STEALTHY GIT
SOLVING CMS WOES WITH GIT, ON THE QUIET

PHIL HAWKSWORTH
HELLO
PHIL HAWKSWORTH
I CAN SMELL YOUR CMS

STATIC SITES GO ALL HOLLYWOOD
FRONTEERS, AMSTERDAM, 2015

@PHILHAWKSWORTH
killer insight
BUILDING SITES TO WORK WITH A CMS IS A MASSIVE PAIN IN THE ARSE

PHIL'S KILLER INSIGHT
THIS EVENING

/ THE TROUBLE WITH CMS
/ WHAT A GOOD CMS WOULD LOOK LIKE
/ THE NEXT WAVE
/ GIT BY STEALTH
THIS EVENING

/ THE TROUBLE WITH CMS
/ WHAT A GOOD CMS WOULD LOOK LIKE
/ THE NEXT WAVE
/ GIT BY STEALTH
MONOLITHIC
VISITORS & AUTHORS SERVED FROM THE SAME PLACE
CONTENT & CODE
SCALING IS HARD
PERFORMANCE IS HARD
SECURITY IS HARD
STABILITY IS HARD
Processes are hard
MANY DIFFERENT TYPES OF USERS
MANY DIFFERENT TYPES OF SKILLS
BUILDING SITES TO WORK WITH A CMS IS A MASSIVE PAIN IN THE ARSE

PHIL'S KILLER INSIGHT
BUILDING SITES TO WORK WITH A CMS IS HARD

A MORE REASONABLE OBSERVATION
CMS ARE EXPENSIVE AND DEPEND ON A COMPLEX STACK
CONTENT & CODE
CONTENT & CODE ARE TREATED THE SAME ...AS CONTENT ...IN A DATABASE
VERSION CONTROL PROCESSES ARE INTRODUCED
VERSION CONTROL For EVERYTHING
VERSION CONTROL PROCESSES ARE INTRODUCED
VERSION CONTROL PROCESSES ARE REINVENTED
LAUNCH DAY
THIS EVENING

/ THE TROUBLE WITH CMS
/ WHAT A GOOD CMS WOULD LOOK LIKE
/ THE NEXT WAVE
/ GIT BY STEALTH
freedom to create and manage content for authors
for authors

A SENSIBLE AND LOGICAL PUBLISHING WORKFLOW
FREEDOM TO BUILD AND PROTECT THE EXPERIENCE
CONFIDENCE THAT THE DESIGN WILL STAY INTACT
for users

A SAFE, SECURE AND RAPID EXPERIENCE
THIS EVENING

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a new approach?
HEADLESS CMS
Don’t let a CMS get in the way of shipping software.

Contentful provides a content infrastructure that enables teams to power content in any digital product.

It's everything your CMS isn't.
API creation made simple, secure and fast.

The most advanced open-source Content Management Framework to build powerful API with no effort.

GET STARTED  WATCH THE DEMO

Drastically reduce your API development time

Building performant, secure and scalable production-ready API has never been faster.

Modern Admin Panel
Elegant, entirely customizable and fully extensible admin panel with headless CMS capabilities. Configure and manage your API within a few clicks.

Plugins Oriented
Extensible plugins system included. Install auth system, content management, custom plugins, and more, in seconds.

Front-end agnostic
Use any front-end strategy. frameworks (React, Vue, Angular, etc.), third parties (developers, customers and partners), mobile apps or even IoT.
A headless CMS that manages your content, not your workflow.

Directus is an API-driven content management framework for custom databases. It decouples content for use in apps, websites, or any other data-driven projects.

Core Principles
Bring content to any platform
You build essential GraphQL infrastructure for your digital products. We build a headless CMS for your content creators.

API-first CMS of the future
Building essential infrastructure for your digital products, while setting the stage for content creators.
The Google Drive CMS

A content management system (CMS) built on an interface everyone understands.

How does it work

The Google Drive CMS is a Google Sheet with a custom menu option to publish the content of that spreadsheet to your site's API. Using this workflow you could send the contents of your Google Sheet to Slack, Mandrill, or any tren.

1. Copy the Google Drive CMS template to your Google Drive

This template provides the Apex Scripts and basic structure to publish content to your API endpoint.

Either use the big yellow buttons on this page, or make a copy of a pre-existing Google
LOTS & LOTS
<table>
<thead>
<tr>
<th>CMS Type</th>
<th>License</th>
<th>Stars</th>
<th>Twitter</th>
<th>GitHub Stars</th>
</tr>
</thead>
<tbody>
<tr>
<td>Netlify CMS</td>
<td>N/A</td>
<td>4278</td>
<td>31</td>
<td>243</td>
</tr>
<tr>
<td>Prose</td>
<td>N/A</td>
<td>3947</td>
<td>1</td>
<td>163</td>
</tr>
<tr>
<td>Strapi</td>
<td>N/A</td>
<td>3241</td>
<td>16</td>
<td>50</td>
</tr>
</tbody>
</table>

Also visit [staticgen.com](https://staticgen.com) for a ranked list of open source static site generators!
DECOUPLED
API-BASED HEADLESS CMS
BEST FRIENDS WITH SSG
CONTENT APIs

LOCAL

BUILD → STATIC SERVER

CI & HOSTING

BUILD → CDN

BUILD → GIT

GIT -> BUILD

netlify

Stealthy Git

Front End London, February 2018

@philhawksworth
GIT-BASED HEADLESS CMS
THIS EVENING

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/ THE NEXT WAVE
/ GIT BY STEALTH
Open source content management for your Git workflow

Use Netlify CMS with any static site generator for a faster and more flexible web project.

Static + content management = ♥
Get the speed, security, and scalability of a static site, while still providing a convenient editing interface for content.

An integrated part of your Git workflow
Content is stored in your Git repository alongside your code for easier versioning, multi-channel publishing, and the option to handle content updates directly in Git.

An extensible CMS built on React
Netlify CMS is built as a single-page React app. Create custom styled previews, UI widgets, and editor plugins or add backends to support different Git platform APIs.

Getting started is simple and free. Choose a template that's pre-configured.
THE LOGIC
give developers

GIT FROM TOP TO BOTTOM
give authors

A UI THAT NEVER EVER EVER EVER EVER EVER EVER EVER MENTS GIT
A SITE YOU CAN EXPERIMENT WITH
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ADDING THE CMS TO YOUR SITE
/DIST
YOUR LOVELY SITE FILES
/ADMIN
INDEX.HTML
CONFIG.YML
<!doctype html>
<html>
<head>
  <meta charset="utf-8" />
  <meta name="viewport" content="width=device-width, initial-scale=1.0" />
  <title>Content Manager</title>

  <!-- Include the styles for the Netlify CMS UI, after your own styles -->
  <link rel="stylesheet" href="https://unpkg.com/netlify-cms@^1.0.0/dist/cms.css" />

</head>
<body>

  <!-- Include the script that builds the page and powers Netlify CMS -->
  <script src="https://unpkg.com/netlify-cms@^1.0.0/dist/cms.js"></script>

</body>
</html>
Great coffee with a conscience

Support sustainable farming while enjoying a cup

Why Kaldi?

Kaldi is the coffee store for everyone who believes that great coffee shouldn't just taste good, it should do good too. We source all of our beans directly from small scale sustainable farmers and make sure part of the profits are reinvested in their communities.
Stealthy Git

Front End London, February 2018

@philhawksworth
for authors

A SENSIBLE AND LOGICAL PUBLISHING WORKFLOW
ADDING WORKFLOW
/DIST

YOUR LOVELY SITE FILES

/ADMIN

INDEX.HTML

CONFIG.YML
media_folder: "site/static/img"
public_folder: "img"
publish_mode: editorial_workflow
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Deploys for confident-bohr-77f7f7

- https://confident-bohr-77f7f7.netlify.com

Deploys from github.com/phihawksworth/fel-hugo-cms, published master@14e107d.

Auto publishing is on. Deploys from master are published automatically.

- Deploy settings
- Notifications
- Stop auto publishing

Production: master@91868fe BUILDING
workflow added

Today at 5:58 pm

Deploy Preview #1: cms/home@c497ed2
Update Pages "home"

Today at 5:49 pm
Deployed in 26 seconds

Production: master@14e107d PUBLISHED
Update Post "making-sense"

Today at 5:06 pm
Deployed in 40 seconds

Production: master@HEAD
No deploy message

Today at 4:52 pm
Deployed in 52 seconds
GET GIT WORKFLOWS WITHOUT KNOWING ABOUT GIT
authors

DON'T EVEN NEED A GITHUB ACCOUNT
developers

RETAIN CONTROL OF
DEVELOPMENT AND
PROPER WORKFLOWS
EVERYTHING
VERSION CONTROL
For
EVERYTHING
JAMSTACK.ORG / COMMUNITY
THANK YOU

PHIL HAWKSWORTH