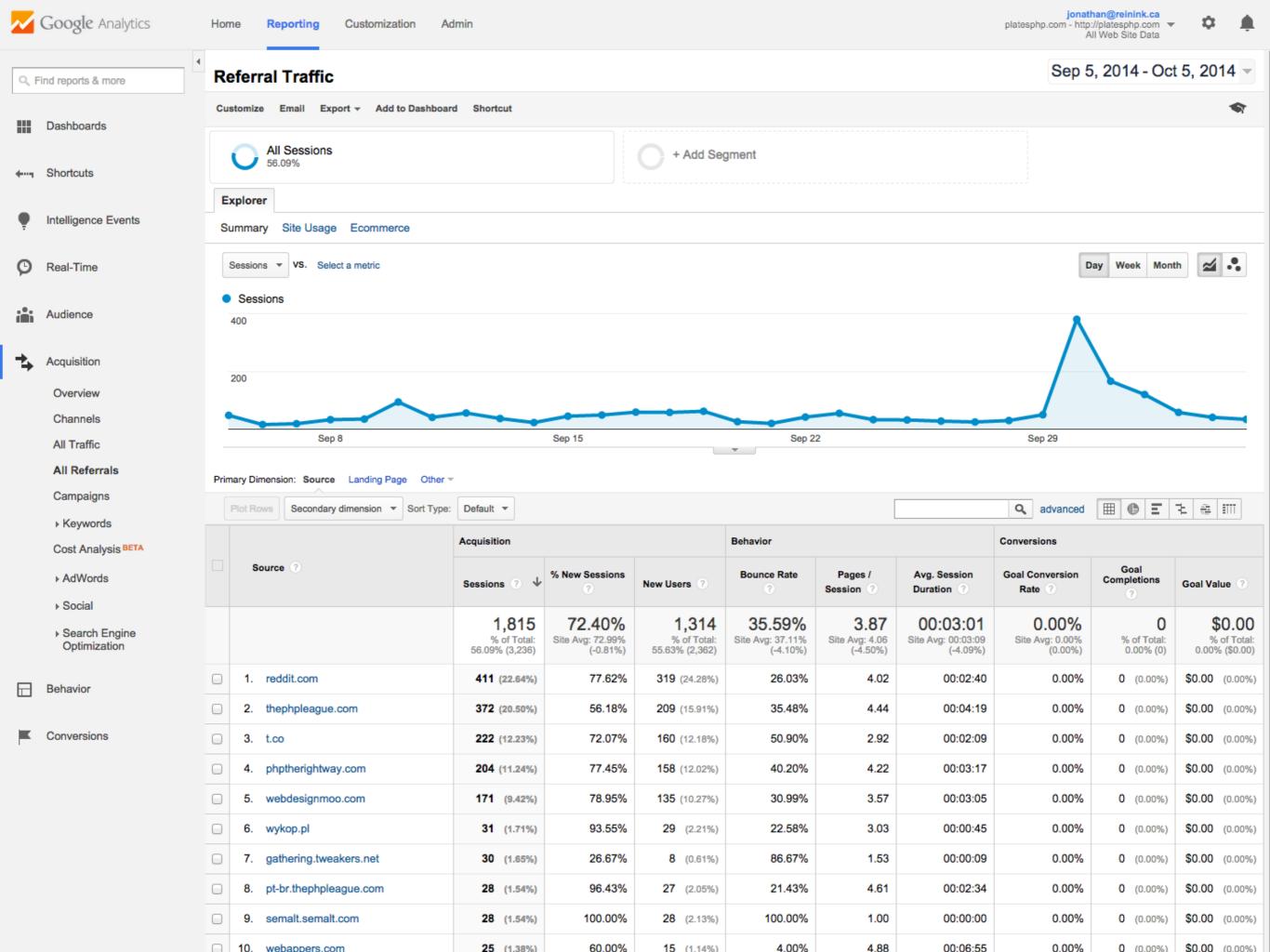
'plates.ext.uri' => '\League\Plates\Extension\URI',

'plates.ext.uri' => '\League\Plates\Extension\URI',

'plates.ext.asset' => '\League\Plates\Extension\Asset',

'plates' => '\League\Plates\Engine',
```



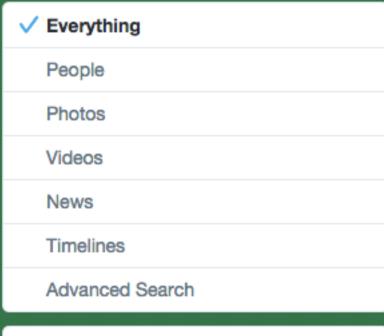














People you follow



Near you

Trends · Change

#WheatThinsGuards

Promoted by Wheat Thins Canada

London

Nuit Blanche

#WeTheNorth

Toronto

#Patriots

#topoli

#ThankYou1DForTheWWAT

#wherewegoingtodaymark

Gone Girl

Results for platesphp

Save

Top / All



Pablo Prieto @dispatchevent · Sep 30

Plates 3.0 is out, a native PHP template system: platesphp.com

Expand

◆ Reply 17 Retweet ★ Favorite · · · More

Patrick Noonan favorited

The PHP League @thephpleague · Sep 30

Version 3 of our Plates project has been released, with some handy new native PHP templating features. Details here: platesphp.com/changelog/

Expand



Blaž Oražem @blazorazem · Sep 8

Plates - native #PHP template system, fast, easy to use and easy to extend platesphp.com

Expand

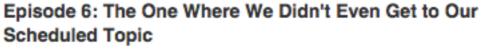
◆ Reply ★ Retweet ★ Favorite · · · More

Kayla Daniels and 1 other favorited

That Podcast @thatpodcast · Aug 20

We mentioned @reinink and Plates on ep6! We forgot to mention @thephpleagues. Next time?:)

thatpodcast.io/episodes/episo... platesphp.com



Lots of updates and discussion

View on web

Expand















Who to fo









@ 2014 Twitte Cookies Ads Jobs Advertis Developers



Issues and Pull Requests

Open source collaboration is amazing.



Dealing with strong personalities

Sometimes open source collaboration can suck.



Listen to those actually using it

Lots of people will have opinions, but have they ever used your package?



Dealing with backwards compatibility

How to make improvements when they will break existing code.



What to do when you lose interest

Pass off to someone with a vested interest.



Follow me on Twitter at @philsturgeon



https://joind.in/14935