

# Setup up your blog with **Hugo** and **Netlify**

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**@oveddan**



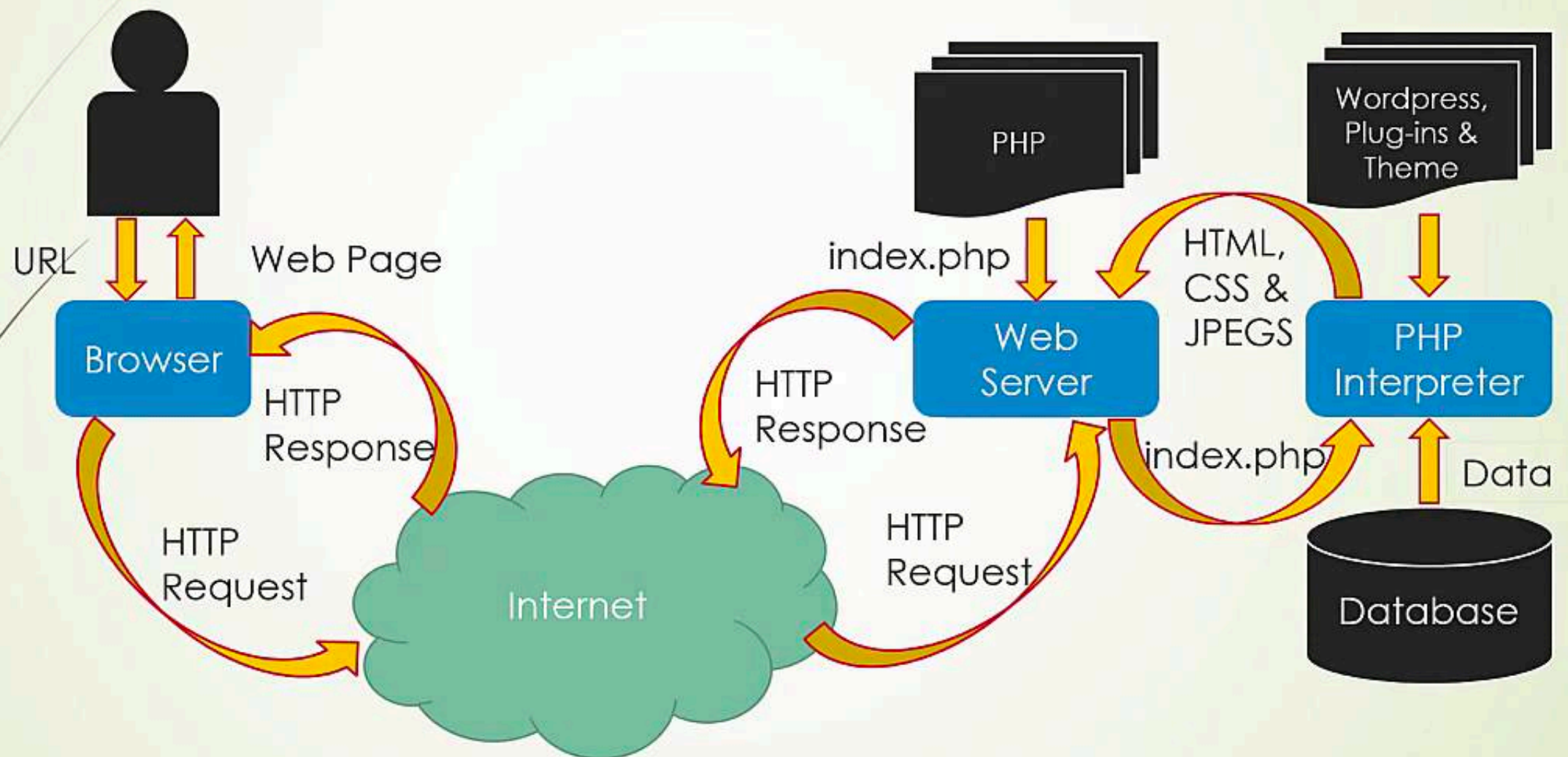
**@stangogh**



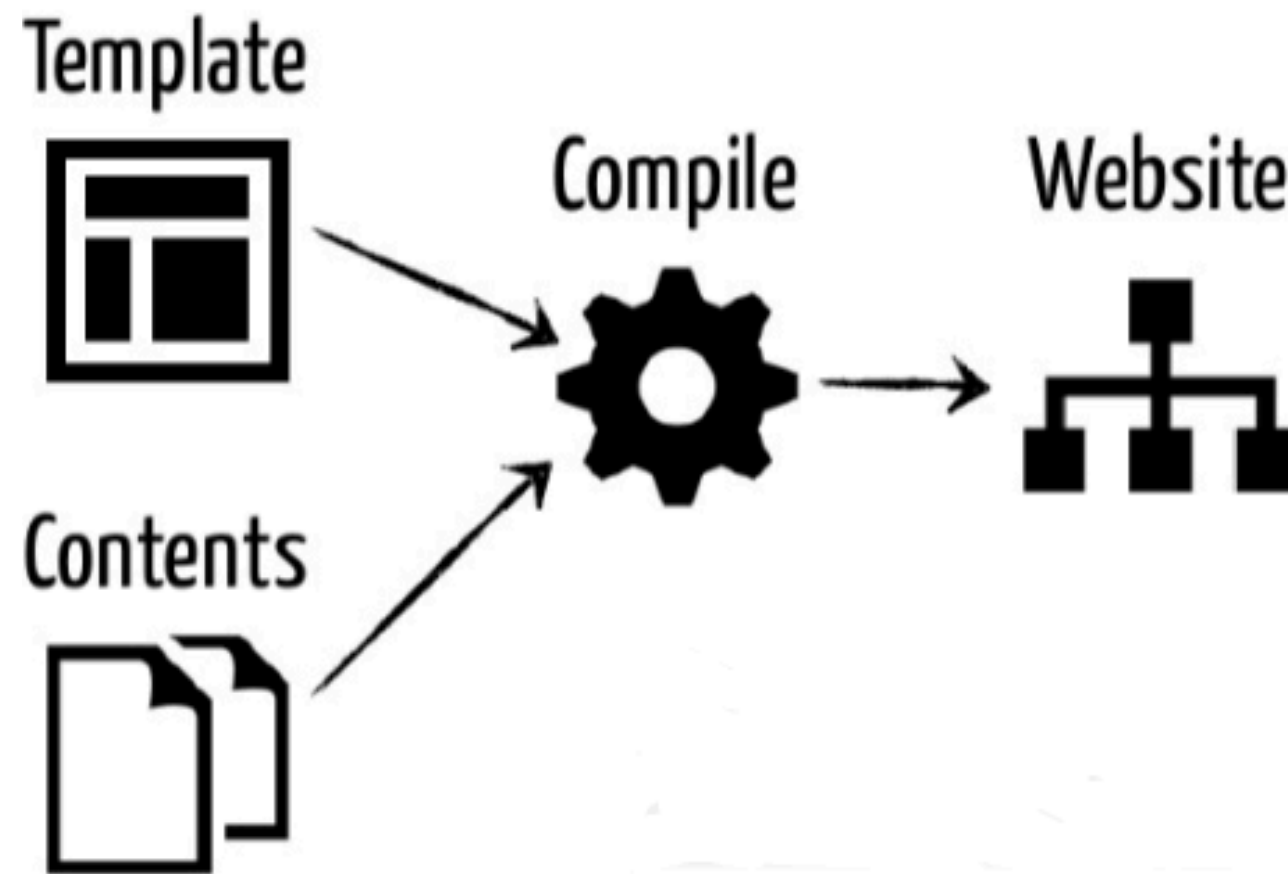
# The world's fastest framework for building websites

Hugo is one of the most popular open-source static site generators. With its amazing speed and flexibility, Hugo makes building websites fun again.

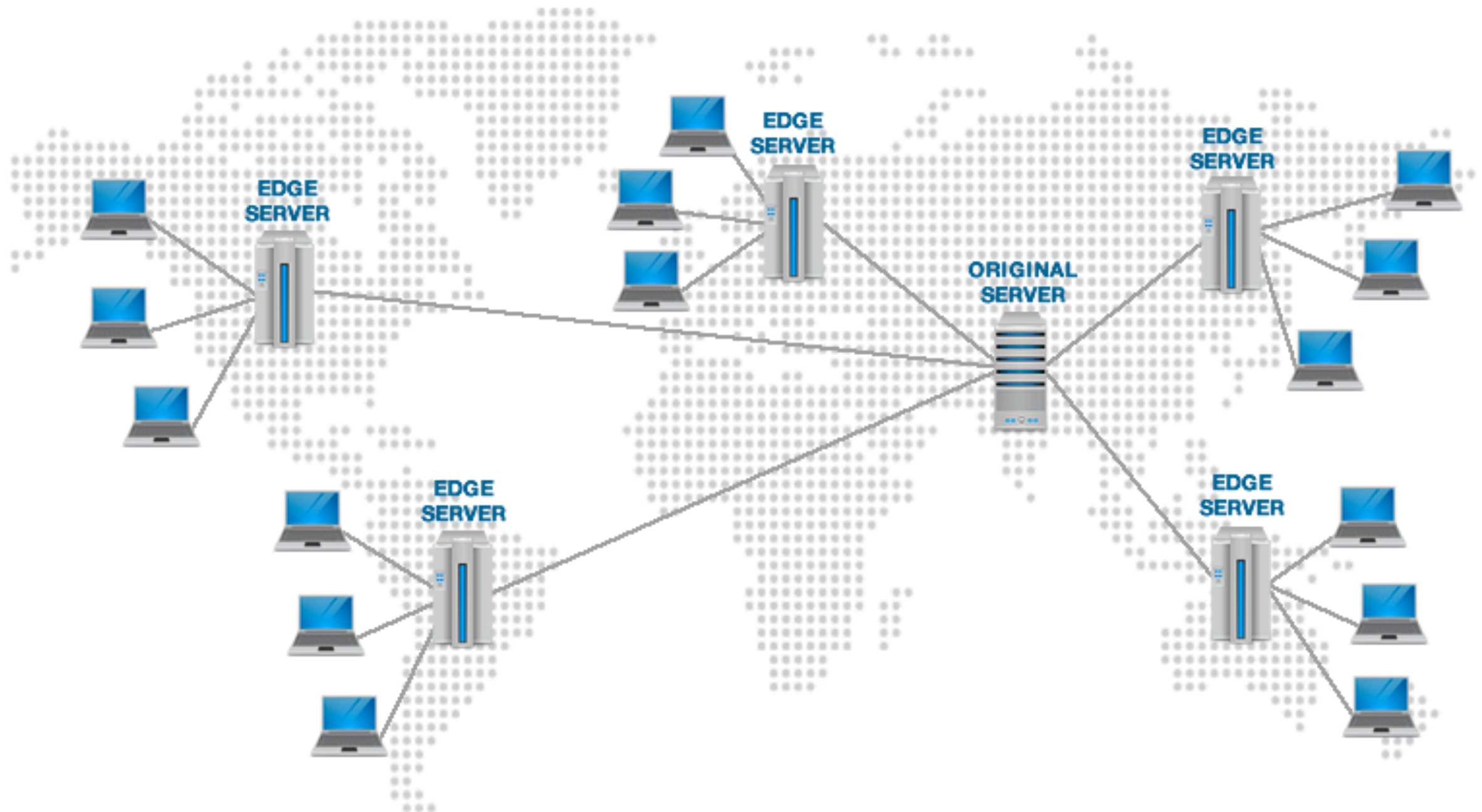
# How Wordpress Websites Work



# Hugo is a: static site generator



# Served on a Content Delivery Network (CDN)



# Setting Up Hugo - Software/Accounts

- Install Microsoft VSCode: <https://code.visualstudio.com/>
- Install GitHub desktop: <https://desktop.github.com/>
- Sign up for github: <https://github.com/>

# Setting up Hugo - Prerequisites

## On Mac:

1. Open a terminal
2. Check if homebrew installed:

If Brew is installed.

```
>>> which brew  
/usr/local/bin/brew
```

If Brew is not installed.

```
>>> which brew  
brew not found
```

3. If not installed:  
follow the instructions on **[https://  
brew.sh/](https://brew.sh/)**

## On Windows:

1. Install chocolatey:

[https://chocolatey.org/docs/  
installation](https://chocolatey.org/docs/installation)

# Install Hugo

## On Mac:

1. Open a terminal

```
brew install hugo
```

To verify your new install:

```
hugo version
```

## On Windows:

1. Open a powershell

```
choco install hugo -confirm
```

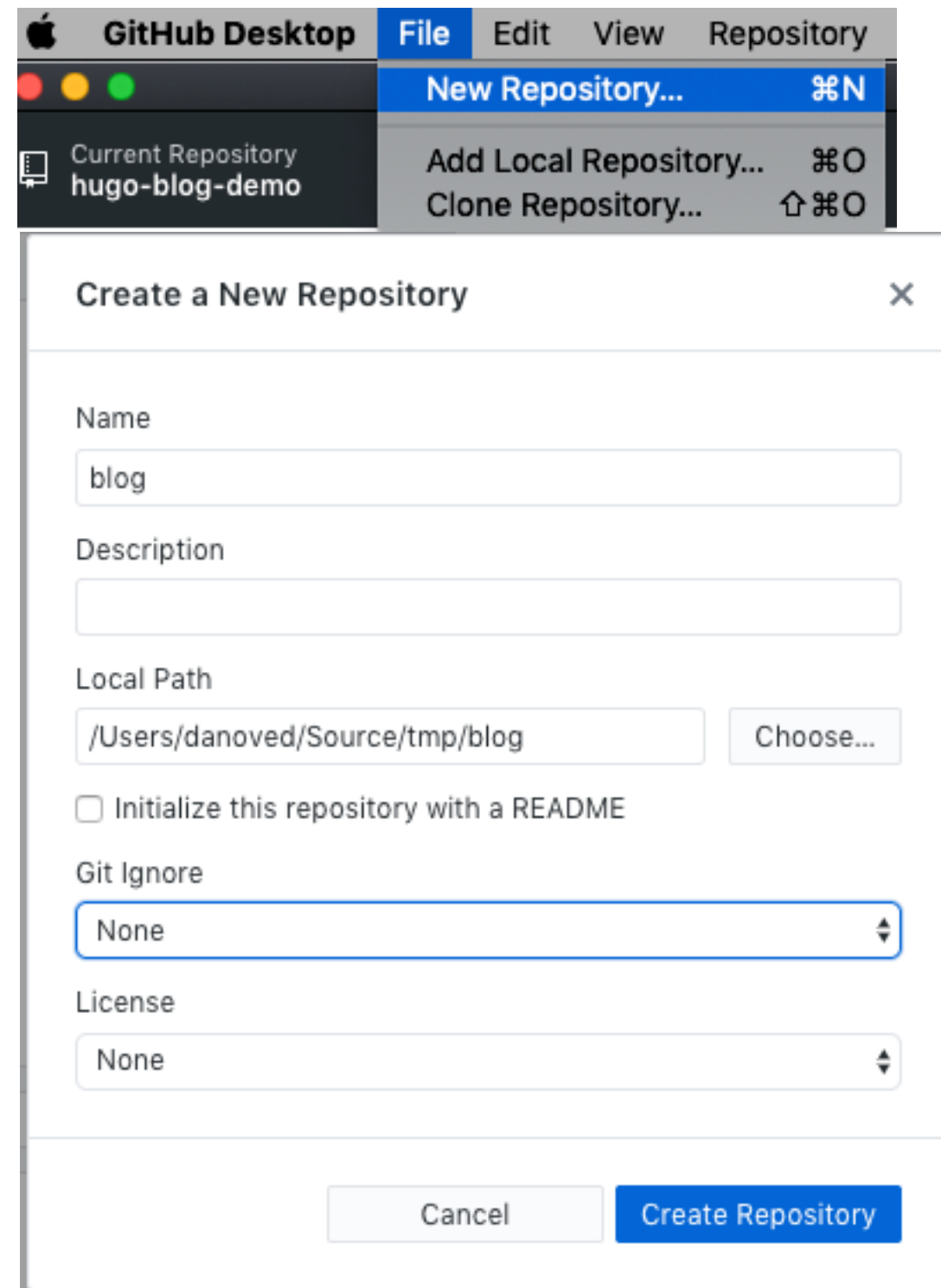


# Create a Hugo Blog, and Initialize Git:

```
# create a hugo blog
hugo new site blog

# cd into the folder
cd blog

# initialize git
git init
```



# What's Git?

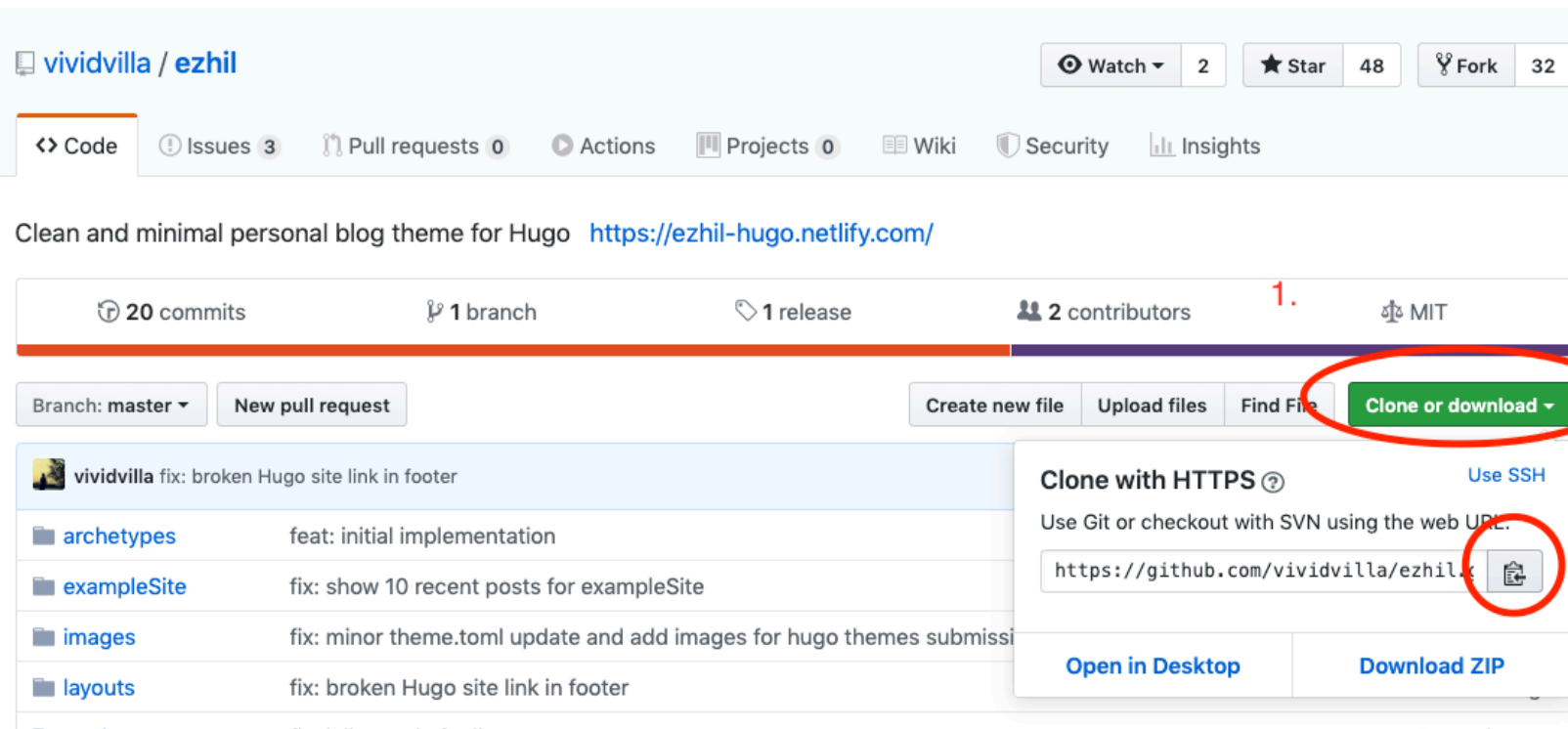


# Set your blog theme (using git submodules)

- Themes located at: [themes.go.hugo.io](https://themes.go.hugo.io). For now we will use “Ezhil”
- To use a theme, go to the “homepage”:

The screenshot shows the Hugo Themes website interface. At the top, there's a navigation bar with 'Hugo Themes' on the left, 'Prev/Next: < Cayman Hugo Theme Hugo Nes Classic >' in the center, and an 'All Themes' button on the right. The main content area features the 'Ezhil' theme card. The card includes the title 'Ezhil', a description 'Clean and minimal personal blog and portfolio theme.', author 'Vivek R', minimum Hugo version '0.37.0', update date '2019-06-19', license 'MIT', and tags 'minimal clean blog responsive personal simple minimalist portfolio'. At the bottom of the card are three buttons: 'Download', 'Demo', and 'Homepage'. The 'Homepage' button is circled in red. To the right of the card is a preview of the Ezhil theme, showing a clean layout with a header, navigation links, and a list of recent posts.

# Get the theme github url:



vividvilla / ezhil

Watch 2 Star 48 Fork 32

Code Issues 3 Pull requests 0 Actions Projects 0 Wiki Security Insights

Clean and minimal personal blog theme for Hugo <https://ezhil-hugo.netlify.com/>

20 commits 1 branch 1 release 2 contributors 1. MIT

Branch: master New pull request

Create new file Upload files Find File Clone or download

Clone with HTTPS Use SSH

Use Git or checkout with SVN using the web URL.

<https://github.com/vividvilla/ezhil.git>

Open in Desktop Download ZIP

Commits:

- vividvilla fix: broken Hugo site link in footer
- archetypes feat: initial implementation
- exampleSite fix: show 10 recent posts for exampleSite
- images fix: minor theme.toml update and add images for hugo themes submission
- layouts fix: broken Hugo site link in footer

## Clone the theme as a submodule:

```
# if you are not in the blog folder:
cd blog

# add the theme as a git submodule
git submodule add https://github.com/vividvilla/ezhil.git themes/ezhil

# set the theme in your blog config:
echo 'theme = "ezhil"' >> config.toml

# OR for any theme
git submodule add {{THEME_URL}} themes/{{THEME_NAME}}

# set the theme in your blog config:
echo 'theme = "{{THEME_NAME}}"' >> config.toml
```

# Start Your Server Locally

```
# start hugo server
```

```
hugo new posts/my-first-post.md
```

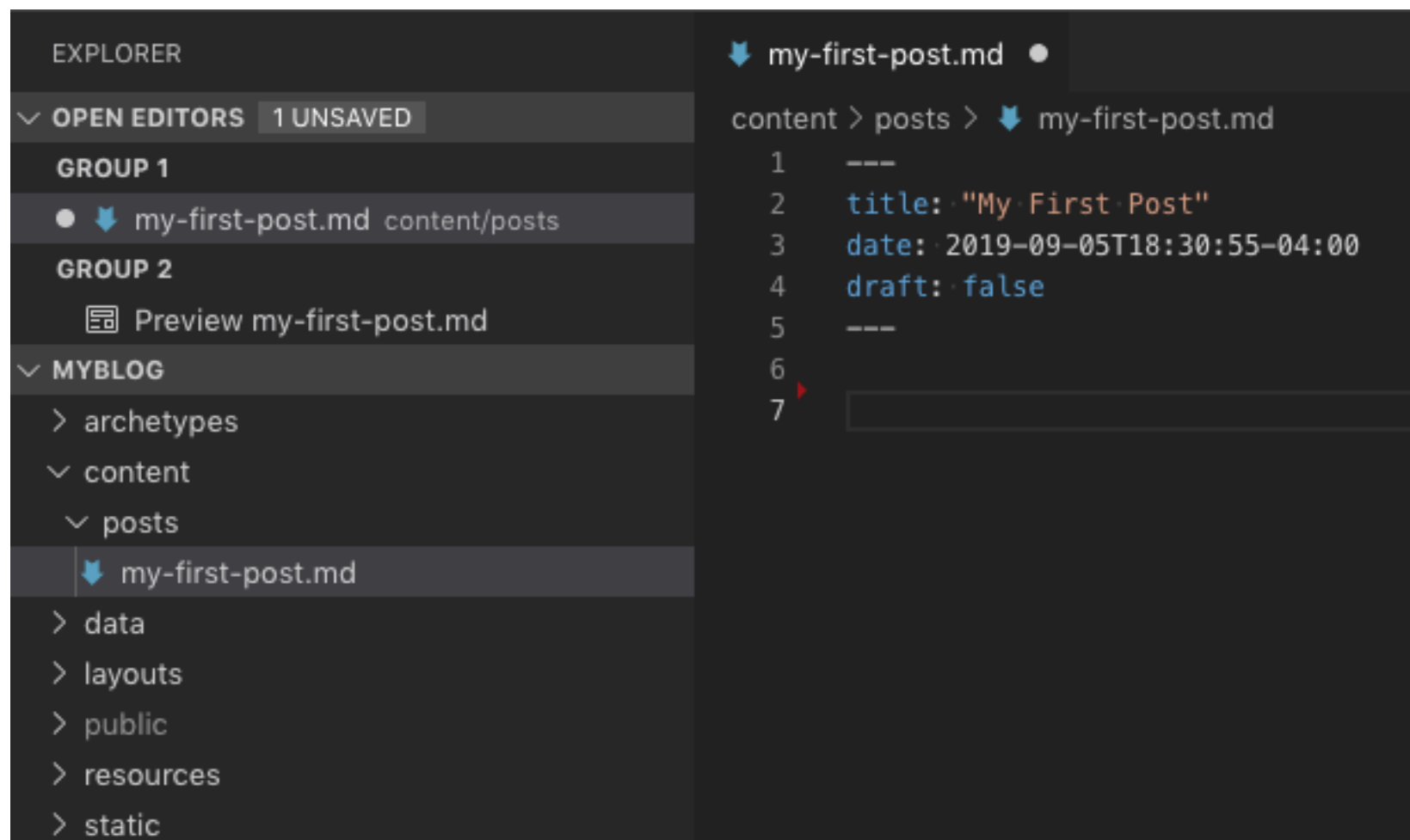
```
Web Server is available at http://localhost:1313/ (bind address 127.0.0.1)
```

**In the browser, open <http://localhost:1313/>**

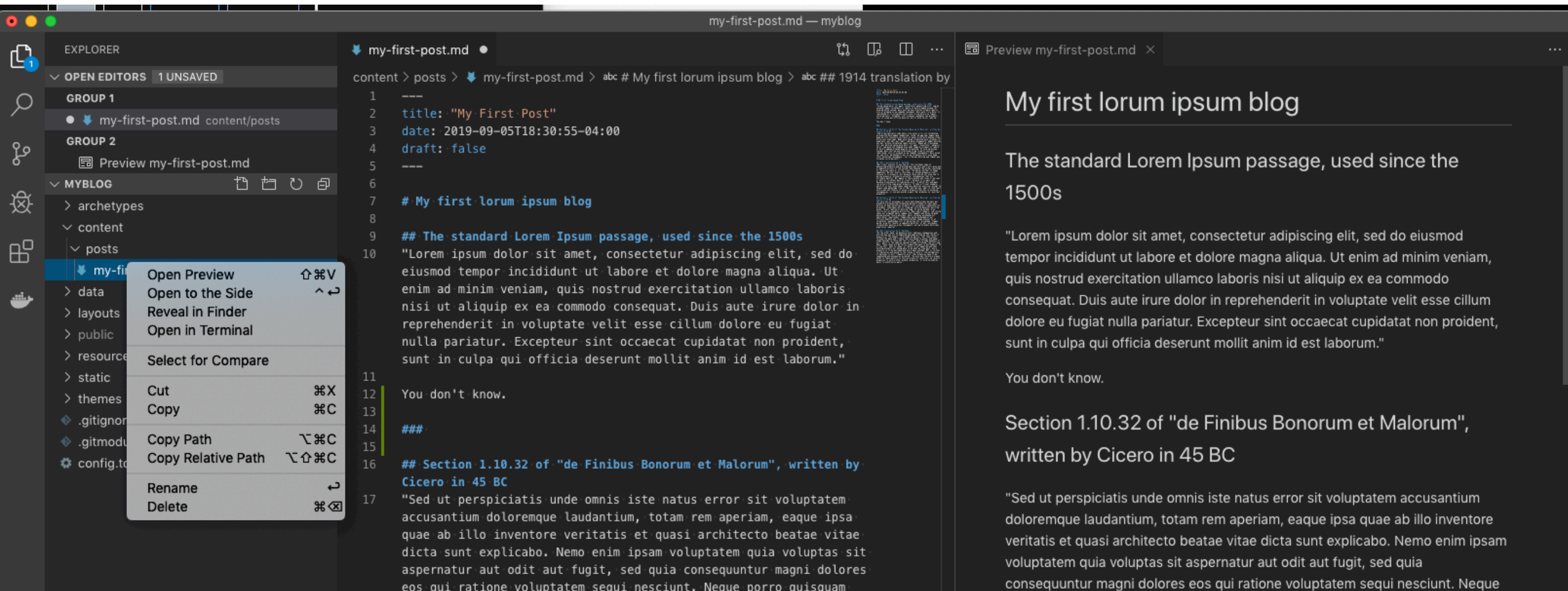
# Create a post:

```
hugo new posts/my-first-post.md
```

**Open VSCode, then open the folder where your blog was created**



# Preview Content:



# Markdown Basics

<https://daringfireball.net/projects/markdown/basics>

```
nt > posts > my-first-post.md > abc # Header 1 > abc ## Header 2 > abc ### Header 3 > abc # Header 4 > abc ## Header 5 > abc ### Header 6 > abc #### Header 7 > abc ##### Header 8 > abc
```

```
# Header 1
## Header 2
### Header 3
#### Header 4
##### Header 5

* List Item 1
* List item 2

This is an [example link](http://example.com/).

This is a paragraph. Lorem ipsum dolor sit amet, consectetur
adipiscing elit, sed do eiusmod tempor incididunt ut labore et
dolore magna aliqua. Ut enim ad minim veniam, quis nostrud
exercitation ullamco laboris nisi ut aliquip ex ea commodo
consequat. Duis aute irure dolor in reprehenderit in voluptate
velit esse cillum dolore eu fugiat nulla pariatur. Excepteur sint
occaecat cupidatat non proident, sunt in culpa qui officia
deserunt mollit anim id est laborum."
```

## Header 1

### Header 2

#### Header 3

##### Header 4

###### Header 5

- List Item 1
- List item 2

This is an [example link](#).

This is a paragraph. Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed do eiusmod tempor incididunt ut labore et dolore magna aliqua. Ut enim ad minim veniam, quis nostrud exercitation ullamco laboris nisi ut aliquip ex ea commodo consequat. Duis aute irure dolor in reprehenderit in voluptate velit esse cillum dolore eu fugiat nulla pariatur. Excepteur sint occaecat cupidatat non proident, sunt in culpa qui officia deserunt mollit anim id est laborum."



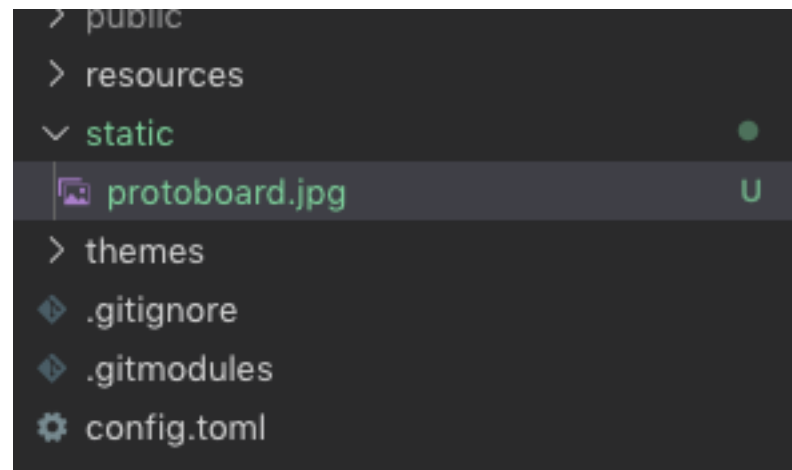
# Front Matter

<https://gohugo.io/content-management/front-matter/>

```
---  
title: "My First Post"  
date: 2019-09-05T18:30:55-04:00  
draft: true  
---
```

# Adding Static Content (Images)

**Static Content goes into folder “static”**



**And can be embedded with image markdown code:**

```
![_Image alt text](/static/image.png "Title Text")
```

# Shortcodes

```
{{< figure src="/media/spf13.jpg" title="Steve Francia" >}}
```

```
<!-- for https://www.instagram.com/p/BWNjjyYFxVx/ -->
```

```
{{< instagram BWNjjyYFxVx >}}
```

```
<!-- for https://twitter.com/spf13/status/877500564405444608 -->
```

```
{{< tweet 877500564405444608 >}}
```

```
<!-- for https://vimeo.com/channels/staffpicks/146022717 -->
```

```
{{< vimeo 146022717 >}}
```

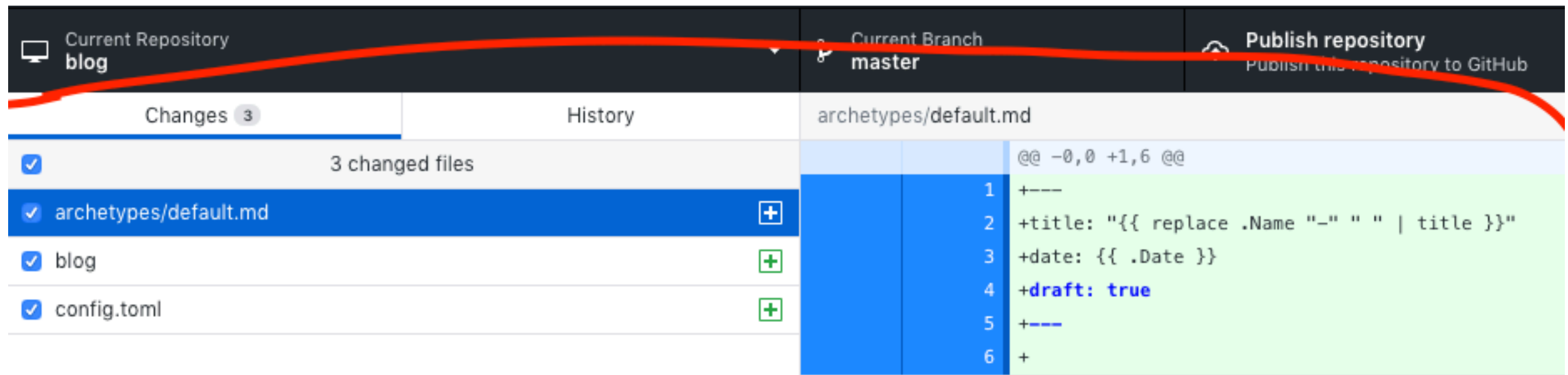
```
<!-- for https://www.youtube.com/watch?v=w7Ft2ymGmfc -->
```

```
{{< youtube w7Ft2ymGmfc >}}
```

# Deploying to the Web

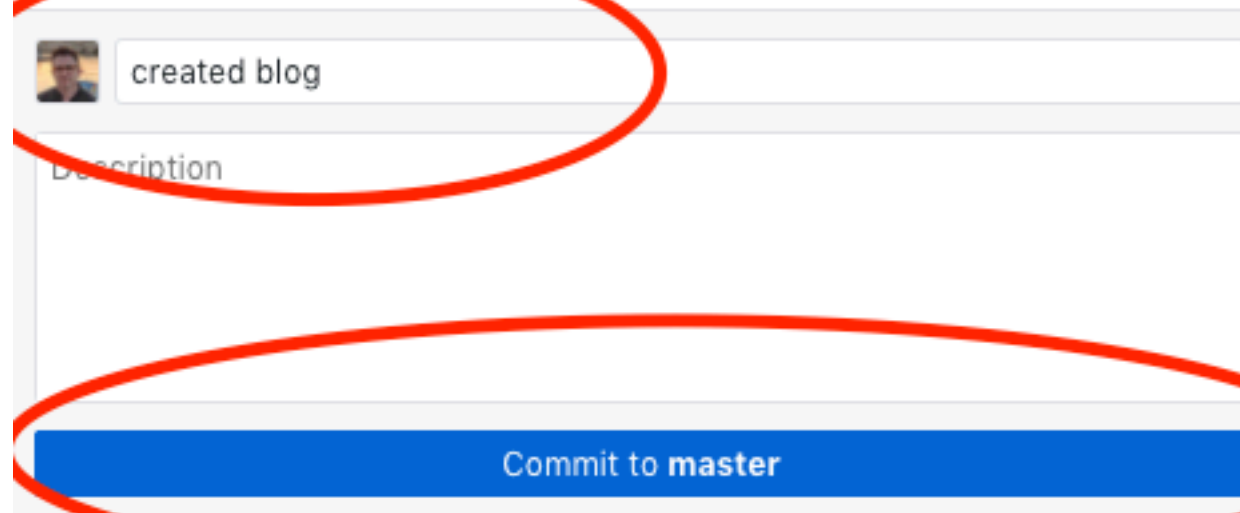
Your file system -> Git -> GitHub -> Netlify

# Commit the files to your local git repository



1. Review Changes

2. Add commit message, describing the changes



3. Commit (Save) the Changes to Git


# Push to Github

Current Repository

blog

Current Branch

master

 Publish repository

Publish this repository to GitHub

Changes 3


History

archetypes/default.md

3 changed files

@@ -0,0 +1,6 @@

# View on Github




Search or jump to...


Pull requests


Issues


Marketplace

Explore









Overview

Repositories 67

Projects 1

Stars 57

Followers 102

Following 38

Find a repository...

Type: All

Language: All

New


hugo-blog-demo

Updated 3 hours ago

tfjs-models

Forked from tensorflow/tfjs-models

TypeScript 984 Apache License 2.0 Updated 10 days ago

 Set status

Dan Oved

oveddan

# Deploy it to the Web!

**Sign up for:**





Dan Oved's team ▾



Sites

Domains

Members

Audit log

Team settings

🔍 Search site

New site from Git

## Create a new site

From zero to hero, three easy steps to get your site on Netlify.

1. Connect to Git provider

2. Pick a repository

3. Build options, and deploy!

## Continuous Deployment

Choose the Git provider where your site's source code is hosted. When you push to Git, we run your build tool of choice on our servers and deploy the result.

 GitHub

 GitLab

 Bitbucket



Git, we run your build tool of choice on our servers and deploy the result.

 oveddan ▾

🔍 blog

 oveddan/blog



 oveddan/hugo-blog-demo



# Create a new site

From zero to hero, three easy steps to get your site on Netlify.

1. Connect to Git provider

2. Pick a repository

3. Build options, and deploy!

## Deploy settings for oveddan/hugo-blog-demo

Get more control over how Netlify builds and deploys your site with these settings.

Owner

Dan Oved's team



Branch to deploy

master



### Basic build settings

If you're using a static site generator or build tool, we'll need these settings to build your site. [Learn more in the docs](#) ↗

Build command

hugo



Publish directory

public



Show advanced

Deploy site

# Visit your Site!

dazzling-hopper-391e9e

- <https://dazzling-hopper-391e9e.netlify.com>

Deploys from GitHub. Last published at 3:43 PM.

⚙ Site settings

⚙ Domain settings



Build command

hugo



Publish directory

public



# What do these mean?

**Run this in your terminal:**

```
hugo
```

Output will be in `./public/` directory by default (`-d/--destination` flag to change it, or set `publishdir` in the config file).

EXPLORER

> OPEN EDITORS

MYBLOG

- > archetypes
- content
  - posts
    - my-first-post.md
- data
- layouts
- public
  - categories
  - css
  - js
  - tags
  - index.html
  - index.xml
  - sitemap.xml
- resources
- static
- themes
- .gitignore
- .gitmodules
- config.toml

my-first-post.md .gitignore

index.html

public > index.html > ...

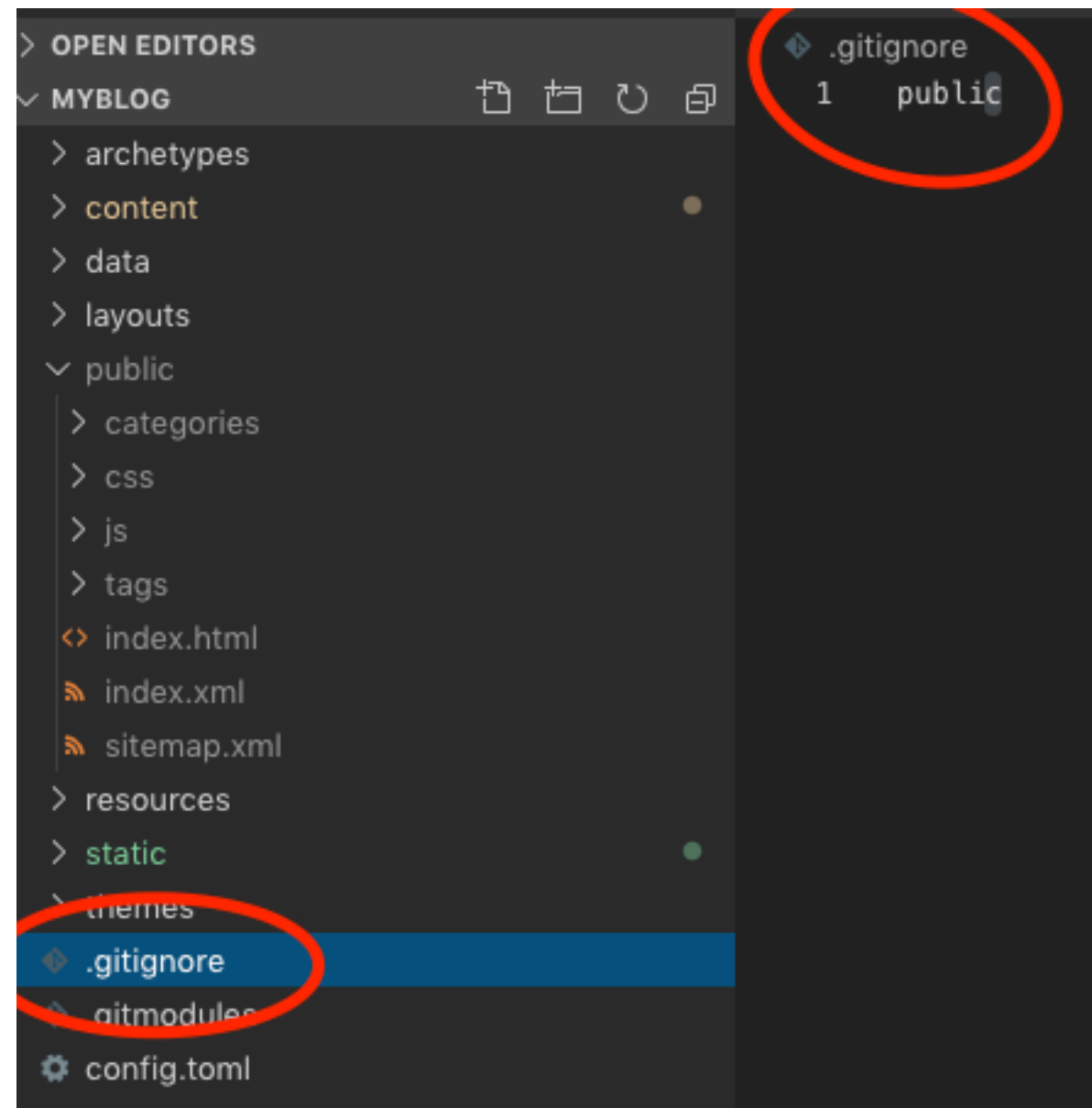
```
1 <!DOCTYPE html>
2 <html>
3 <head>
4   <meta name="generator" content="Hugo 0.58.0" />
5   <meta charset="utf-8" />
6   <meta http-equiv="X-UA-Compatible" content="IE=edge"><title>My New Hugo
7   <link rel="alternate" type="application/rss+xml" href="http://example.or
8   <meta property="og:title" content="My New Hugo Site" />
9   <meta property="og:description" content="" />
10  <meta property="og:type" content="website" />
11  <meta property="og:url" content="http://example.org/" />
12
13  <meta name="twitter:card" content="summary" />
14  <meta name="twitter:title" content="My New Hugo Site" />
15  <meta name="twitter:description" content="" />
16  <link href="https://fonts.googleapis.com/css?family=Ubuntu:300,400,300ital
17
18  <link rel="stylesheet" type="text/css" media="screen" href="/css/normali
19  <link rel="stylesheet" type="text/css" media="screen" href="/css/main.cs
20 </head>
21
22 <body>
23   <div class="container wrapper">
24     <div class="header">
25       <h1 class="site-title">My New Hugo Site</h1>
26       <div class="site-description"><nav class="nav social">
27         <ul class="flat"></ul>
28       </nav>
29     </div>
30
31     <nav class="nav">
32       <ul class="flat">
33       </ul>
34     </nav>
35   </div>
36
37
38
39   <div class="recent-posts section">
40     <h2 class="section-header">
41       Recent posts
42     </h2>
43     <div class="posts"><div class="post">
```

*public* folder does not need to be pushed to Github, because Netlify runs the command *hugo* which generates the public folder and static site, on their servers

Create a file called *.gitignore* and add *public* to it:

This can also be done with:

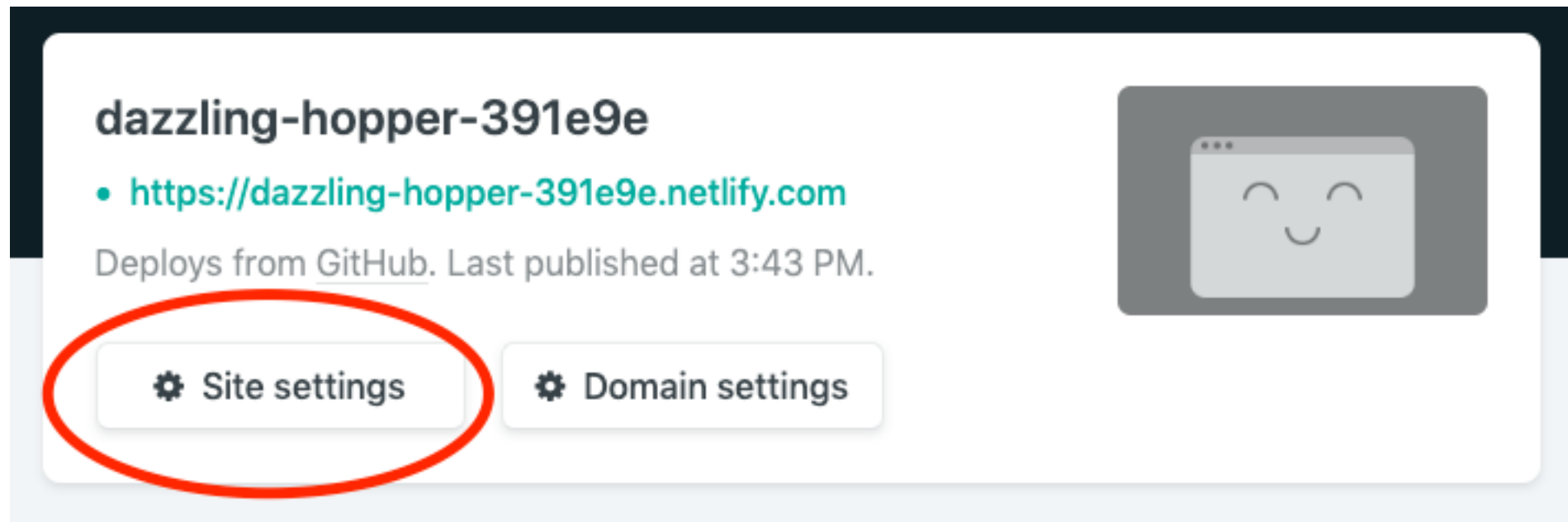
```
echo public >> .gitignore
```



# Now try creating and pushing new content!

1. Edit your existing post, or create a new one
2. Commit it to git
3. Push it to GitHub
4. Watch the deploy in netlify
5. Open the site

# Change the Site Name



## Site information

Site name:	dazzling-hopper-391e9e
Owner:	Dan Oved's team
API ID:	8d2566c9-f044-46ef-958e-4220c23f1f16
Created:	Today at 3:42 PM
Last update:	Today at 3:43 PM

Change site name

Transfer site ▼



# Transferring your Domain Easiest Way is to Use Netlify's DNS

## On your DNS:

Change myawesomesite.com's whois  
nameservers

Nameserver 1: dns1.p07.nsone.net

Nameserver 2: dns2.p07.nsone.net

Nameserver 3: dns3.p07.nsone.net

(optional)

Nameserver 4: dns4.p07.nsone.net

(optional)

Set these nameservers for myawesomesite.com!

## On Netlify:

The screenshot shows the Netlify dashboard for a site named 'dazzling-hopper-391e9e'. The site's URL is 'https://dazzling-hopper-391e9e.netlify.com'. It shows the site was deployed from GitHub and last published at 3:43 PM. There are two buttons: 'Site settings' and 'Domain settings', with the latter circled in red. Below this is the 'Custom domains' section, which explains that by default, the site is accessible via a Netlify subdomain. It lists the current default subdomain as 'dazzling-hopper-391e9e.netlify.com'. A link to 'Learn more about custom domains in the docs' is provided, and a red circle highlights the 'Add custom domain' button at the bottom.

dazzling-hopper-391e9e

- <https://dazzling-hopper-391e9e.netlify.com>

Deploys from [GitHub](#). Last published at 3:43 PM.

⚙ Site settings ⚙ **Domain settings**

### Custom domains

By default, your site is always accessible via a Netlify subdomain. Custom domains allow you to access your site via a custom domain.

- [dazzling-hopper-391e9e.netlify.com](https://dazzling-hopper-391e9e.netlify.com)  
Default subdomain

[Learn more about custom domains in the docs](#) ➔

**Add custom domain**

**Setup Free HTTPS!**

# Future Workshops:

- Customize your Theme, and make it accessible.
- Site hierarchy with tags/categories for ITP classes.
- Adding metadata for the content to properly show up when sharing on social media.
- Having sub urls on the same domain (i.e. /blog) go to different Netlify/Hugo sites.
- Image resizing and custom shortcodes.