

Intro to 11ty

A simple static site generator

What is 11ty

- ▶ "ELEVENTY IS A SIMPLER STATIC SITE GENERATOR"
- ▶ works with your project's existing directory structure
- ▶ independent template engines
- ▶ works with multiple template languages
- ▶ Zero boilerplate client-side JavaScript
- ▶ works great with data (front matter and external data files)

Sites Using 11ty

[web.dev](#)

[CSS-Tricks Conferences](#)

[V8.dev](#)

[every-layout.dev](#)

[slay.sh](#)

Setup

- ▶ Install 11ty globally
 - ▶ `npm install -g @11ty/eleventy`
- ▶ Create a package.json
 - ▶ `npm init -y`
- ▶ Install Eleventy into package.json
 - ▶ `npm install --save-dev @11ty/eleventy`
- ▶ Check local project's version
 - ▶ `npx @11ty/eleventy --version`

Generating Your First Site

Create

index.html



Add

Content



Run

eleventy (if installed globally)

Site Structure

Templates

- ▶ Supports many template languages
 - ▶ HTML *.html, Markdown *.md, JavaScript *.11ty.js, Liquid *.liquid,
Nunjucks *.njk, Handlebars *.hbs, Mustache *.mustache, EJS *.ejs, Haml *.haml,
Pug *.pug, JavaScript Template Literals *.jstl
- ▶

Important Locations



Input directory

Where we will look for templates
Defaults to the current directory



Output directory

Where the files will be written to
Defaults to `_site`



`_includes`

Meant for layouts, include files, extends files, partials, or macros

Layouts

- ▶ Defined per template

```
---  
layout: mylayout.njk  
title: My Rad Markdown Blog Post  
---  
# {{ title }}
```

- ▶ Typically stored in `_includes` (e.g. `_includes/mylayout.njk`)
 - ▶ Location can be changed in config file

- ▶ Functions that can be defined in `.eleventy.js` file and called from template files
- ▶ Written in JavaScript

```
eleventyConfig.addFilter("getMeetupDate", function(code){  
  let date = DateTime.fromISO (code);  
  let month = date.toFormat('MMMM d, yyyy');  
  let concertDate = month;  
  return concertDate;  
});
```

Filters

Data Order of Priority

- ▶ The order of priority for sources of data is (from highest priority to lowest):
 - ▶ Front Matter Data in a Template
 - ▶ Front Matter Data in Layouts
 - ▶ Template Data Files
 - ▶ Directory Data Files (and ascending Parent Directories)
 - ▶ Global Data Files

► WordPress Rest API

- Make custom post type accessible ([source code](#))
 - <https://nwtcwebworkers.com/wp-json/wp/v2/meetup>

```
add_action( 'init', 'my_book_cpt' );  
function my_book_cpt() {  
    $args = array(  
        'public'      => true,  
        'show_in_rest' => true,  
        'label'       => 'Books'  
    );  
    register_post_type( 'book', $args );  
}
```

► Use 11ty to capture the WordPress feed as data

- [Code Example](#)

WordPress to 11ty

Deploy to Netlify

Add a New Site

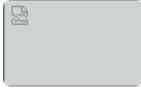
The screenshot shows a dark-themed web interface for a team named "allenjp7's team". At the top left, there is a logo and the team name with a dropdown arrow. To the right, there are notification and profile icons. Below the team name, a navigation bar contains links for "Sites", "Domains", "Members", "Audit log", and "Team settings". The main content area is a white card with a search bar labeled "Search site" and a green button labeled "New site from Git". A site card for "tuned-in.tech" is displayed, showing it is owned by the team and last published on Jul 20, 2018. Below this, a dashed box contains the text: "Want to deploy a new site without connecting to Git? Drag and drop your site folder here".

allenjp7's team ▾

Sites Domains Members Audit log Team settings

Search site

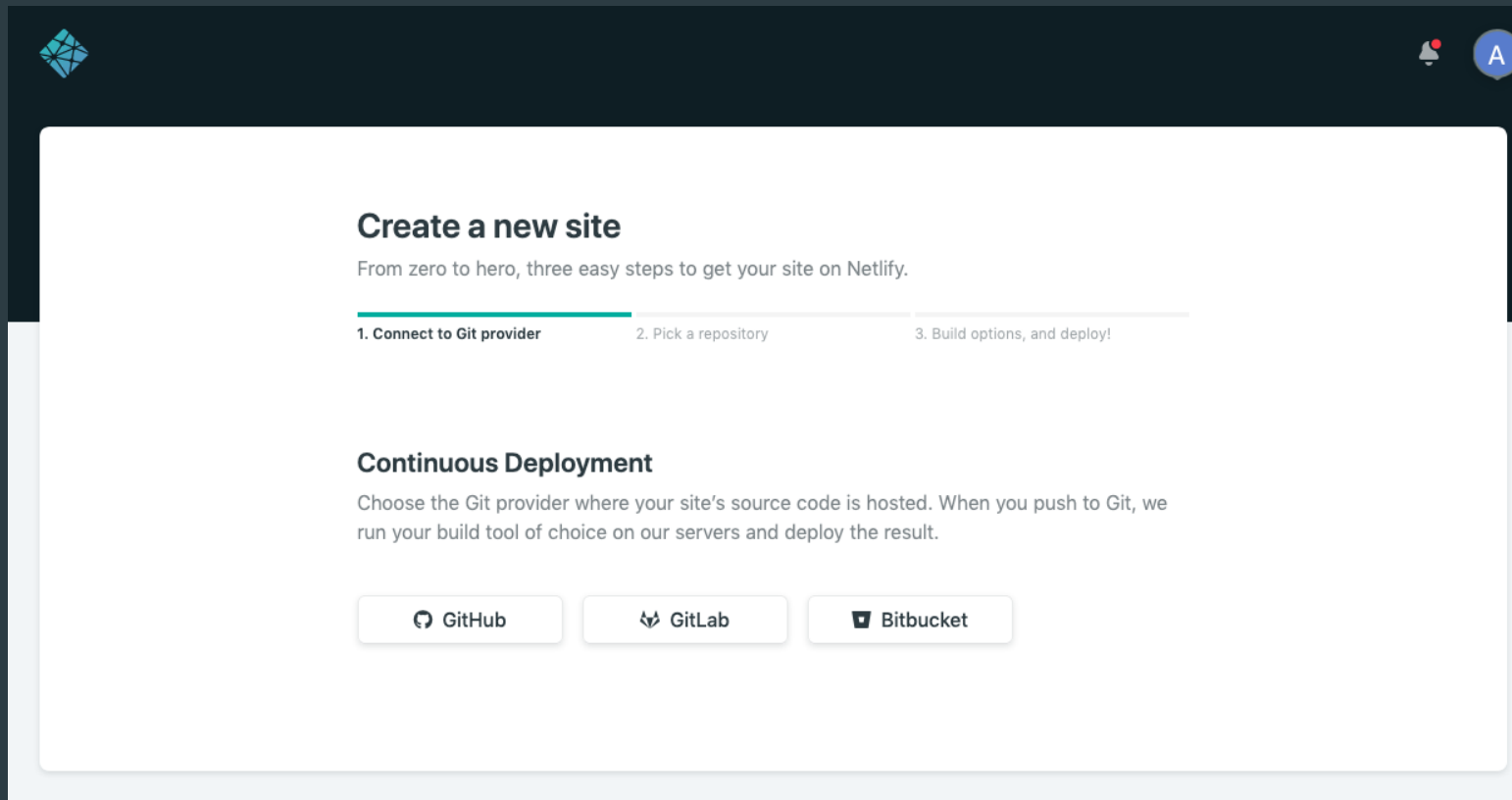
New site from Git

 **tuned-in.tech**
Deploys from [Bitbucket](#)

Owned by allenjp7's team
Last published on Jul 20, 2018 (a year ago)

Want to deploy a new site without connecting to Git?
Drag and drop your site folder here

Connect with a Git Service






The screenshot shows the Netlify dashboard interface for creating a new site. At the top left is the Netlify logo, and at the top right are a notification bell and a user profile icon with the letter 'A'. The main content area is titled "Create a new site" and includes a sub-header "From zero to hero, three easy steps to get your site on Netlify." Below this is a progress bar with three steps: "1. Connect to Git provider" (which is highlighted with a teal line), "2. Pick a repository", and "3. Build options, and deploy!". Underneath the progress bar is a section titled "Continuous Deployment" with the text: "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." At the bottom of this section are three buttons: "GitHub" (with the GitHub logo), "GitLab" (with the GitLab logo), and "Bitbucket" (with the Bitbucket logo).

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



Install Netlify

Install on your personal account nwtcwebworkers 

All repositories
This applies to all current *and* future repositories.

Only select repositories
...with these permissions:

- ✓ **Read** access to code
- ✓ **Read** access to metadata
- ✓ **Read and write** access to checks, commit statuses, and pull requests

User permissions
Netlify can also request users' permission to the following resources. These permissions will be requested and authorized on an individual-user basis.

- ✓ **Read** access to emails

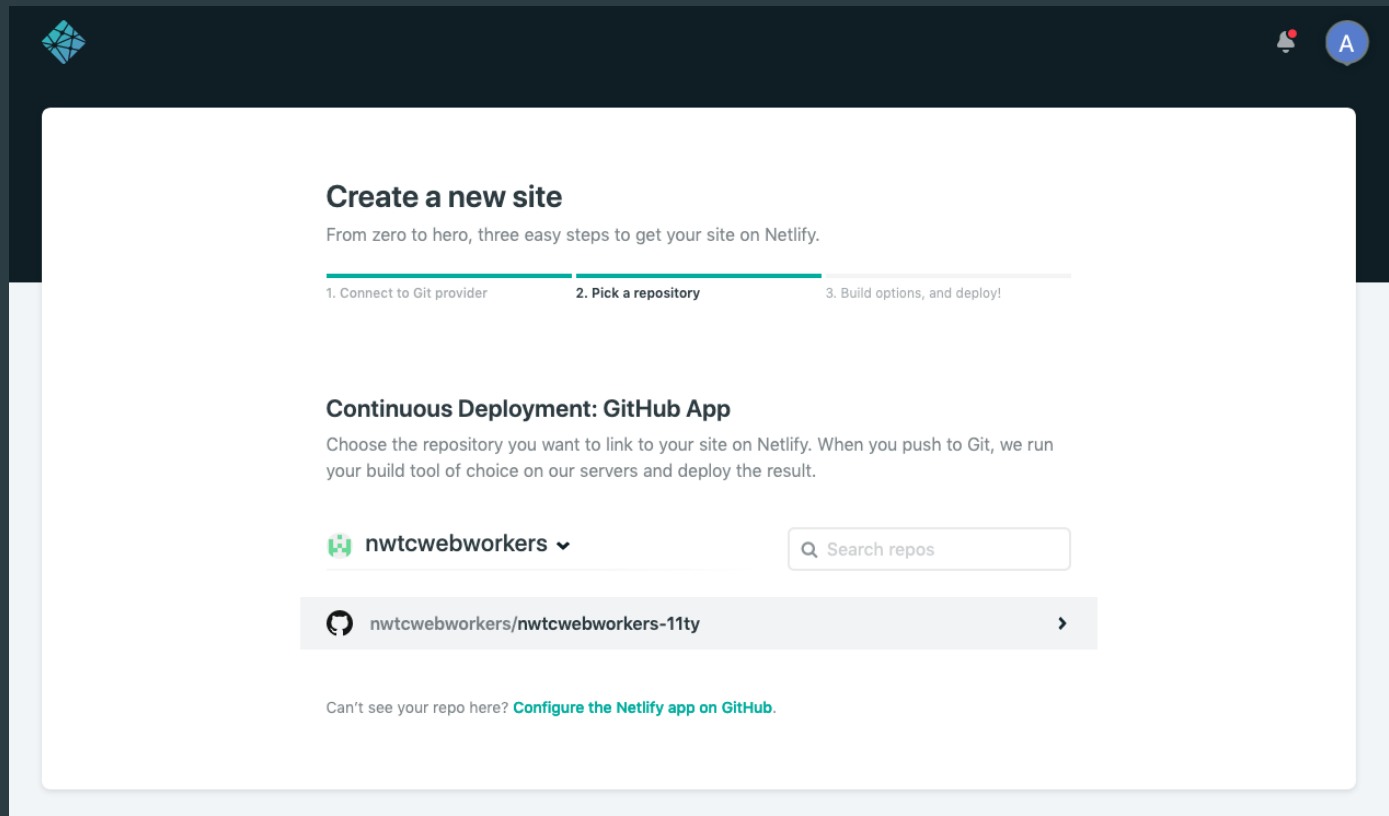
[Install](#) [Cancel](#)

Next: you'll be directed to the GitHub App's site to complete setup.

Give Netlify Permission

Can select all repositories or
select individual repos

Select Your Repository



The screenshot shows the Netlify dashboard for creating a new site. At the top left is the Netlify logo, and at the top right are a notification bell and a user profile icon with the letter 'A'. The main content area is titled "Create a new site" and includes a sub-header "From zero to hero, three easy steps to get your site on Netlify." Below this is a progress bar with three steps: "1. Connect to Git provider", "2. Pick a repository" (which is currently active), and "3. Build options, and deploy!". The "Continuous Deployment: GitHub App" section explains that users should choose a repository to link to their site. Below this is a search bar with the text "nwtcwebworkers" and a search icon. A search input field contains the text "Search repos". Below the search bar, a repository is listed: "nwtcwebworkers/nwtcwebworkers-11ty" with a right-pointing arrow. At the bottom, there is a link: "Can't see your repo here? [Configure the Netlify app on GitHub.](#)"

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: GitHub App

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.

nwtcwebworkers ▾

Search repos

nwtcwebworkers/nwtcwebworkers-11ty >

Can't see your repo here? [Configure the Netlify app on GitHub.](#)

Create New Site

- ▶ Pick your branch
- ▶ Select any commands that need to be run every build
- ▶ Select where your files will generate (I updated mine to *dist*)

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 nwtcwebworkers/nwtcwebworkers-11ty

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

Owner

allenjp7'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

eleventy

Publish directory

_site

Show advanced

Deploy site

allenjp7's team > eloquent-raman-b4aa5d

Overview Deploys Functions Identity Forms Large Media Split Testing Analytics Settings

eloquent-raman-b4aa5d

• Site deploy in progress

Deploys from GitHub. Created at 8:38 PM.

Site settings Domain settings

Getting started

- 1**
Deploying your site ⚙️
Netlify's robots are busy building and deploying your site to our CDN.
- 2**
Set up a custom domain
Buy a new domain or setup a domain you already own.
- 3**
Secure your site with
Your site is secured automatically. Encrypt certificate

Production deploys >

Production: master@HEAD **Enqueued** >
8:38 PM: No deploy message

Deploy Previews

Auto-preview your PR or branch
Every time you open a pull request, or push new changes

Site Deploy in Progress

Presentation Resources

- ▶ 11ty.io
- ▶ [WordPress Developer Resources](#)
- ▶ netlify.com

Change Site Name

The screenshot shows the Netlify dashboard for a site named 'nwtcwebworkers' under the user 'allenjp7's team'. The 'Settings' tab is active, displaying site information and a sidebar with navigation options.

Settings for nwtcwebworkers
nwtcwebworkers.netlify.com
Deploys from GitHub. Owned by allenjp7's team.
Last update at 8:39 PM (a few seconds ago)

General

- Site details
- Status badges
- Site members
- Danger zone
- Build & deploy
- Domain management
- Analytics
- Functions
- Identity
- Forms
- Large Media
- Access control

Site details
General information about your site

Site information

Site name:	nwtcwebworkers
Owner:	allenjp7's team
API ID:	2b32532b-84f7-4754-b994-b661fd71d150
Created:	Today at 8:38 PM
Last update:	Today at 8:39 PM

[Change site name](#) [Transfer site](#)

Add-ons

Questions

Jay.allen@nwtc.edu

nwtcwebworkers.netlify.com