



Table of Contents

P	reface	. 1			
	What You Need to Know Who this book is for What's not covered	1 1			
	How this book is organized				
	Conventions				
1	Why Static Sites	3			
	1.1 Benefits of Static Sites	3			
2	Building a Basic Static Site	. 4			
	2.1 Welcome to Harp	4			
	2.2 Your First Harp Project	4			
	2.3 Working With Layouts and Partials				
	2.4 Working With Data				
	2.5 Generating a Site				
	2.6 Building Camden Grounds				
	2.7 Going Further With Harp	4			
3	Building a Blog				
	3.1 Blogging With Jekyll	5			
	3.2 Your First Jekyll Project				
	3.3 Writing a Post				
	3.4 A Quick Introduction to Liquid				
	3.5 Working With Layouts and Includes				
	3.6 Adding Additional Files				
	3.7 Working With Data				
	3.8 Configuring Your Jekyll Site				
	3.10 Building a Blog				
	3.11 Going Further with Jekyll				
1	·				
4	Building a Documentation Site				
	4.1 Characteristics of a Documentation Site				
	4.2 Choosing a Generator for Your Documentation Site				
	4.3 Our Sample Documentation Site				
	4.4 Creating the Site				
	4.4.1 Installing Hugo				
	4.4.2 Generating the Initial Site Files				

	4.4.4	Adding Content	. 6
	4.4.5	Creating the Layout	. 6
	4.5 Goi:	ng Further	. 6
5	Addi	ng Dynamic Elements	. 7
_		adling Forms	
	5.1.1	Wufoo Forms	
	5.1.2	Google Docs Forms	
	5.1.3		
	5.1.4	Adding a Comment Form to Camden Grounds	
		ling Comments	
	5.2.1	Working with Disqus	
	5.2.2	Adding Comments to The Cat Blog	
		ling Search	
	5.3.1	Creating a Custom Search Engine	
	5.3.2	Adding a Custom Search Engine to a Real Site	
	0.0.	n More Options	
	0.1 2.0		
6	\mathbf{Addi}	ng a CMS	. 8
		udCannon	
	6.1.1	Creating a Site on CloudCannon	
	6.1.2	Editing a Site on CloudCannon	
		Where to Go from Here	
		lify CMS	
	6.2.1	Setting Up the Netlify CMS	
	6.2.2	Where to Go from Here	
	6.3 Jek	yll Admin	
	6.3.1	Setting Up Jekyll Admin	
	6.3.2	Editing a Site in Jekyll Admin	
	6.3.3	Where to Go from Here	
	6.4 Mor	re Options	
	6.4.1	Forestry.io	
	6.4.2	Lektor	
	6.4.3	Headless CMS	
7	Donl	oyment	a
•	-		
		n Old Web Servers	
		ud File Storage Providers	
	7.2.1	Hosting a Site on Amazon S3	
	7.2.2	Hosting a Site on Google Cloud Storage	
		loying with Surge	
	_	oloying with Netlify	
	7.5 Sun	nmary	g

8	\mathbf{Mirg}	rating to a Static Site	 10
	8.1 Mig	grating from WordPress to Jekyll	 10
	8.2 Oth	er Migration Options	 10
	8.2.1	Hugo	 10
	8.2.2	Middleman	 10
	8.2.3	Hexo	 10
	8.2.4	Harp	 10
	8.2.5	Many More Options Are Available	 10
	8.3 Go	Forth and Be Static	 10
Ir	idex		 11

Preface

Because of the **benefits** static site generators offer, static sites generators are used to run thousands of sites and are becoming the basis for a broad **set of tools** that reach the casual developer and the nontechnical content writer.

It can be difficult to know which tools to choose and how to get started.

That is the problem the authors hope to address in writing this book. By providing common scenarios and insights on how to address them, the authors hope to make it easier for anyone to create static sites solutions and take advantage of the speed, flexibilty, and security they offer.

What You Need to Know

Who this book is for

- This book is for web developers who are looking for a simpler way to build and deploy websites.
- For developers with experience with dynamic app servers (like PHP, Node.js, and Cold-Fusion), this book will present a simpler alternative.
- For developers who are still working with simple websites but need a way to make them more powerful.

What's not covered

- This book focuses on static site generators that work from the command line.
- Desktop tools that have similar features are not covered.

How this book is organized

- Begins by describing why you would want to use static sites.
- Subsequent chapters focus oni a specific type of site and uses this as a way of introducing different static site generators.
- How to build a site
- More advanced topics, such as adding dynamic elements back in,
- Working with CMS
- How to deploy and host a site
- How to migrate from a dynamic site to a static one

Conventions

Italic Indicates new terms, URLs, email addresses, filenames, and file extensions

Constant Width

Used for program listings, as well as within paragraphs to refer to program elements such as variables or function names, databases, data types, environment variables, statements, and keywords

Preface 2

Command

Shows commands or other text that should be typed literally by the user

'<Sample>'

Shows text that should be replaced with user-supplied values or by values determined by context.

Code Examples

Supplemental material (code examples, exercises, etc.) is available for download at https://github.com/cfjedimaster/Static-Sites-Book

- 1 Why Static Sites
- 1.1 Benefits of Static Sites

2 Building a Basic Static Site

- 2.1 Welcome to Harp
- 2.2 Your First Harp Project
- 2.3 Working With Layouts and Partials
- 2.4 Working With Data
- 2.5 Generating a Site
- 2.6 Building Camden Grounds
- 2.7 Going Further With Harp

- 3 Building a Blog
- 3.1 Blogging With Jekyll
- 3.2 Your First Jekyll Project
- 3.3 Writing a Post
- 3.4 A Quick Introduction to Liquid
- 3.5 Working With Layouts and Includes
- 3.6 Adding Additional Files
- 3.7 Working With Data
- 3.8 Configuring Your Jekyll Site
- 3.9 Generating a Site
- 3.10 Building a Blog
- 3.11 Going Further with Jekyll

4 Building a Documentation Site

- 4.1 Characteristics of a Documentation Site
- 4.2 Choosing a Generator for Your Documentation Site
- 4.3 Our Sample Documentation Site
- 4.4 Creating the Site
- 4.4.1 Installing Hugo
- 4.4.2 Generating the Initial Site Files
- 4.4.3 Configuring the Hugo Site
- 4.4.4 Adding Content
- 4.4.5 Creating the Layout
- 4.5 Going Further

5 Adding Dynamic Elements

- 5.1 Handling Forms
- 5.1.1 Wufoo Forms
- 5.1.2 Google Docs Forms
- 5.1.3 Formspree
- 5.1.4 Adding a Comment Form to Camden Grounds
- 5.2 Adding Comments
- 5.2.1 Working with Disqus
- 5.2.2 Adding Comments to The Cat Blog
- 5.3 Adding Search
- 5.3.1 Creating a Custom Search Engine
- 5.3.2 Adding a Custom Search Engine to a Real Site
- 5.4 Even More Options

6 Adding a CMS

- 6.1 CloudCannon
- 6.1.1 Creating a Site on CloudCannon
- 6.1.2 Editing a Site on CloudCannon
- 6.1.3 Where to Go from Here
- 6.2 Netlify CMS
- 6.2.1 Setting Up the Netlify CMS
- 6.2.2 Where to Go from Here
- 6.3 Jekyll Admin
- 6.3.1 Setting Up Jekyll Admin
- 6.3.2 Editing a Site in Jekyll Admin
- 6.3.3 Where to Go from Here
- 6.4 More Options
- 6.4.1 Forestry.io
- **6.4.2** Lektor
- 6.4.3 Headless CMS

7 Deployment

- 7.1 Plain Old Web Servers
- 7.2 Cloud File Storage Providers
- 7.2.1 Hosting a Site on Amazon S3
- 7.2.2 Hosting a Site on Google Cloud Storage
- 7.3 Deploying with Surge
- 7.4 Deploying with Netlify
- 7.5 Summary

8 Mirgrating to a Static Site

- 8.1 Migrating from WordPress to Jekyll
- 8.2 Other Migration Options
- 8.2.1 Hugo
- 8.2.2 Middleman
- 8.2.3 Hexo
- 8.2.4 Harp
- 8.2.5 Many More Options Are Available
- 8.3 Go Forth and Be Static

Index