Creating a Blog with Hexo, Docker and Github, Free Hosting and https

M medium.com/@spurin/creating-a-blog-with-hexo-docker-and-github-free-hosting-and-https-4b8c2142e2df

This is a tutorial on creating a blog or website using hexo.io (a static site generator), Docker and Github with your own custom domain and https, for the cost of your domain name only and a little bit of time.

Introduction

I wanted a convenient way of running sites, i.e. blogs and supporting sites for my projects, without a hosting service or server infrastructure like Wordpress, I also, wanted to keep this as cost effective as possible with free being an ideal.

After comparing a multitude of offerings, I settled on the excellent hexo.io platform, 'A fast, simple & powerful blog framework'. The great thing about hexo, is that your blog/site is generated as a collection of static files. You don't need anything other than a decent web server to host your page and given that it's a static site, it reduces security concerns significantly in comparison to other popular blogging platforms.

With the use of hexo, you've also got a means that you can work on your blog locally, without internet connectivity. If you're like me and commute a lot, especially where there is intermittent wifi connectivity (London Underground), then this is particularly useful.

The platform is built with node.js and subsequently, there are for it's configuration, a variety of modules that need to be installed through npm. Whilst this is not that difficult in itself, it is a process that can result in a lot of installation residual on ones system. For this reason, we're going to be using Docker to encapsulate the main blogging component that will run our system, keeping our own system shipshape and shiny.

Github, offers a great solution for hosting sites with it's pages.github.io service, all you need to have is a github account to make use of this. You can even, configure the service to leverage your own domain name, with Github taking care of aspects like https for you for free.

Prerequisites

You will need to have the following -

- Docker installation. Docker is available for Mac/Windows/Linux and is easily installed
- Domain Name (optional). I will be using a domain name for my configuration. If you wish to follow along fully, you'll need a domain name but, you can just as easily stick with the free subdomain provided by Github pages, i.e. name.github.io, and skip the domain name related aspects in this tutorial. If you don't have a domain name but wish to purchase one, name.com is an excellent provider and fits in well with this tutorial
- Github account, sign up for free on github.com

Overview

In the subsequent sections, we will be covering the complete setup of https://masteringansible.com, a domain I will be using to support my online course on Mastering Ansible

Docker Pull the spurin/hexo Image

On Docker Hub there is a pre-made image made by myself, containing the steps to install both Hexo and Hexo-Admin. More details about the image can be reviewed <u>here</u>. With docker installed, from a command prompt/terminal, issue the following command to pull the latest version of the image -

\$ docker pull spurin/hexo Using default tag: latest latest: Pulling from spurin/hexo f7e2b70d04ae: Pull complete 19dd238db899: Pull complete bc906578463d: Pull complete 2cdb432dfa21: Pull complete 355d69d6aa35: Pull complete eb0f2b72fc92: Pull complete

 $\label{logest:ba256:e0c1b7a95b6a6e339aff65cde86bddeced95a94eedc42b0db794a5108691f36e} Digest: sha256:e0c1b7a95b6a6e339aff65cde86bddeced95a94eedc42b0db794a5108691f36e$

Status: Downloaded newer image for spurin/hexo:latest

Create a container for your site

As we may have multiple sites, I like to give the running container a name that references the site that it relates too, so that I can easily see the container I wish to interact with.

I also like to store the Docker volume that will relate to this, on Dropbox, so that I have a backup of my running configuration as most of my efforts in this space are performed on my personal laptop.

The following example, assumes a domain name of masteringansible.com, with the local hexo server, running on port 4000. The -v '/Users/james/Dropbox/James/Application\ Folders/docker/volumes/masteringansible.com' is the path to where I will store the running configuration for the container.

This command, creates a container for us using the spurin/hexo image as a base -

```
$ docker create — name=hexo-masteringansible.com \
-e HEXO_SERVER_PORT=4000 \
-v /Users/james/Dropbox/James/Application\ Folders/docker/volumes/masteringansible.com:/app \
-p 4000:4000 \
spurin/hexo
```

We can start the container and follow the logs, when this runs for the first time, if a site does not exist in the target folder, one will be created, and subsequently, hexo-admin will be installed inside the site -

\$ docker start hexo-masteringansible.com && docker logs — follow hexo-masteringansible.com hexo-masteringansible.com ***** App directory is empty, initialising with hexo and hexo-admin ***** INFO Cloning hexo-starter to /app Cloning into '/app'... Submodule 'themes/landscape' (https://github.com/hexojs/hexo-theme-landscape.git) registered for path 'themes/landscape' Cloning into '/app/themes/landscape'... Submodule path 'themes/landscape': checked out '73a23c51f8487cfcd7c6deec96ccc7543960d350' INFO Install dependencies yarn install v1.13.0 info No lockfile found. [1/4] Resolving packages... warning hexo > titlecase@1.1.2: no longer maintained [2/4] Fetching packages... info fsevents@1.2.7: The platform "linux" is incompatible with this module. info "fsevents@1.2.7" is an optional dependency and failed compatibility check. Excluding it from installation. [3/4] Linking dependencies... [4/4] Building fresh packages... success Saved lockfile. Done in 68.26s. INFO Start blogging with Hexo! npm WARN deprecated titlecase@1.1.2: no longer maintained npm notice created a lockfile as package-lock.json. You should commit this file. npm WARN optional SKIPPING OPTIONAL DEPENDENCY: fsevents@1.2.7 (node_modules/fsevents): npm WARN notsup SKIPPING OPTIONAL DEPENDENCY: Unsupported platform for fsevents@1.2.7: wanted {"os":"darwin","arch":"any"} (current: {"os":"linux","arch":"x64"}) added 102 packages from 37 contributors, removed 40 packages, updated 319 packages and audited 4697 packages in 102.421s found 2 low severity vulnerabilities run `npm audit fix` to fix them, or `npm audit` for details npm WARN deprecated minimatch@2.0.10: Please update to minimatch 3.0.2 or higher to avoid a RegExp DoS issue npm WARN deprecated connect@2.7.11: connect 2.x series is deprecated npm WARN deprecated hoek@2.16.3: This version is no longer maintained. Please upgrade to the latest version. npm WARN deprecated cryptiles@2.0.5: This version is no longer maintained. Please upgrade to the latest version. npm WARN deprecated boom@2.10.1: This version is no longer maintained. Please upgrade to the latest version. npm WARN acorn-dynamic-import@4.0.0 requires a peer of acorn@6.0.0 but none is installed. You must install peer dependencies yourself. npm WARN optional SKIPPING OPTIONAL DEPENDENCY: fsevents@1.2.7 (node modules/fsevents):

+ hexo-admin@2.3.0

{"os":"linux","arch":"x64"})

added 252 packages from 440 contributors and audited 6822 packages in 67.502s

found 18 vulnerabilities (6 low, 6 moderate, 5 high, 1 critical)

run `npm audit fix` to fix them, or `npm audit` for details

***** Starting Server on port 4000

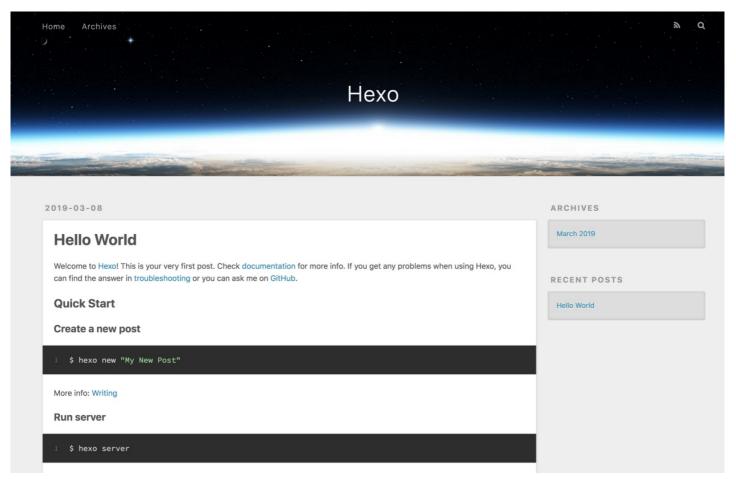
INFO Start processing

INFO Hexo is running at $\underline{\text{http://localhost:4000}}$. Press Ctrl+C to stop.

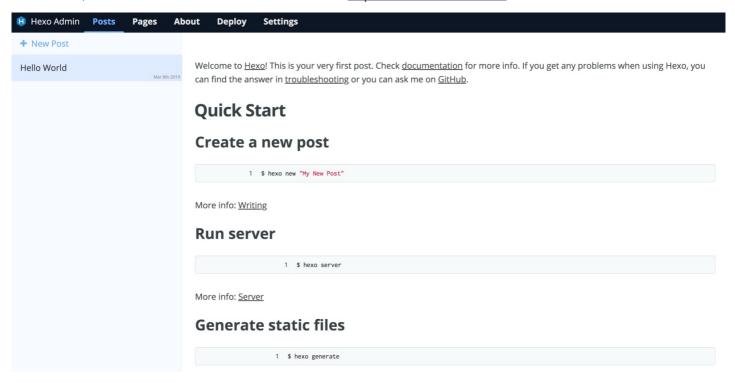
We can press Ctrl+C at this point without concern as we're following the logs, the container is running in the background and thus our Ctrl+C stops the following of the logs, not the actual container.

npm WARN notsup SKIPPING OPTIONAL DEPENDENCY: Unsupported platform for fsevents@1.2.7: wanted {"os":"darwin","arch":"any"} (current:

I'm performing this on my laptop so Docker is localhost, adjust the name/ip address accordingly if you're running Docker elsewhere. If you browse to http://localhost:4000, you'll be presented with a hexo starting page as follows -



You can also, access the admin interface for hexo-admin at http://localhost:4000/admin -



Customising the Theme

This theme may suit your needs but personally, I am a big fan of the <u>Hueman theme</u>. The next steps cover the installation of this particular theme.

Each theme will have their own requirements but this give an overall idea of the process.

Execute a bash shell in the running container, giving you a prompt similar to the following -

\$ docker exec -it hexo-masteringansible.com bash root@4e42b5c764b9:/app#

We will clone the theme from it's source github repository, and whilst we're in the shell, we're going to rename the default configuration file to the expected name -

root@4e42b5c764b9:/app# git clone https://github.com/ppoffice/hexo-theme-hueman.git themes/hueman

Cloning into 'themes/hueman'...

remote: Enumerating objects: 1831, done.

remote: Total 1831 (delta 0), reused 0 (delta 0), pack-reused 1831 Receiving objects: 100% (1831/1831), 5.55 MiB | 1.51 MiB/s, done.

Resolving deltas: 100% (935/935), done.

root@4e42b5c764b9:/app#

 $root@4e42b5c764b9:/app\#\ mv\ themes/hueman/_config.yml.example\ themes/hueman/_confi$

The next change, is to our blog configuration file which is now accessible via two ways

- 1. In the container under /app/_config.yml
- 2. Outside of the container in the local directory, in my case this would be /Users/james/Dropbox/James/Application\ Folders/docker/volumes/masteringansible.com/_config.yml

Remember, when we created the container, we specified the volume location so these files are accessible both inside the container (via an interactive shell) and outside of the container (via your filesystem). If you wish to make changes inside the container using an editor like vim, you will need to install an editor as the container is built from a lightweight image that has no default editors.

Change the following context to use hueman as the theme -

Extensions

Plugins: https://hexo.io/plugins/
Themes: https://hexo.io/themes/

theme: hueman

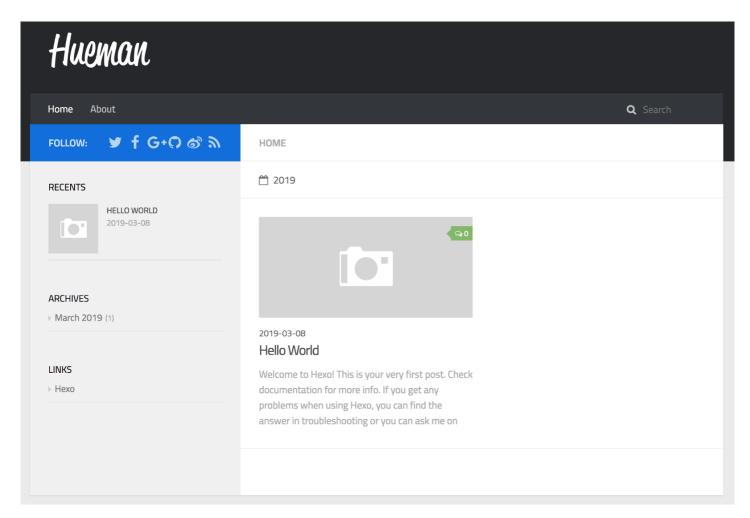
It is also worth setting the language to en, if you're using English, I noticed that without this, my configuration defaulted to Dutch -

Site title: Hexo subtitle: description: keywords: author: John Doe language: en timezone:

After making these change, restart the Docker container -

\$ docker restart hexo-masteringansible.com hexo-masteringansible.com

Accessing http://localhost:4000, should now give you the site, with the hueman plugin enabled -



Personalising the Page

Where desired you can personalise the page. Pages/Posts can be added using the Admin interface and changes can be made to both _config.yml and themes/hueman/_config.yml for Hexo and the Hueman theme respectively.

We're not going to cover this aspect in detail but should you wish to do so before continuing, now is a good time to try out the platform.

For my own site, masteringansible.com, I performed the following changes as a starter guide.

Updated _config.yml with the following -

Site

title: MasteringAnsible.com

subtitle

description: Official website for the Mastering Ansible online course

keywords: Mastering Ansible author: James Spurin

language: en timezone:

Changed the logo in themes/hueman/source/css/images and updated themes/hueman/_config.yml to reflect my social media settings and the new logo size -

Customize: customize: logo: width: 340 height: 154

url: images/logo-header.png theme_color: '#006bde' highlight: androidstudio

sidebar: left # sidebar position, options: left, right

thumbnail: true # enable posts thumbnail, options: true, false

favicon: # path to favicon

social_links: # for more icons, please see http://fontawesome.io/icons/#brand

linkedin: facebook:

github: https://github.com/spurin twitter: https://twitter.com/jamesspurin medium: https://medium.com/@spurin

If you review further in the themes/hueman/_config.yml file, there is an entry that relates to insight search. I personally like this feature and it's installation is pretty straight forward, the configuration makes reference to the following -

Search

search:

insight: true # you need to install `hexo-generator-json-content` before using Insight Search

swiftype: # enter swiftype install key here

baidu: false # you need to disable other search engines to use Baidu search, options: true, false

Create a shell within the container, and execute this npm command -

\$ docker exec -it hexo-masteringansible.com bash

root@4e42b5c764b9:/app# npm install hexo-generator-json-content — save

npm WARN acorn-dynamic-import@4.0.0 requires a peer of acorn@6.0.0 but none is installed. You must install peer dependencies yourself.

 $npm\ WARN\ optional\ SKIPPING\ OPTIONAL\ DEPENDENCY: fsevents @ 1.2.7\ (node_modules/fsevents):$

npm WARN notsup SKIPPING OPTIONAL DEPENDENCY: Unsupported platform for fsevents@1.2.7: wanted {"os":"darwin","arch":"any"} (current: {"os":"linux","arch":"x64"})

+ hexo-generator-json-content@4.1.3

added 6 packages from 23 contributors and audited 6842 packages in 44.061s

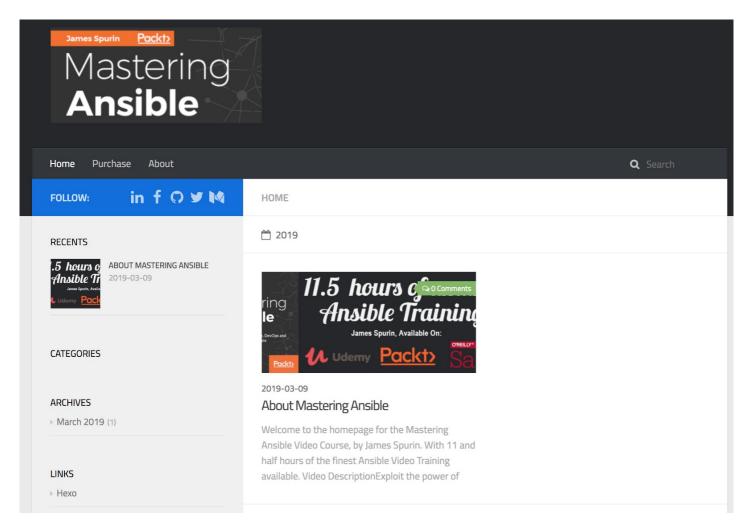
found 19 vulnerabilities (6 low, 7 moderate, 5 high, 1 critical)

run `npm audit fix` to fix them, or `npm audit` for details

root@4e42b5c764b9:/app# exit

Using the admin page, I created initial posts, an about post and a purchase page.

The page, for me, now looks like the following -



Creating an SSH Deploy Key

We're going to use SSH keys to deploy our site to Github, let's create the keys, in these examples, I'm not using a passphrase. If you're familiar with SSH and wish to use a passphrase you'll need to edit the steps accordingly.

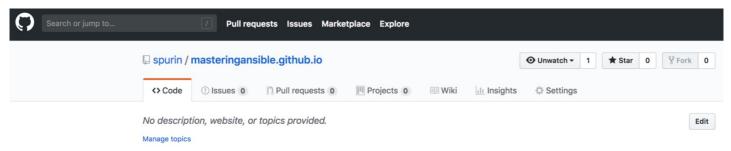
\$ docker exec hexo-masteringansible.com ssh-keygen -t rsa -f /root/.ssh/id_rsa -q -P ""

Capture your public key, I've intentionally changed content here for security purposes -

\$ docker exec hexo-masteringansible.com cat /root/.ssh/id_rsa.pub ssh-rsa

On Github, create a repository called something github.io

In my case, I created masteringansible.github.io -



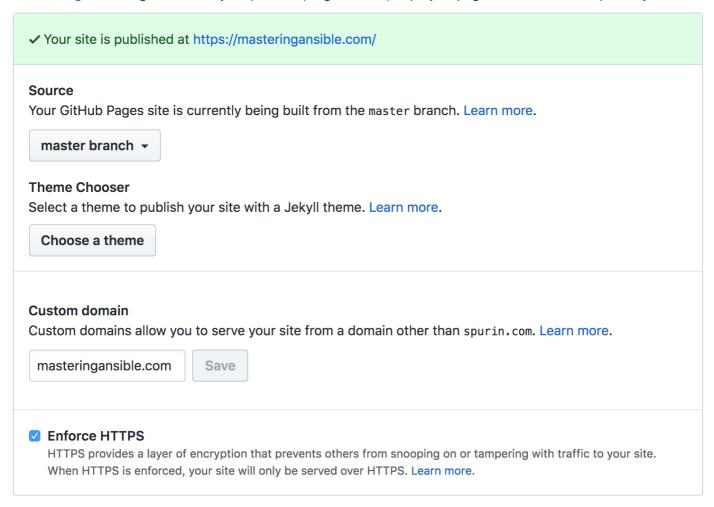
Using the Github GUI, I created a simple index.html with the word 'test' in it. This will easily allow you to verify that the site is working in its current form, i.e. https://masteringansible.github.io

Configuring a domain name using Github

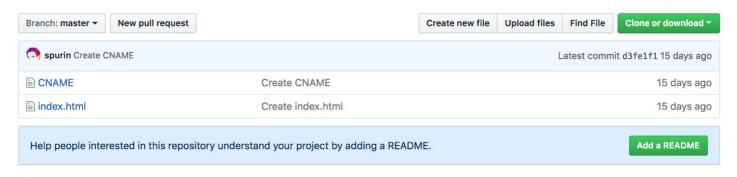
If you wish to host your site with a custom domain, in the project settings in the github repository, you can enable as follows -

GitHub Pages

GitHub Pages is designed to host your personal, organization, or project pages from a GitHub repository.



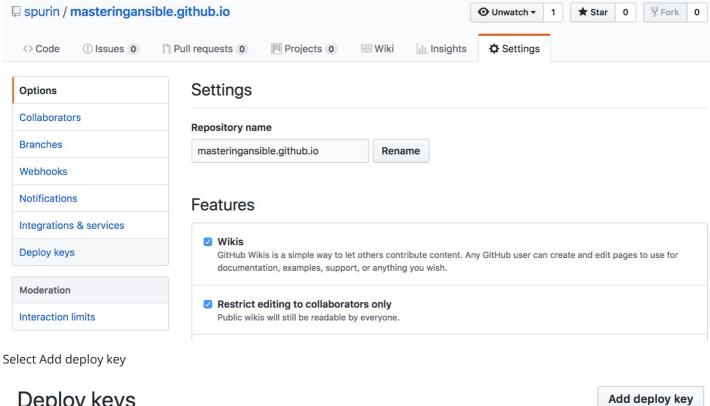
After doing this, you're repository will consist of 2 files, the index.html previously created and a file called CNAME, this file is important and we need to factor this into our hexo configuration later. For now, the repository will look like the following -



Adding the Deployment Keys to Github

Whilst in the repository, we can add the deployment keys that we created -

In Settings, choose Deploy Keys -



Deploy keys

There are no deploy keys for this repository

Check out our guide on deploy keys to learn more.

And paste the key we created earlier

Deploy keys / Add new

Title

masteringansible.com

Key

ssh-rsa

Allow write access

Can this key be used to push to this repository? Deploy keys always have pull access.

Add key

If successful, you should see something similar to this -

Deploy keys

Add deploy key

Delete



SSH

masteringansible.com

Fingerprint: 07:a3:0f:04:1e:85:a3:21:4b:4e:6b:e0:b1:97:86:8d

Added on 9 Mar 2019 by @spurin

Never used — Read/write

Configuring the Domain ANAME

Most modern domain name sites provide the convenience of an ANAME in the DNS configurator.

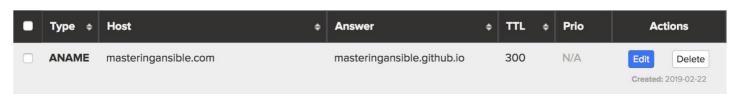
Should you wish to know more about ANAME's, see Andre Wallen's blog entry

I'm using name.com for my domain and the entry is as follows.

Edit DNS Records: masteringansible.com

Show DNS Templates

Delete Selected Records



Wait for DNS Propagation

DNS can take time to update, when it's ready, you should be able to see the following using the dig command in Linux/Mac environments -

\$ dig masteringansible.com

- ; <<>> DiG 9.9.7-P3 <<>> masteringansible.com
- ;; global options: +cmd
- ;; Got answer:
- ;; ->>HEADER<<- opcode: QUERY, status: NOERROR, id: 42137
- ;; flags: gr rd ra; QUERY: 1, ANSWER: 4, AUTHORITY: 0, ADDITIONAL: 1
- ;; OPT PSEUDOSECTION:
- ; EDNS: version: 0, flags:; udp: 512
- ;; QUESTION SECTION:
- ;masteringansible.com. IN A
- ;; ANSWER SECTION:

masteringansible.com. 300 IN A 185.199.109.153 masteringansible.com. 300 IN A 185.199.111.153 masteringansible.com. 300 IN A 185.199.108.153 masteringansible.com. 300 IN A 185.199.110.153

- ;; Query time: 19 msec
- ;; SERVER: 194.168.4.100#53(194.168.4.100)
- ;; WHEN: Sat Mar 09 18:03:42 GMT 2019
- ;; MSG SIZE rcvd: 113

Or, if you're on a Windows host, the equivalent via the

AAAA

ANY

CAA

CNAME

Suite Toolbox Dig Name masteringansible.com

MX

NS

PTR

SOA

SRV

TXT



If you now browse to your domain with https://domain.com, you should be presented with the word 'test', n.b. it can take time for github to generate https certificates so if you encounter an issue here, check settings on your github repository.

Configure CNAME in Hexo and Deploy Settings

Earlier on, when we set a custom CNAME in Github, it created a file called CNAME in the repository, we need to ensure that this file is in our source on Hexo, otherwise, this will be removed during deployment, breaking the cname configuration for our site. Create an equivalent file in the source directory -

\$ docker exec -it hexo-masteringansible.com bash root@4e42b5c764b9:/app# echo masteringansible.com > source/CNAME exit

Edit _config.yml and update the deployment section with your own github settings -

```
deploy:
type: git
repo: git@github.com:spurin/masteringansible.github.io.git
branch: master
message: "Site updated: {{ now('YYYY-MM-DD HH:mm:ss') }}"
We need hexo-deployer-git installed, to use git to push our site to github, install as follows -
\$ docker exec hexo-masteringansible.com npm install hexo-deployer-git — save
npm WARN acorn-dynamic-import@4.0.0 requires a peer of acorn@6.0.0 but none is installed. You must install peer dependencies yourself.
npm WARN babel-eslint@10.0.1 requires a peer of eslint@>= 4.12.1 but none is installed. You must install peer dependencies yourself.
npm WARN optional SKIPPING OPTIONAL DEPENDENCY: fsevents@1.2.7 (node modules/fsevents):
npm WARN notsup SKIPPING OPTIONAL DEPENDENCY: Unsupported platform for fsevents@1.2.7: wanted {"os":"darwin","arch":"any"} (current:
{"os":"linux","arch":"x64"})
+ hexo-deployer-git@1.0.0
added 59 packages from 48 contributors and audited 9096 packages in 65.554s
found 19 vulnerabilities (6 low, 7 moderate, 5 high, 1 critical)
run `npm audit fix` to fix them, or `npm audit` for details
Configure your git username and git email address -
$ docker exec hexo-masteringansible.com git config — global user.email "james@spurin.com"
$ docker exec hexo-masteringansible.com git config — global user.name "James Spurin"
Generating content
In preparation for the launch of the site, we can request that Hexo generates the content for us
$ docker exec hexo-masteringansible.com hexo generate
INFO Start processing
INFO Files loaded in 1.87 s
INFO Generated: content.json
INFO Generated: index.html
INFO Generated: archives/index.html
INFO Generated: archives/2019/03/index.html
INFO Generated: archives/2019/index.html
INFO Generated: purchase/index.html
INFO Generated: categories/Purchase/index.html
INFO Generated: about/index.html
INFO Generated: 2019/03/09/Purchase/index.html
INFO Generated: 2019/03/09/About-Mastering-Ansible/index.html
INFO Generated: css/images/opacity-10.png
INFO Generated: css/images/logo-header.orig.png
INFO Generated: CNAME
INFO Generated: css/images/thumb-default-small.png
INFO Generated: css/images/thumb-default.png
INFO Generated: css/images/logo-header.png
INFO Generated: css/images/s-left.png
INFO Generated: libs/lightgallery/fonts/lg.eot
INFO Generated: libs/source-code-pro/fonts/mrl8jkM18OlOQN8JLgasD9V_2ngZ8dMf8fLgjYEouxg.woff2
INFO Generated: libs/lightgallery/css/lg-fb-comment-box.css.map
INFO Generated: libs/source-code-pro/fonts/mrl8jkM18OlOQN8JLgasDy2Q8seG17bfDXYR jUsrzg.woff2
INFO Generated: libs/lightgallery/fonts/lg.svg
INFO Generated: libs/lightgallery/fonts/lg.ttf
INFO Generated: libs/lightgallery/img/loading.gif
INFO Generated: libs/lightgallery/img/video-play.png
INFO Generated: libs/lightgallery/css/lightgallery.css.map
INFO Generated: libs/lightgallery/img/vimeo-play.png
INFO Generated: libs/lightgallery/fonts/lg.woff
INFO Generated: libs/lightgallery/css/lg-transitions.css.map
INFO Generated: libs/titillium-web/fonts/anMUvcNT0H1YN4FII8wpr SNRT0fZ5CX-AqRkMYgJJo.woff2
INFO Generated: libs/titillium-web/fonts/7XUFZ5tgS-tD6QamInJTcSo_WB_cotcEMUw1LsIE8mM.woff2
INFO Generated: libs/lightgallery/img/youtube-play.png
INFO Generated: libs/titillium-web/fonts/anMUvcNT0H1YN4FII8wpr46gJz9aNFrmnwBdd69aqzY.woff2
INFO Generated: libs/titillium-web/fonts/anMUvcNT0H1YN4FII8wpr9INifKjd1RJ3NxxEi9Cy2w.woff2
INFO Generated: libs/titillium-web/fonts/7XUFZ5tgS-tD6QamInJTcZSnX671uNZIV63UdXh3Mg0.woff2
INFO Generated: libs/titillium-web/fonts/anMUvcNT0H1YN4FII8wpr4-67659ICLY8bMrYhtePPA.woff2
INFO Generated: images/pasted-0.png
INFO Generated: js/main.js
```

Deployment

Docs: https://hexo.io/docs/deployment.html

INFO Generated: libs/justified-gallery/justifiedGallery.min.css

INFO Generated: libs/font-awesome/fonts/FontAwesome.otf INFO Generated: css/style.css INFO Generated: libs/titillium-web/styles.css INFO Generated: libs/font-awesome/fonts/fontawesome-webfont.woff2 INFO Generated: libs/font-awesome/fonts/fontawesome-webfont.woff INFO Generated: libs/lightgallery/css/lg-fb-comment-box.css INFO Generated: libs/lightgallery/js/lg-hash.min.js INFO Generated: libs/lightgallery/js/lg-autoplay.min.js INFO Generated: libs/lightgallery/css/lg-fb-comment-box.min.css INFO Generated: libs/lightgallery/js/lg-autoplay.js INFO Generated: libs/lightgallery/js/lg-fullscreen.min.js INFO Generated: libs/lightgallery/js/lg-pager.js INFO Generated: libs/lightgallery/js/lg-fullscreen.js INFO Generated: libs/lightgallery/js/lg-hash.js INFO Generated: libs/lightgallery/js/lg-share.min.js INFO Generated: libs/lightgallery/js/lg-share.js INFO Generated: libs/lightgallery/js/lg-pager.min.js INFO Generated: libs/lightgallery/js/lg-video.min.js INFO Generated: js/insight.js INFO Generated: libs/font-awesome/fonts/fontawesome-webfont.ttf INFO Generated: libs/lightgallery/js/lg-thumbnail.min.js INFO Generated: libs/justified-gallery/jquery.justifiedGallery.min.js INFO Generated: libs/lightgallery/js/lg-video.js INFO Generated: libs/lightgallery/js/lg-zoom.min.js INFO Generated: libs/lightgallery/js/lg-thumbnail.js INFO Generated: libs/lightgallery/js/lg-zoom.js INFO Generated: images/pasted-3.png INFO Generated: images/pasted-4.png INFO Generated: images/pasted-2.png INFO Generated: libs/lightgallery/css/lightgallery.min.css INFO Generated: libs/lightgallery/css/lightgallery.css INFO Generated: libs/lightgallery/js/lightgallery.min.js INFO Generated: libs/font-awesome/css/font-awesome.min.css INFO Generated: libs/font-awesome/css/font-awesome.css INFO Generated: libs/lightgallery/css/lg-transitions.min.css INFO Generated: libs/lightgallery/css/lg-transitions.css INFO Generated: libs/lightgallery/js/lightgallery.js INFO Generated: libs/font-awesome/fonts/fontawesome-webfont.svg INFO Generated: libs/jquery/3.3.1/jquery.min.js INFO Generated: images/pasted-1.png INFO 81 files generated in 3.13 s Finally, Deploy the site

INFO Generated: libs/source-code-pro/styles.css

INFO Generated: libs/font-awesome/fonts/fontawesome-webfont.eot

\$ docker exec -it hexo-masteringansible.com hexo deploy INFO Deploying: git INFO Clearing .deploy_git folder... INFO Copying files from public folder... INFO Copying files from extend dirs... [master (root-commit) 37b974f] Site updated: 2019-03-09 18:26:05 81 files changed, 15456 insertions(+) create mode 100644 2019/03/09/About-Mastering-Ansible/index.html create mode 100644 2019/03/09/Purchase/index.html create mode 100644 about/index.html create mode 100644 archives/2019/03/index.html create mode 100644 archives/2019/index.html create mode 100644 archives/index.html create mode 100644 categories/Purchase/index.html create mode 100644 content.json create mode 100644 css/images/logo-header.orig.png create mode 100644 css/images/logo-header.png create mode 100644 css/images/opacity-10.png create mode 100644 css/images/s-left.png create mode 100644 css/images/thumb-default-small.png create mode 100644 css/images/thumb-default.png create mode 100644 css/style.css create mode 100644 CNAME create mode 100644 images/pasted-0.png create mode 100644 images/pasted-1.png

create mode 100644 images/pasted-2.png

```
create mode 100644 images/pasted-3.png
create mode 100644 images/pasted-4.png
create mode 100644 index.html
create mode 100644 is/insight.is
create mode 100644 js/main.js
create mode 100644 libs/font-awesome/css/font-awesome.css
create mode 100644 libs/font-awesome/css/font-awesome.min.css
create mode 100644 libs/font-awesome/fonts/FontAwesome.otf
create mode 100644 libs/font-awesome/fonts/fontawesome-webfont.eot
create mode 100644 libs/font-awesome/fonts/fontawesome-webfont.svg
create mode 100644 libs/font-awesome/fonts/fontawesome-webfont.ttf
create mode 100644 libs/font-awesome/fonts/fontawesome-webfont.woff
create mode 100644 libs/font-awesome/fonts/fontawesome-webfont.woff2
create mode 100644 libs/jquery/3.3.1/jquery.min.js
create mode 100644 libs/justified-gallery/jquery.justifiedGallery.min.js
create mode 100644 libs/justified-gallery/justifiedGallery.min.css
create mode 100644 libs/lightgallery/css/lg-fb-comment-box.css
create mode 100644 libs/lightgallery/css/lg-fb-comment-box.css.map
create mode 100644 libs/lightgallery/css/lg-fb-comment-box.min.css
create mode 100644 libs/lightgallery/css/lg-transitions.css
create mode 100644 libs/lightgallery/css/lg-transitions.css.map
create mode 100644 libs/lightgallery/css/lg-transitions.min.css
create mode 100644 libs/lightgallery/css/lightgallery.css
create mode 100644 libs/lightgallery/css/lightgallery.css.map
create mode 100644 libs/lightgallery/css/lightgallery.min.css
create mode 100644 libs/lightgallery/fonts/lg.eot
create mode 100644 libs/lightgallery/fonts/lg.svg
create mode 100644 libs/lightgallery/fonts/lg.ttf
create mode 100644 libs/lightgallery/fonts/lg.woff
create mode 100644 libs/lightgallery/img/loading.gif
create mode 100644 libs/lightgallery/img/video-play.png
create mode 100644 libs/lightgallery/img/vimeo-play.png
create mode 100644 libs/lightgallery/img/youtube-play.png
create mode 100644 libs/lightgallery/js/lg-autoplay.js
create mode 100644 libs/lightgallery/js/lg-autoplay.min.js
create mode 100644 libs/lightgallery/js/lg-fullscreen.js
create mode 100644 libs/lightgallery/js/lg-fullscreen.min.js
create mode 100644 libs/lightgallery/js/lg-hash.js
create mode 100644 libs/lightgallery/js/lg-hash.min.js
create mode 100644 libs/lightgallery/js/lg-pager.js
create mode 100644 libs/lightgallery/js/lg-pager.min.js
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create mode 100644 libs/lightgallery/js/lightgallery.min.js
create mode 100644 libs/source-code-pro/fonts/mrl8jkM18OlOQN8|LgasD9V 2ngZ8dMf8fLgjYEouxg.woff2
create mode 100644 libs/source-code-pro/fonts/mrl8jkM18OlOQN8JLgasDy2Q8seG17bfDXYR_jUsrzg.woff2
create mode 100644 libs/source-code-pro/styles.css
create mode 100644 libs/titillium-web/fonts/7XUFZ5tgS-tD6QamInJTcSo_WB_cotcEMUw1LsIE8mM.woff2
create mode 100644 libs/titillium-web/fonts/7XUFZ5tgS-tD6QamInJTcZSnX671uNZIV63UdXh3Mg0.woff2
create mode 100644 libs/titillium-web/fonts/anMUvcNT0H1YN4FII8wpr4-67659ICLY8bMrYhtePPA.woff2
create\ mode\ 100644\ libs/titillium-web/fonts/anMUvcNT0H1YN4FII8wpr46gJz9aNFrmnwBdd69aqzY.woff2
create mode 100644 libs/titillium-web/fonts/anMUvcNT0H1YN4FII8wpr9INifKjd1RJ3NxxEi9Cy2w.woff2
create mode 100644 libs/titillium-web/fonts/anMUvcNT0H1YN4FII8wpr SNRT0fZ5CX-AqRkMYgJJo.woff2
create mode 100644 libs/titillium-web/styles.css
create mode 100644 purchase/index.html
The authenticity of host 'github.com (192.30.253.113)' can't be established.
RSA key fingerprint is SHA256:nThbg6kXUpJWGI7E1IGOCspRomTxdCARLviKw6E5SY8.
Are you sure you want to continue connecting (yes/no)? yes
Warning: Permanently added 'github.com,192.30.253.113' (RSA) to the list of known hosts.
Counting objects: 114, done.
Delta compression using up to 2 threads.
Compressing objects: 100% (103/103), done.
Writing objects: 100% (114/114), 2.00 MiB | 869.00 KiB/s, done.
Total 114 (delta 11), reused 0 (delta 0)
```

remote: Resolving deltas: 100% (11/11), done.
To github.com:spurin/masteringansible.github.io.git
+ d3fe1f1...37b974f HEAD -> master (forced update)

Branch master set up to track remote branch master from git@github.com:spurin/masteringansible.github.io.git.

INFO Deploy done: git

At this point, you should be able to successfully navigate to your site with https://domain.com and if so, give yourself a pat on the back :-)

Future Changes

From this point forward, you can quite simply use the local Hexo-Admin interface for updates, and when ready, push changes to your live site with a one liner as follows -

\$ docker exec hexo-masteringansible.com bash -c 'hexo generate && hexo deploy'

Tagging and saving your current image, and future images

All of the changes that you've made to the Docker image that involved command execution outside of /app, would have resulted in additional layers to that of the original spurin/hexo image that you downloaded.

Whilst our /app data is safe inside it's own volume, we may wish to save our post configuration changes of the image.

If we look at the running instances -

\$ docker ps -a
CONTAINER ID IMAGE COMMAND CREATED STATUS PORTS NAMES
4e42b5c764b9 spurin/hexo "/bin/sh -c 'if [\"\$..." 26 hours ago Up 2 hours 0.0.0.0:4000->4000/tcp hexo-masteringansible.com

My container has an id of 4e42b5c764b9, we'll export this container allowing us to reload it in the future, should we have a requirement -

\$ docker export 4e42b5c764b9 -o /Users/james/Dropbox/James/Application\
Folders/docker/image_backups/spurin_hexo_post_configuration_masteringansible.com.tar

This post, summarises different technologies with a desired outcome of a working site/blog. Hopefully by the end of it, you've got a working site and/or have learnt something new. Comments and feedback are very welcome. Thanks—James Spurin