WordPress as a Static Site Generator

Leon Stafford







Sign: Aquarius

Passions: Open source, automation, low resource computing

Turn-offs: Insecurities (with your hosting), slow pageloads

Occupation: Founder, developer, support engineer @ wp2static.com

Seeking: Businesses having commitment issues with WordPress

What we'll be covering

- static websites
- wtf are they?
- eww, why would I want one?
- j/k, FOMO, how do I get one?

What is a static site?

static



dynamic



LATEST NEWS

LATEST NEWS

Welcome To WordCamp Social

#WCBNE After Party

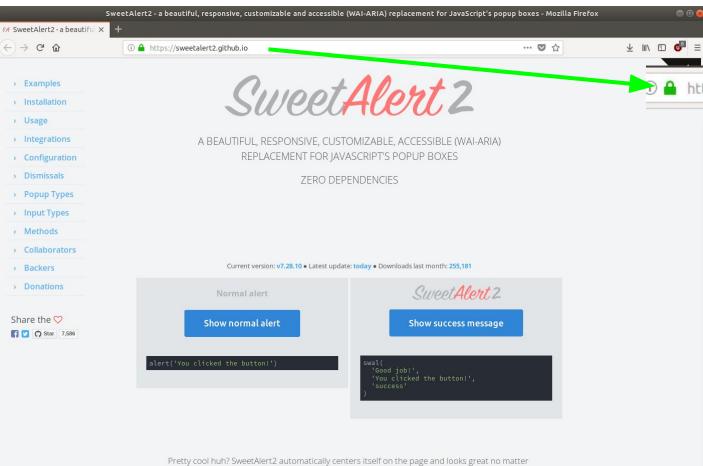
Welcome To WordCamp Socia

#WCBNE After Party

What is a static site?

static

dynamic



https://sweetalert2.github.io

if you're using a desktop computer, mobile or tablet. It's even highly customizeable, as you can see below!

So, what's the difference?

static

dynamic

pre-generated

compiled on the fly

low-resource

resource-intensive

usable offline

online only

secure by default
 needs security

Why would I want a static site?

secure fast low-cost

Security

With no database, no PHP, there is very little attack vector left exposed

Performance

No such thing as a cache-miss

vs Caching

"Once a resource intensive operation is done, remember the outcome. The next time the same operation is requested, you can just give the result instead of doing that operation again."

--@brendt_gd (stitcher.io)

Cost effectiveness

Gratis

Netlify, GitHub/GitLab/BitBucket Pages, S3, Azure, GAE free tiers, Firebase, Neocities

Cheap

BunnyCDN, KeyCDN, OBSD Amsterdam, etc.

Cost to the environment

\$40/month of hosting has to be paid by someone, selling something else, commuting to work, etc

Let's not waste energy on WordPress hamsters

Resilience



Activists / political refugees

Backends with benefits

Optionally, commit whole site snapshots under version control

When the fan gets dirty, instantly rollback while figuring out what went wrong

Website archival

Take a snapshot of a legacy client's site, keep hosting it for free (you're a good human!)

Forget about it - no WP updates, no application vulnerabilities

How to publish statically?

- wget
- httrack
- SiteSucker
- WP plugins

- Shifter
- Strattic
- HardyPress
- JAMstack + WP

The JAMstack

JavaScript

APIs

Markup

Use WordPress as a data-source for a static site generator like gatsby.js

Purely static vs dynamic elements

contact forms





- comments
- search
- e-commerce
- user accounts





Static site generators

gatsby.js

Hugo

VuePress

Eleventy

Jekyll

Hyde

Pelican

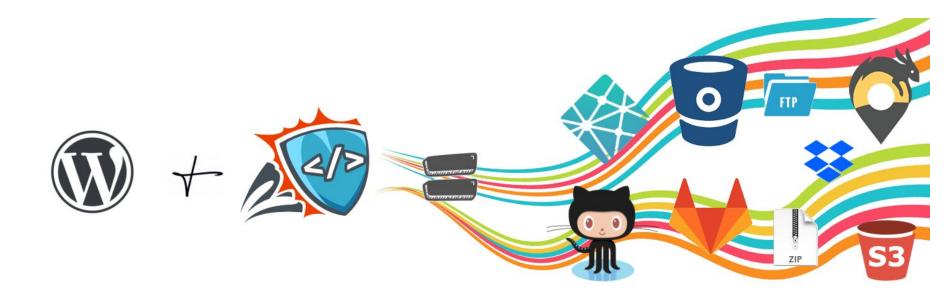
Jigsaw

staticgen.com

Why we're not all using SSGs

- WP powering large chunk of web
- Ease of collaboration
- Opinionated workflows
- Command line fear
- WP admins can live in the browser

WordPress Static Site Generator



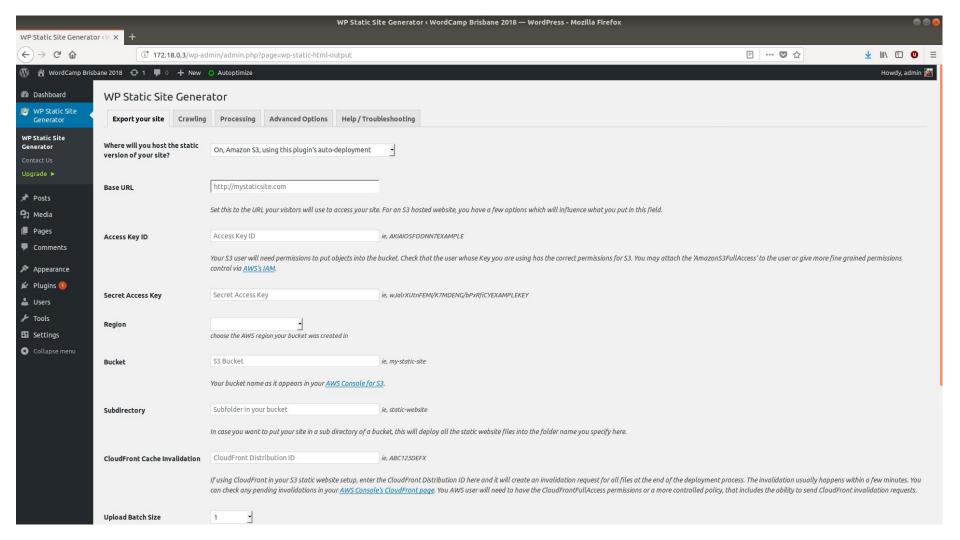
Best of both worlds

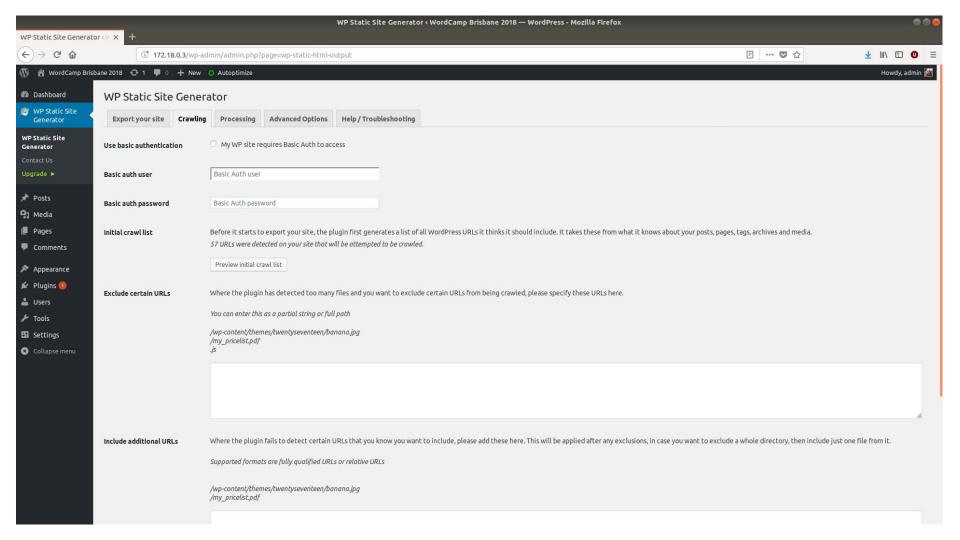
WordPress

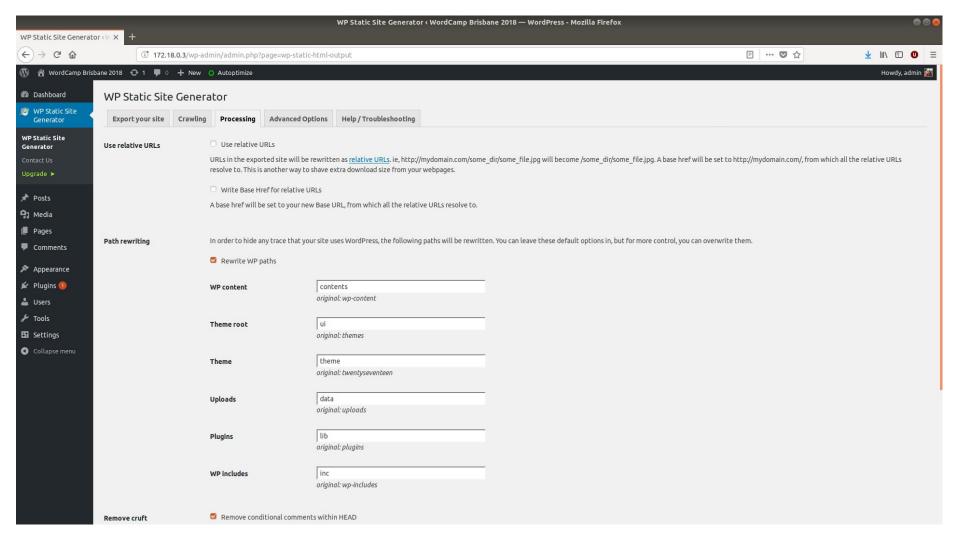
- collaboration
- plugins
- community
- rapid development
 portability

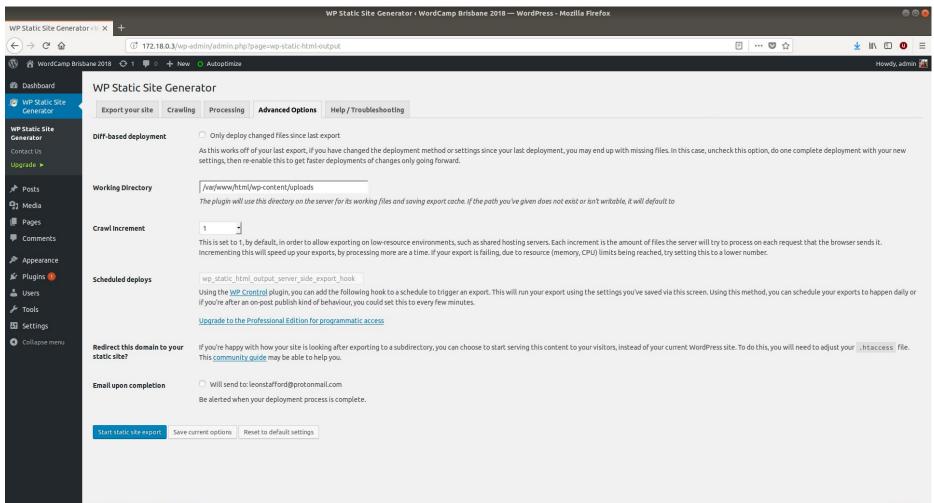
WP SSG

- security
- performance
- cost savings

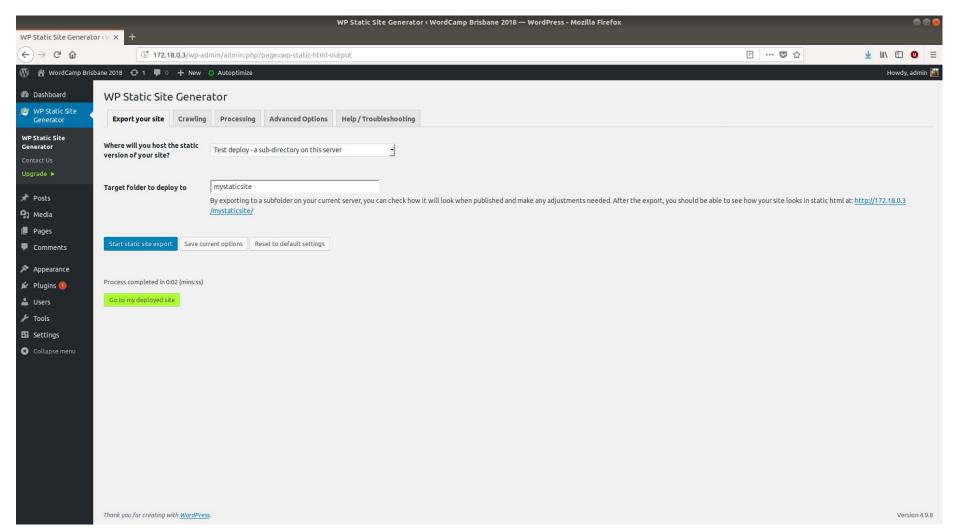








Thank you for creating with WordPress.



Optimisation addicts

http://mywordpresssite.com/wp-content/themes
/twentyseventeen/assets/images/header.jpg



/w/t/t/assets/images/header.jpg

Help on your static journey

Leon is active in several communities around static sites and is a guest on the next Static Bits episode.

leonstafford.github.io

