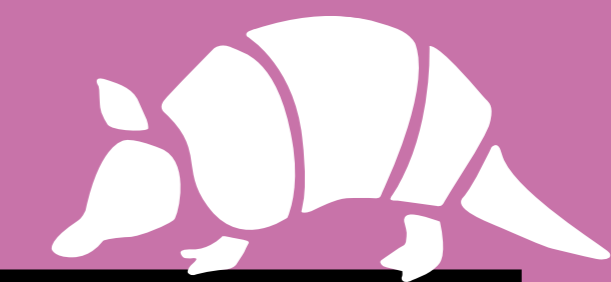


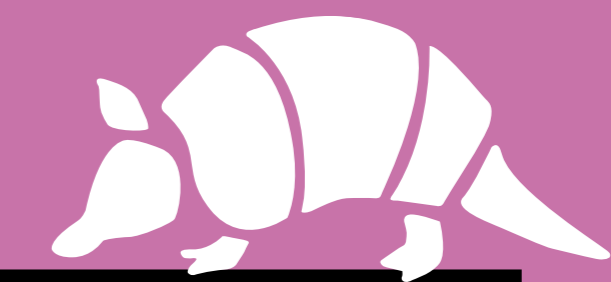
**PHP SOUTHWEST**



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**STATIC SITE GENERATORS, PHP  
& THE CUBAN REVOLUTION**

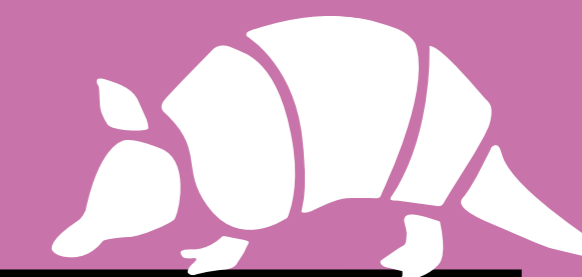
**PHP SOUTHWEST**



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**STATIC SITE GENERATORS, PHP  
& THE CUBAN REVOLUTION**

PHP SOUTHWEST



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STATIC SITE GENERATORS, PHP  
& THE CUBAN REVOLUTION

**WHAT IS A STATIC  
SITE GENERATOR?**

## WHAT IS A STATIC SITE GENERATOR?

- ▶ A script or application that runs offline to combine content and templates into a set of finalised, static web pages.
- ▶ Content is commonly stored in Markdown files under source control.
- ▶ Often use an established templating library (Twig, Handlebars, Liquid etc)
- ▶ Deployable output requires no execution or interpreting by the web server.

**WHAT ARE STATIC  
SITES GOOD FOR?**

**ANY SITE THAT DOESN'T NEED  
DYNAMIC CONTENT.**

James Titecumb @asgrim

**I'M A FAN OF THEM WHERE A SITE  
CONTENT CHANGES RARELY (QUARTERLY  
/ ANNUALLY PERHAPS) ...  
BROCHUREWARE TYPE SITES.**

**Steve Kirtley @stevekirtley**



**THE SECURITY ASPECT IS A BIG PLUS FOR ME. WITH NO SERVER-SIDE SCRIPTING LANGUAGE INVOLVED THE ATTACK SURFACE DROPS THROUGH THE FLOOR.**

**Nev Stokes @nevstokes**

**THEY'RE HANDY WHEN YOU WANT THE HOSTING SETUP TO BE AS MINIMAL AS POSSIBLE (FROM GITHUB PAGES, OR AN S3 BUCKET, FOR INSTANCE).**

Tom Hazledine @thomashazledine

**[FOR OUR PROJECT WE WERE] ALSO  
THINKING ABOUT LONGEVITY. HTML, CSS,  
JAVASCRIPT FOREVER!**

Sally Lait @sallylait

## ADVANTAGES OF STATIC SITES

- ▶ Minimal and inexpensive hosting requirements
- ▶ Introduces no additional attack surfaces
- ▶ Fast - low user wait times, so better UX
- ▶ Simple and therefore long-lasting

**WHAT ABOUT, YOU KNOW,  
ACTUAL FUNCTIONALITY?**

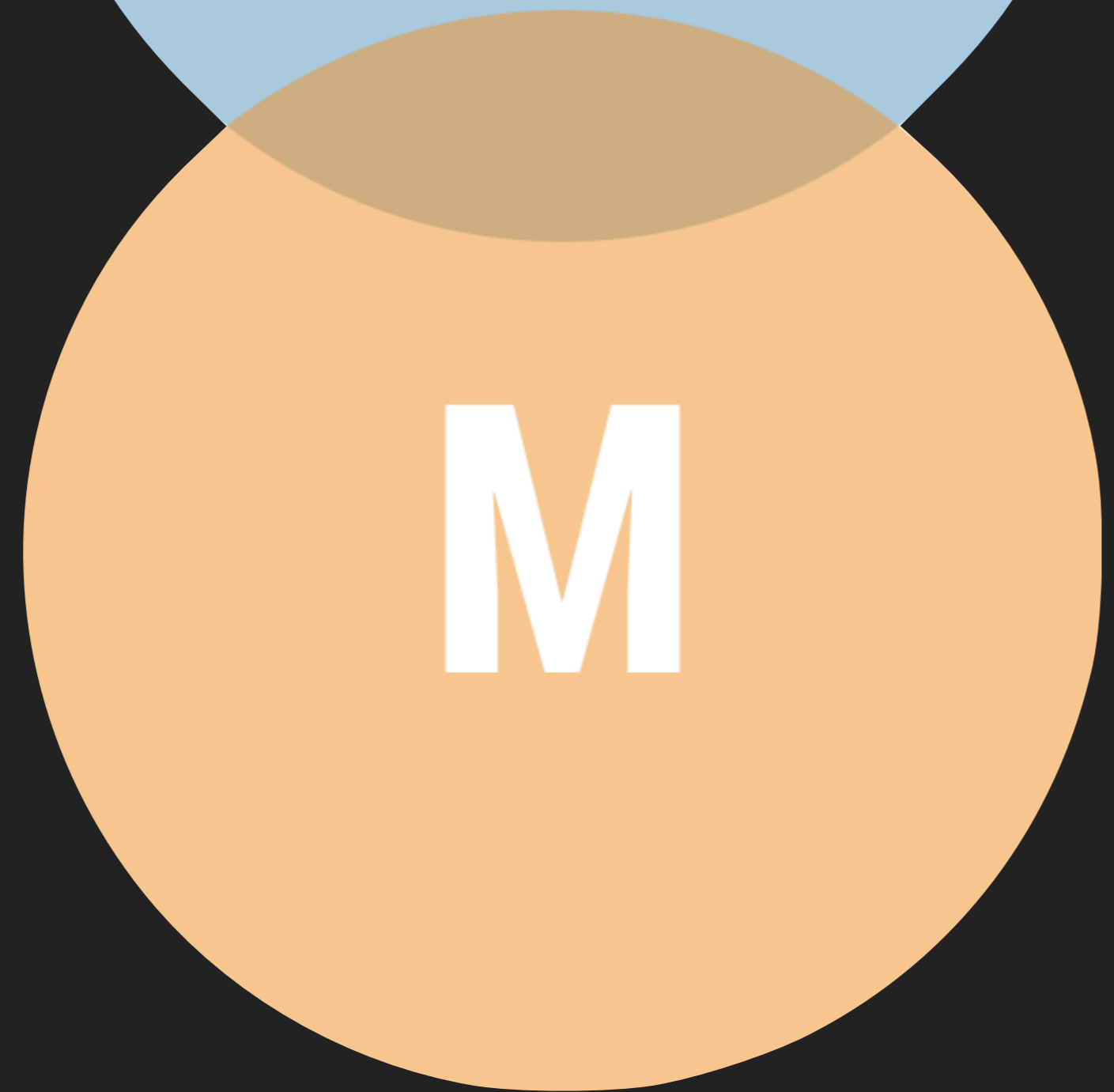
## FUNCTIONAL THINGS THAT REAL WEBSITES ACTUALLY HAVE

- ▶ Contact forms
- ▶ Content search
- ▶ Commenting
- ▶ Authentication
- ▶ A/B, multivariate, bucket testing

**“SERVERLESS”**

---

**(SOMEONE ELSE’S SERVER)**



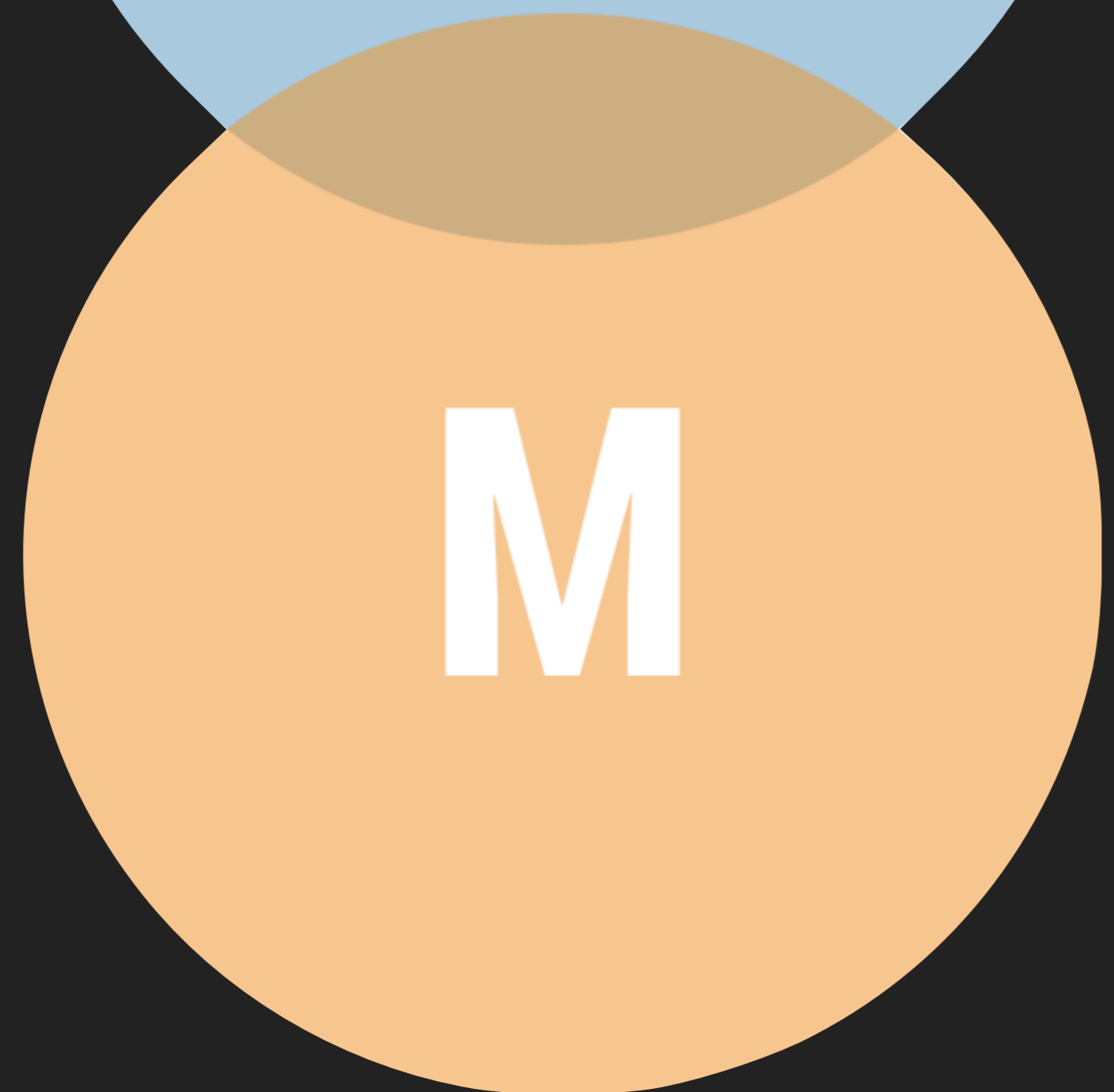




**JAVASCRIPT**

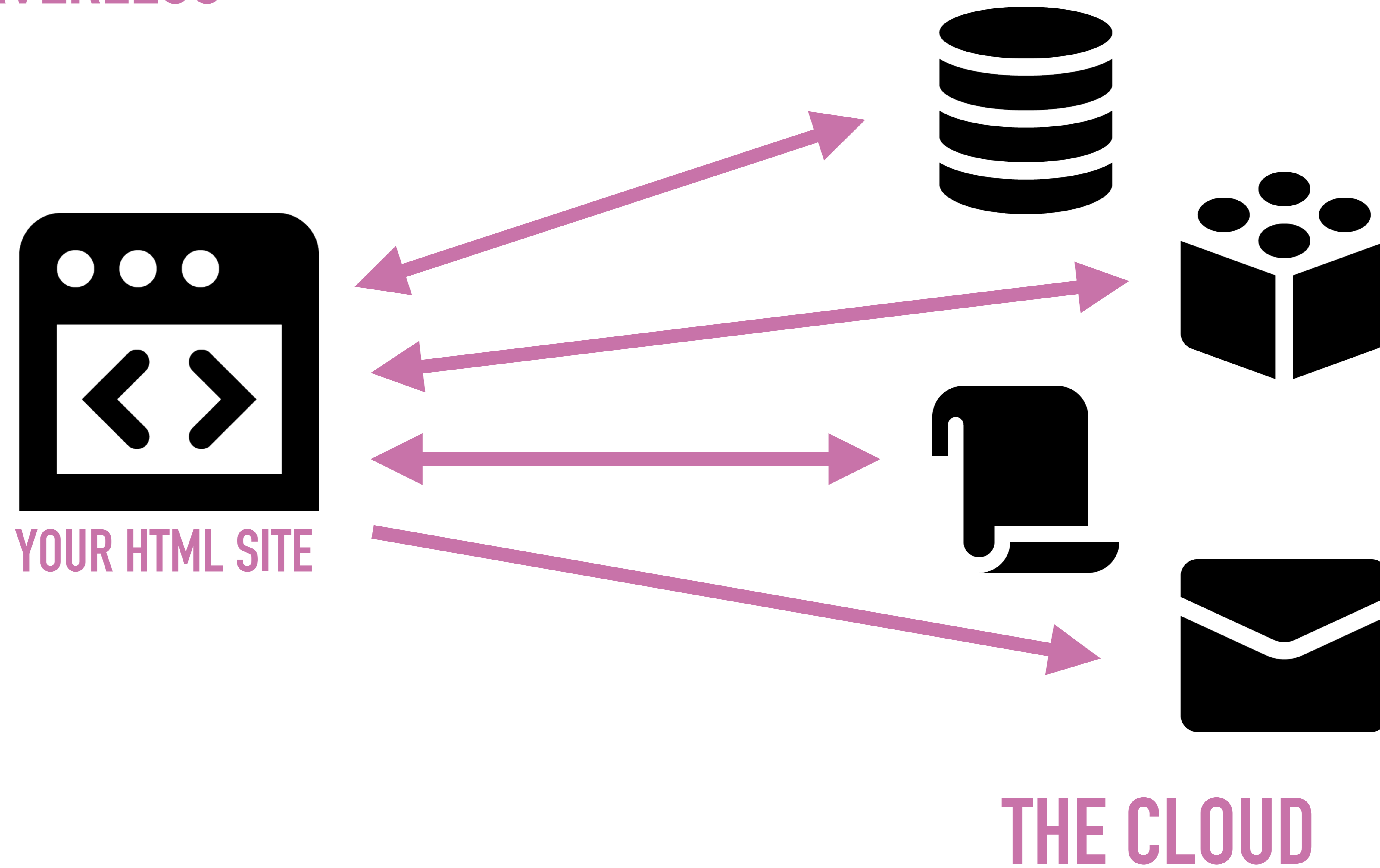


**APIS**

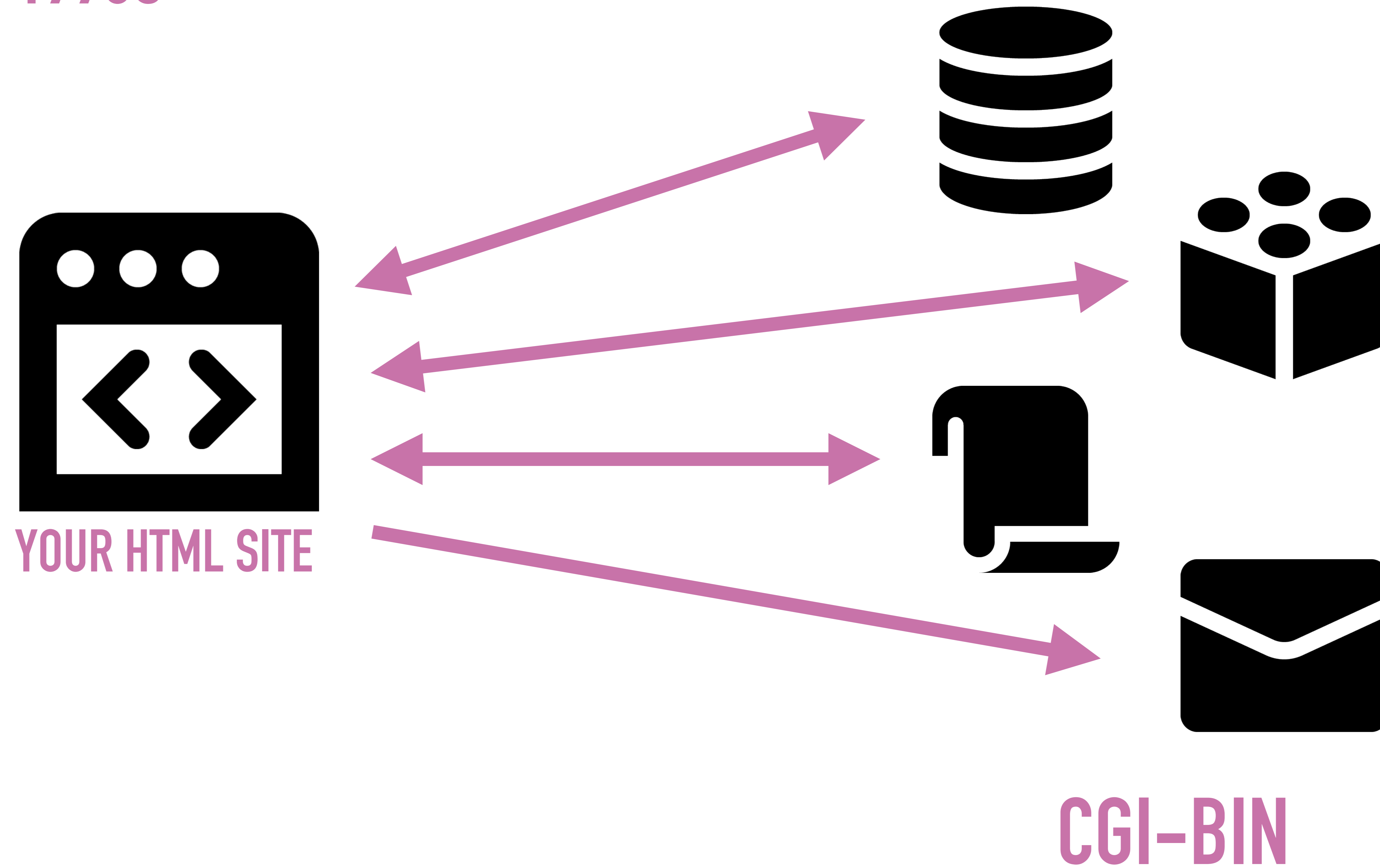


**MISPLACED SENSE OF  
NOSTALGIA**

# SERVERLESS



## THE 1990S



## 'SERVERLESS' THINGS WE ALREADY DO

- ▶ Analytics
- ▶ Mailing list sign-ups
- ▶ Social interactions, like, share etc
- ▶ Payment gateway integration (e.g. Stripe.js)

**SERVERLESS ARCHITECTURE  
DANCES TO THE MELODY  
INSTEAD OF THE BEAT.**

@drewm

## ADVANTAGES OF STATIC SITES

- ▶ Minimal and inexpensive hosting requirements
- ▶ Introduces no additional attack surfaces
- ▶ Fast - low user wait times, so better UX
- ▶ Simple and therefore long-lasting

## ADVANTAGES OF STATIC SITES

- ▶ ~~Minimal and inexpensive hosting requirements~~  
Proprietary platform and/or third-party APIs (+ cost)
- ▶ ~~Introduces no additional attack surfaces~~  
Multiple additional attack surfaces, out of your control
- ▶ ~~Fast – low user wait times, so better UX~~  
Slow pages chock full of JavaScript
- ▶ ~~Simple and therefore long-lasting~~  
Brittle with multiple potential points of failure

**KNOW WHAT YOU'RE  
GETTING INTO.**



## STATIC SITES ARE GREAT

- ▶ Be conscious of when you need a genuinely static site
- ▶ Keep weighing the pros & cons
- ▶ It's really easy to fixate on the pros and end up in Con City

**HOW CAN I DO  
THIS IN THE PHP?**

# Sculpin

Static Site Generator



Sculpin is a **static site generator** written in **PHP**. It converts **Markdown files, Twig templates** and standard HTML into a **static HTML site** that can be **easily deployed**.

Are you looking for **developer friendly forms** for your static site? Get on the **early access list** for [Liquid Forms](#) and help support the team behind Sculpin!

## Why Sculpin?

**PHP static site generator.** Fast and easy to get started. If your language of choice is PHP, you'll feel right at home if you need to extend Sculpin.

**Embedded Composer.** Forget about managing library versions manually! Sculpin embeds [Composer](#) to keep your source control focused and projects consistent.

**Twig templates.** [Twig](#) is a full-featured modern template engine. It's simple to learn and it is extensible, documented, concise and flexible.

**Symfony's HTTP Kernel.** Sculpin is built on it. This lets you use Symfony Bundles to extend Sculpin for any advanced functionality you need without extending Sculpin directly.

## Get Started

Ready for a taste of Sculpin? Check out the [Quick Start Guide!](#)

## Community

If you have questions please make sure to check in with the Sculpin [community!](#) Whether it be [IRC](#), [Twitter](#), or [mailing list](#), we are here for you!

## Powered by Sculpin

Here is a quick sampling of Sculpin powered sites in the wild. Have a Sculpin powered site you'd like to have showcased here? Send a Pull Request to the [sculpin.io](#) repository on GitHub!

[Sculpin](#) o src

[Stack](#) o src

[Henrik Bjrnkov](#) o src

[Gibson Index](#)

# SCULPIN

## sculpin.io

# Symfony-based Twig templates Composer install

## Static sites for Laravel developers

Jigsaw is a framework for rapidly building static sites using the same modern tooling that powers your web applications.

```
composer global require tightenco/jigsaw
```

Blade templating, just like your Laravel apps.

Blade is a powerful, simple, and beautiful templating language, but until now it wasn't an option if you were building a simple static site that didn't need a complex PHP backend.

Jigsaw brings Blade to the static site world, so you can use the same templating engine for simple websites as you do for complex web applications.

```
@extends('_layouts.master')

@section('body')
    <h1>Hello World!</h1>
@endsection
```

Use Markdown for content-driven pages.

```
---
extends: _layouts.post
section: content
---

# Hello World!

Welcome to the future.
```

Markdown is a fantastic writing format for things like articles, blog posts, or documentation pages.

Jigsaw makes it painless to create a layout in Blade, and fill it with content written in Markdown.

[Learn more in the docs.](#)

Compile your assets using Laravel Mix.

Jigsaw bakes in support for Laravel Mix so you can compile your CSS and Javascript assets the same way you're used to in Laravel.

We also preconfigure Mix to watch your Blade files so your site is rebuilt automatically when you make a change. Combined with out-of-the-box Browsersync support, previewing your changes quickly couldn't be easier.



Ready to get started?

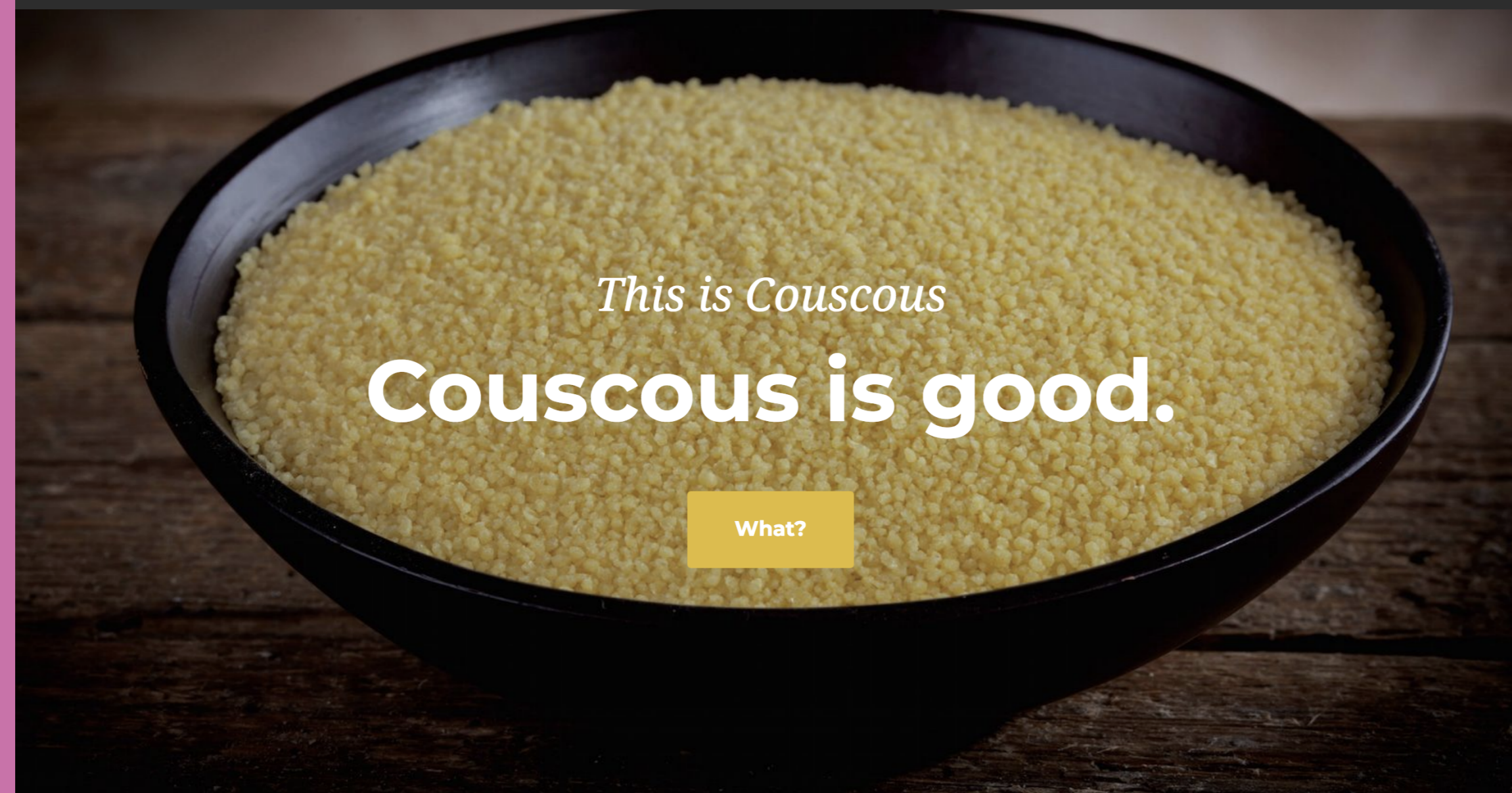
Check out our installation instructions and you'll be up and running in no time.

[Build your site](#)

# JIGSAW

## jigsaw.tighten.co

## Laravel-based Blade templates Composer install

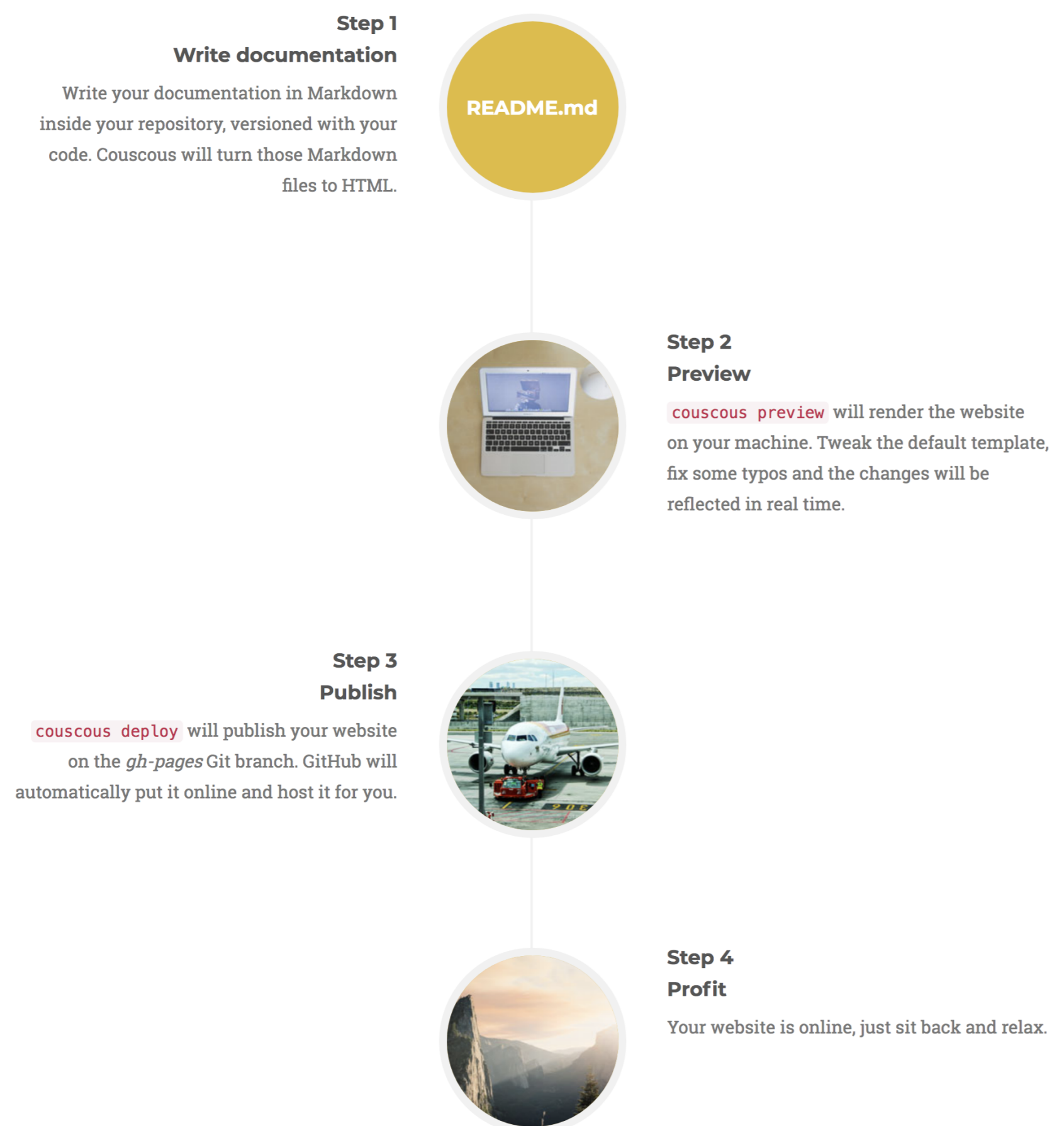


This is Couscous  
**Couscous is good.**

What?

## Put your documentation online

Couscous turns Markdown documentation into beautiful websites. It's [GitHub Pages](#) on steroids.



Why?

# COUSCOUS

## couscous.io

Designed for documentation sites  
Twig templates  
Composer install

**IN CONCLUSION**

## IN CONCLUSION

- ▶ Static sites are good
- ▶ Serverless is cgi-bin for hipsters
- ▶ SSGs for PHP are a thing
- ▶ I've been @drewm
- ▶ You've been lovely, thanks!