

Personal Website Workshop

R Ladies DC - June 2017

Install Blogdown

```
install.packages('devtools')  
  
library(devtools)  
  
devtools::install_github('rstudio/blogdown')
```

Install Hugo

```
library(blogdown)
```

```
blogdown::install_hugo()
```

Build a New Site

```
blogdown::new_site()
```

Hugo Themes!

<https://themes.gohugo.io/>

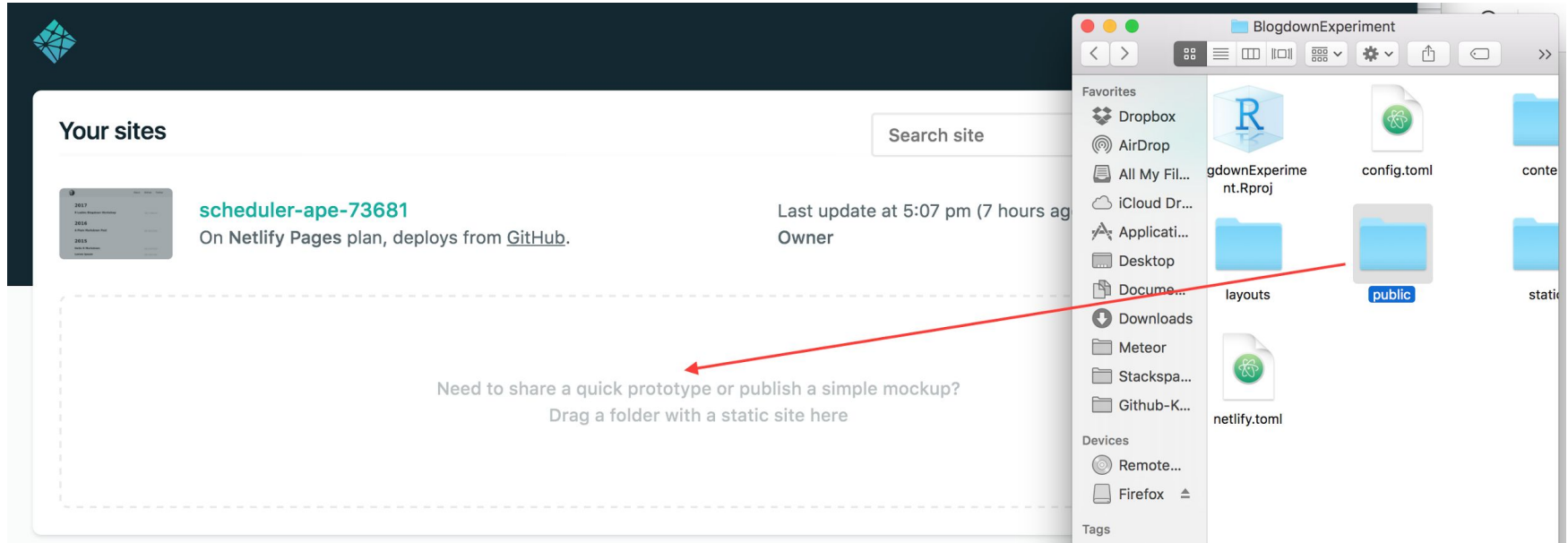
Markdown and R Markdown Resources

- Blogdown Book: [R Markdown vs. Markdown](#)
- R Studio: [R Markdown Cheat Sheet](#)
- Read the Docs: [Markdown Guide](#)

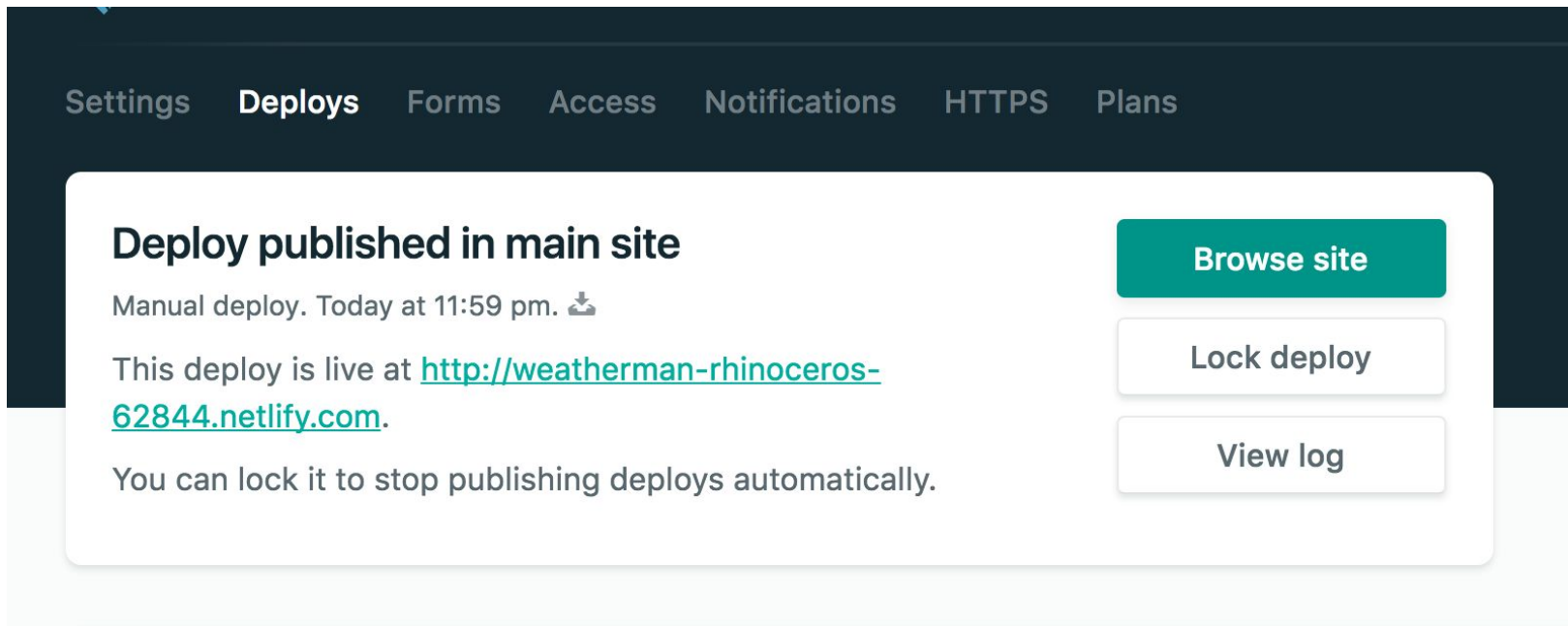
Publishing/Deployment Options

Manual Deployment | Netlify

Manual Deployment through Netlify



Manual Deployment through Netlify



The screenshot shows the Netlify dashboard with a dark blue header containing navigation links: Settings, Deploys, Forms, Access, Notifications, HTTPS, and Plans. The 'Deploys' link is highlighted. Below the header, a white card displays deployment information. On the left, the title 'Deploy published in main site' is followed by 'Manual deploy. Today at 11:59 pm.' and a download icon. Below this, it states 'This deploy is live at' followed by the URL 'http://weatherman-rhinoceros-62844.netlify.com'. At the bottom of the card, it says 'You can lock it to stop publishing deploys automatically.' On the right side of the card, there are three buttons: a teal 'Browse site' button at the top, a white 'Lock deploy' button in the middle, and a white 'View log' button at the bottom.

Settings Deploys Forms Access Notifications HTTPS Plans

Deploy published in main site

Manual deploy. Today at 11:59 pm. 📄

This deploy is live at <http://weatherman-rhinoceros-62844.netlify.com>.

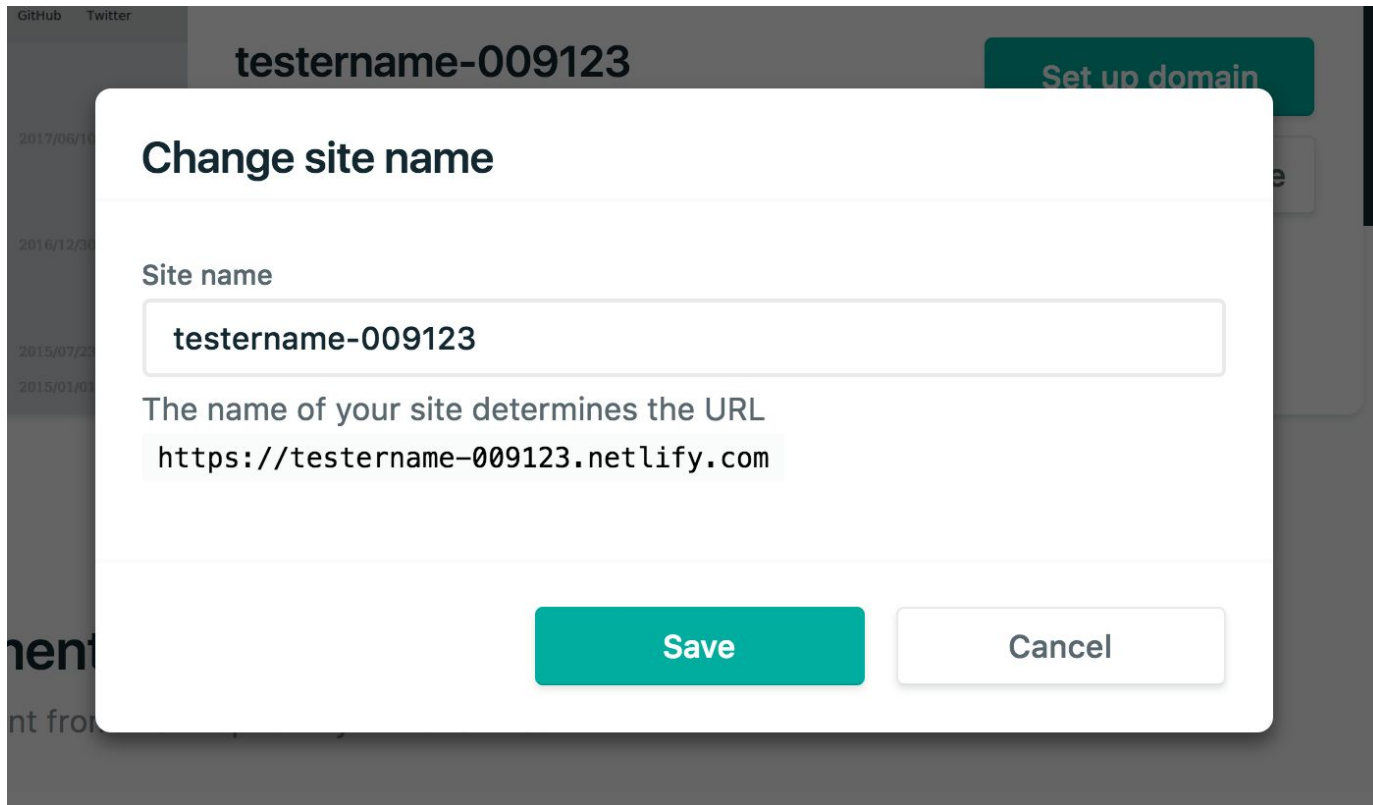
You can lock it to stop publishing deploys automatically.

Browse site

Lock deploy

View log

Manual Deployment through Netlify



Continuous Deployment | Netlify & Github

Continuous Deployment through Github & Netlify

Create a new repository

A repository contains all the files for your project, including the revision history.

Owner



Repository name

BlogdownSample



Great repository names are short and memorable. Need inspiration? How about **didactic-goggles**.

Description (optional)



Public

Anyone can see this repository. You choose who can commit.



Private

You choose who can see and commit to this repository.



Initialize this repository with a README

This will let you immediately clone the repository to your computer. Skip this step if you're importing an existing repository.

Add .gitignore: **None**

Add a license: **None**



Create repository

kellobri / BlogdownSample

Unwatch 1 Star 0 Fork 0

<> Code

Issues 0

Pull requests 0

Boards

Reports

Projects 0

Wiki

Insights

Quick setup — if you've done this kind of thing before

Set up in Desktop

 or

HTTPS

SSH

https://github.com/kellobri/BlogdownSample.git

We recommend every repository include a [README](#), [LICENSE](#), and [.gitignore](#).

...or create a new repository on the command line

```
echo "# BlogdownSample" >> README.md
git init
git add README.md
git commit -m "first commit"
git remote add origin https://github.com/kellobri/BlogdownSample.git
git push -u origin master
```

...or push an existing repository from the command line

```
git remote add origin https://github.com/kellobri/BlogdownSample.git
git push -u origin master
```

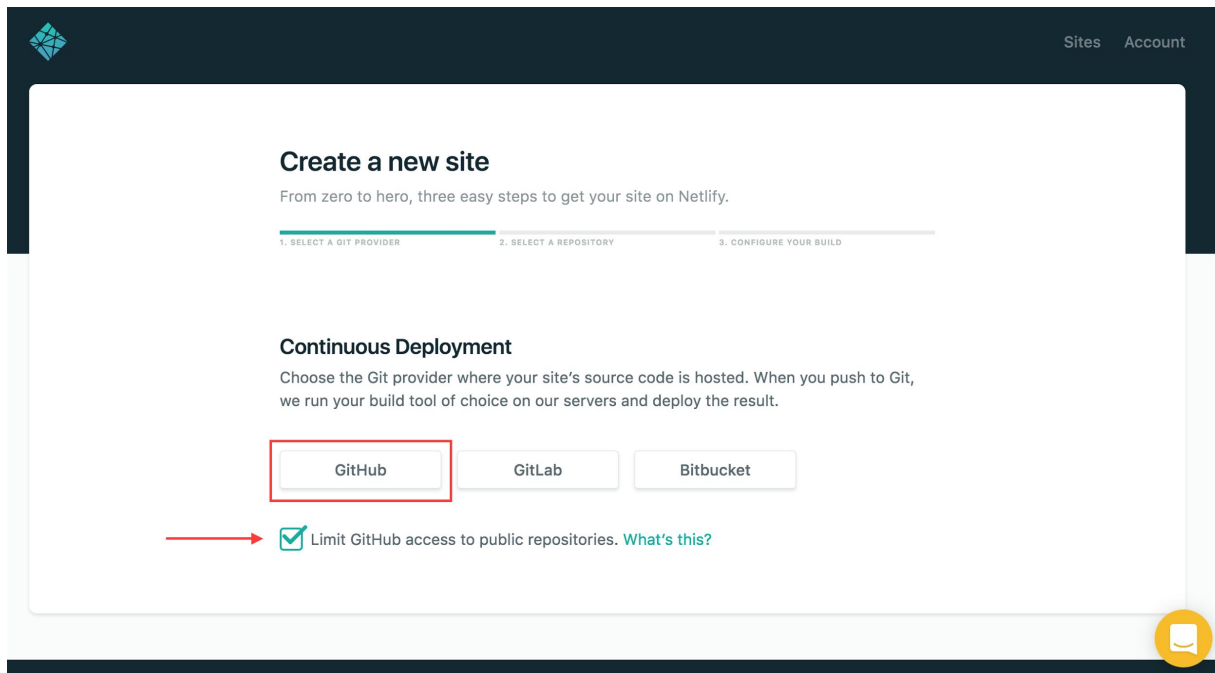
...or import code from another repository

You can initialize this repository with code from a Subversion, Mercurial, or TFS project.

Import code

Pause for command line / terminal set up!

Continuous Deployment through Github & Netlify



The screenshot shows the Netlify 'Create a new site' interface. At the top, there's a dark blue header with the Netlify logo and links for 'Sites' and 'Account'. Below the header, the main content area has a white background. The title 'Create a new site' is followed by the subtitle 'From zero to hero, three easy steps to get your site on Netlify.' A progress bar indicates three steps: '1. SELECT A GIT PROVIDER' (active), '2. SELECT A REPOSITORY', and '3. CONFIGURE YOUR BUILD'. Under the 'Continuous Deployment' section, there's a paragraph explaining the process. Below this, three buttons are shown: 'GitHub' (highlighted with a red border), 'GitLab', and 'Bitbucket'. At the bottom, a red arrow points to a checked checkbox labeled 'Limit GitHub access to public repositories. What's this?'. A yellow chat bubble icon is in the bottom right corner.

Create a new site

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

1. SELECT A GIT PROVIDER 2. SELECT A REPOSITORY 3. CONFIGURE YOUR BUILD

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.

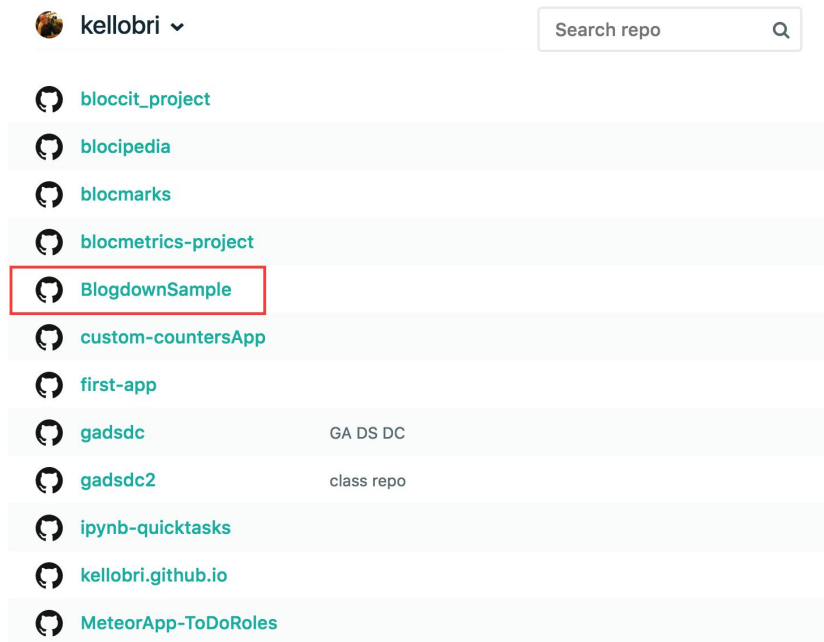
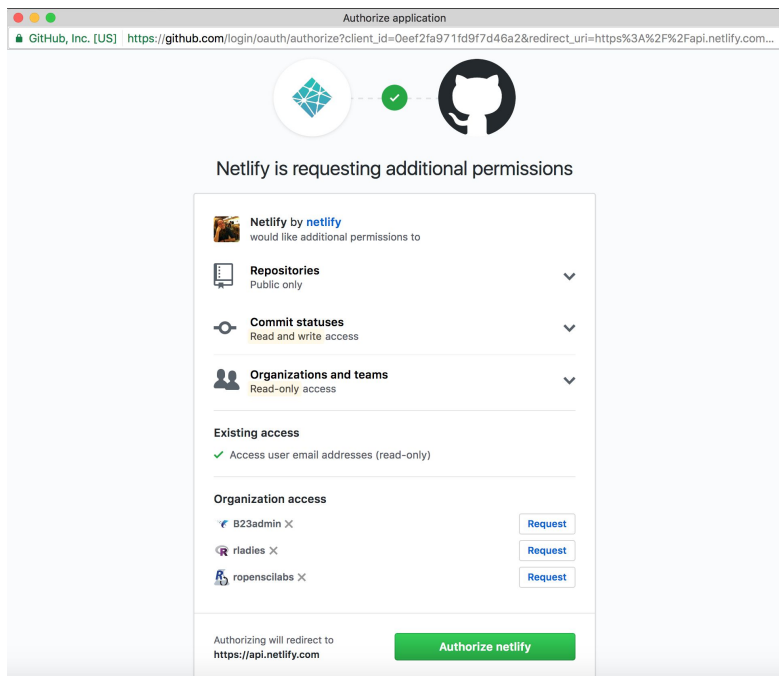
GitHub GitLab Bitbucket

→ ☒ Limit GitHub access to public repositories. [What's this?](#)

Continuous Deployment through Github & Netlify

Continuous Deployment: GitHub

Choose the repository you want to link to your site on Netlify. When you push to Git, we run your build tool of choice on our servers and deploy the result.



(Pause) Github Setup?

- Github Account
- Git Basics
- Basic Terminal (Command Line) Commands

Continuous Deployment through Github & Netlify

Common configuration directives

Here are some examples of configuring your site for common build tools:

BUILD TOOL	DIRECTORY	COMMAND
Jekyll	<code>_site</code>	<code>jekyll build</code>
Grunt	<code>dist</code>	<code>grunt build</code>
Middleman	<code>build</code>	<code>middleman build</code>
Roots	<code>public</code>	<code>roots compile</code>
Hugo	<code>public</code>	<code>hugo</code>

Deploy settings for kellobri/BlogdownPractice

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

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.

Build command

hugo server

Publish directory

public

Show advanced

Deploy site

Continuous Deployment through Github & Netlify

Errors!

```
12:04:39 AM: ERROR: 2017/06/11 04:04:39 template.go:132: template: theme/partials/head_highlightjs.html:1:54: executing
"theme/partials/head_highlightjs.html" at <.Content>: can't evaluate field Content in type *hugolib.Node in
theme/partials/head_highlightjs.html
ERROR: 2017/06/11 04:04:39 general.go:212: Error while rendering taxonomy tag: template: theme/_default/list.html:5:20: executing
"theme/_default/list.html" at <.Content>: can't evaluate field Content in type *hugolib.Node
12:04:40 AM: Build complete: exit code: 255
12:04:40 AM: Cleaning up docker container
12:04:40 AM: Error running command: Build script returned non-zero exit code: 255
12:04:40 AM: An error occurred while building the site, skipping the deploy and cache refresh.
12:04:40 AM: Build script returned non-zero exit code: 255
12:04:40 AM: Finished processing build request in 6.314279541s
```

Continuous??
Deployment
| Github Pages

Github Pages

- [Github Pages + Blogdown Tutorial](#)
- [My Personal Attempt](#)

More Blogdown Resources

RStudio Blogdown/Hugo Resources

- RStudio Webinar [“Introducing Blogdown”](#)
- Blogdown [Github Readme](#)
- [Book about Blogdown](#) (Warning - Under Development)