

PROOF OF CONCEPT

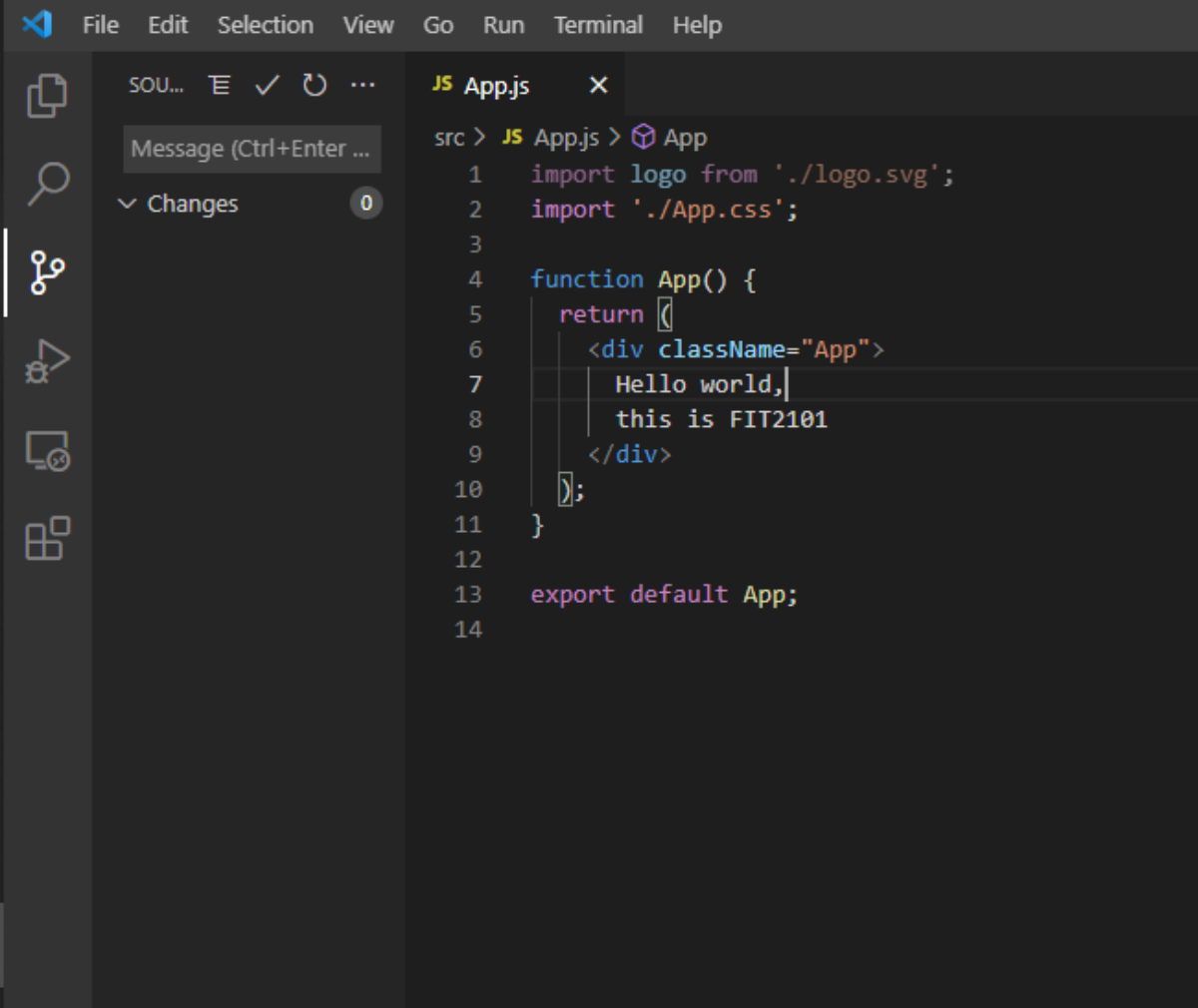
Summary

This proof of concept is to help members understand the steps required to deploy the react app with netlify as a host server.

Instructions:

Step 1:

Have react app ready to be built without occurring error. React app should be able to run Build and host on brower's localhost.



The screenshot shows a code editor with a dark theme. The menu bar at the top includes File, Edit, Selection, View, Go, Run, Terminal, and Help. On the left, there is a sidebar with icons for Explorer, Search, Source Control, Run and Debug, and Testing. The Explorer view shows a file named 'App.js'. The main editor area displays the following code:

```
src > JS App.js > App
1  import logo from './logo.svg';
2  import './App.css';
3
4  function App() {
5    return (
6      <div className="App">
7        Hello world,
8        this is FIT2101
9      </div>
10    );
11  }
12
13  export default App;
14
```

Step 2:

Publish projects to github or gitlab if you haven't. The React app can be hosted using github, however in this project, we will mostly work with gitlab, therefore it's more convenient to publish with netlify.

The screenshot shows a GitHub repository page for 'sttanminh / deploying_spike'. The repository is a new one, with 1 pull request, 0 stars, and 0 forks. The 'Code' tab is selected, showing a file list for the 'master' branch. The files include 'public', 'src', '.gitignore', 'README.md', 'package-lock.json', and 'package.json', all initialized by 'sttanminh' 34 minutes ago. The 'README.md' file is open, displaying the title 'Getting Started with Create React App'. The content of the README includes instructions on how to run the application using 'npm start' and how to view it in a browser at 'http://localhost:3000'. The right sidebar shows sections for 'About', 'Releases', and 'Packages', all of which are currently empty.

sttanminh / deploying_spike

Unwatch 1 Star 0 Fork 0

Code Issues Pull requests Actions Projects Wiki Security Insights

master Go to file Add file Code About

sttanminh first commit 21 minutes ago 2

File	Commit Message	Time
public	Initialize project using Create React App	34 minutes ago
src	first commit	21 minutes ago
.gitignore	Initialize project using Create React App	34 minutes ago
README.md	Initialize project using Create React App	34 minutes ago
package-lock.json	Initialize project using Create React App	34 minutes ago
package.json	Initialize project using Create React App	34 minutes ago

README.md

Getting Started with Create React App

This project was bootstrapped with [Create React App](#).

Available Scripts

In the project directory, you can run:

```
npm start
```

Runs the app in the development mode.
Open <http://localhost:3000> to view it in the browser.

The page will reload if you make edits.
You will also see any lint errors in the console.

No description, website, or topics provided.

Readme

Releases


No releases published
[Create a new release](#)




Packages

No packages published
[Publish your first package](#)

Step 3:

Go to <https://app.netlify.com/> and create a new account with github or gitlab. Create a new team and click to "New site from Git".

 timetable_app ▼



Upgrade

Team overview

Sites

Builds

Plugins

Domains

Members

Audit log

Billing

Team settings

timetable_app Starter

Current billing period (Aug 17 to Sep 17)

Welcome back 🌟

Bandwidth used

0 KB/100 GB

Build minutes used

0/300

Concurrent builds


0/1


Members

1

Sites →

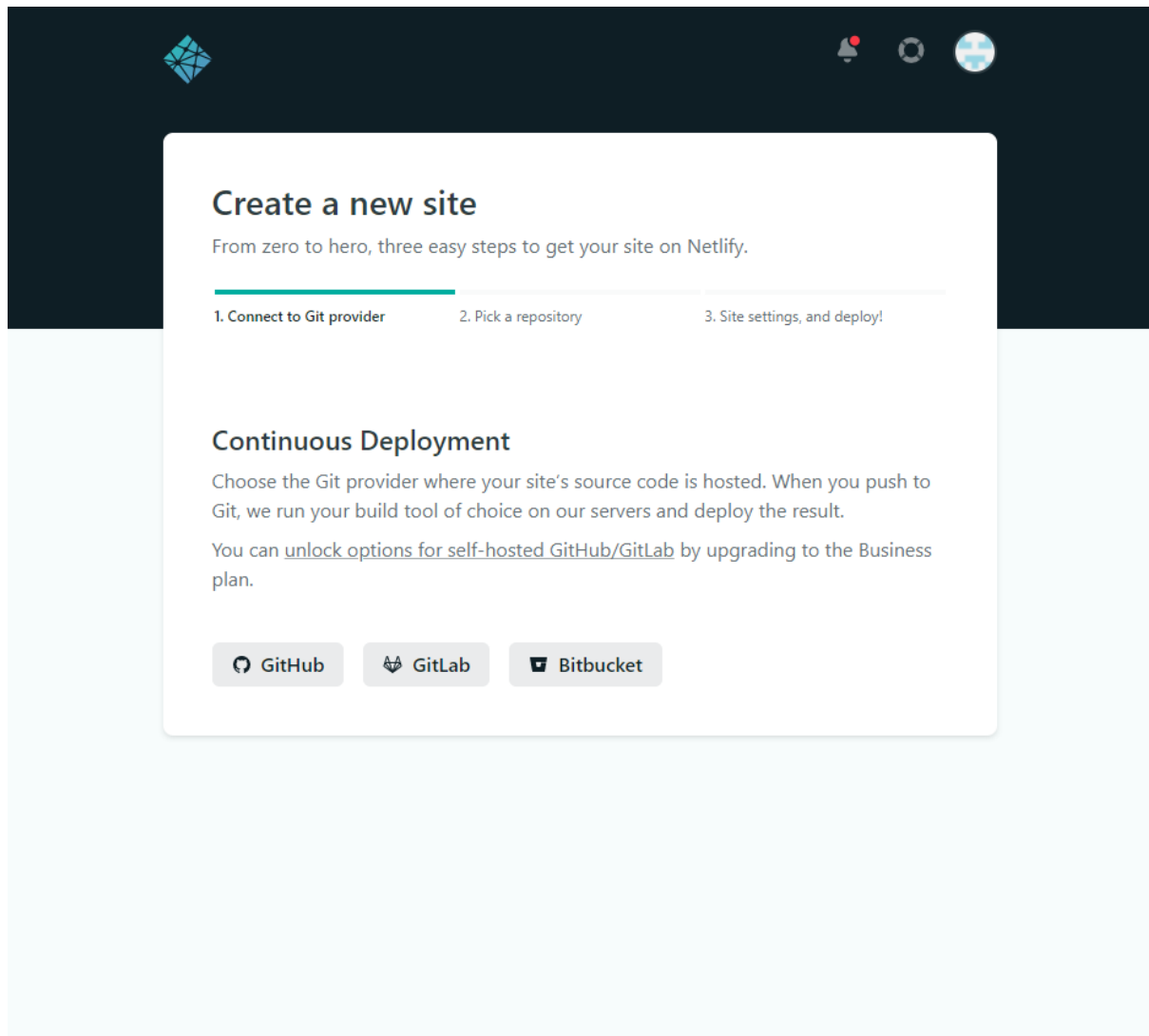
New site from Git

 serene-wiles-0796df

 epic-raman-21e7c0

Step 4:

Choose Github or or Gitlab, depending on which git the project is located at. Netlify might ask you to login for the first time.



Step 5:

Go to site settings for the deployment, under “Build and deploy”, change build command into:

CI= npm run build

Now we can deploy the app.

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. Site settings, and deploy!

Site settings for sttanminh/deploying_spike

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

Owner

timetable_app

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](#)

Base directory

Build command

CI= npm run build

Publish directory

build

Show advanced

Deploy site

Wait for the deploy log to finish, if any error occurs, carefully read and fix it.

Deploy log

Preview

↑

↓

```
105 2:23:21 PM: 1.17 KB build/static/js/runtime-main.01bd711c.js
106 2:23:21 PM: 556 B build/static/css/main.a617e044.chunk.css
107 2:23:21 PM: 439 B build/static/js/main.041228d2.chunk.js
108 2:23:21 PM: The project was built assuming it is hosted at /.
109 2:23:21 PM: You can control this with the homepage field in your package.json.
110 2:23:21 PM: The build folder is ready to be deployed.
111 2:23:21 PM: You may serve it with a static server:
112 2:23:21 PM: npm install -g serve
113 2:23:21 PM: serve -s build
114 2:23:21 PM: Find out more about deployment here:
115 2:23:21 PM: https://cra.link/deployment
116 2:23:21 PM: Creating deploy upload records
117 2:23:21 PM:
118 2:23:21 PM: (build.command completed in 12.4s)
119 2:23:21 PM:
120 2:23:21 PM:
121 2:23:21 PM: 2. Deploy site
122 2:23:21 PM:
123 2:23:21 PM:
124 2:23:21 PM: Starting to deploy site from 'build'
125 2:23:21 PM: Creating deploy tree
126 2:23:21 PM: 10 new files to upload
127 2:23:21 PM: 0 new functions to upload
128 2:23:22 PM: Site deploy was successfully initiated
129 2:23:22 PM:
130 2:23:22 PM: (Deploy site completed in 501ms)
131 2:23:22 PM:
132 2:23:22 PM:
133 2:23:22 PM: Netlify Build Complete
134 2:23:22 PM:
135 2:23:22 PM:
136 2:23:22 PM: (Netlify Build completed in 13s)
137 2:23:22 PM: Starting post processing
138 2:23:22 PM: Post processing - HTML
139 2:23:22 PM: Post processing - header rules
140 2:23:22 PM: Post processing - redirect rules
141 2:23:22 PM: Post processing done
142 2:23:22 PM: Caching artifacts
143 2:23:22 PM: Started saving node modules
144 2:23:22 PM: Finished saving node modules
145 2:23:22 PM: Started saving build plugins
146 2:23:22 PM: Finished saving build plugins
147 2:23:22 PM: Started saving pip cache
148 2:23:22 PM: Finished saving pip cache
149 2:23:22 PM: Started saving emacs cask dependencies
150 2:23:22 PM: Finished saving emacs cask dependencies
151 2:23:22 PM: Started saving maven dependencies
152 2:23:22 PM: Finished saving maven dependencies
153 2:23:22 PM: Started saving boot dependencies
154 2:23:22 PM: Site is live 🌱
155 2:23:22 PM: Finished saving boot dependencies
156 2:23:22 PM: Started saving rust rustup cache
157 2:23:22 PM: Finished saving rust rustup cache
158 2:23:22 PM: Started saving go dependencies
159 2:23:22 PM: Finished saving go dependencies
160 2:23:25 PM: Build script success
161 2:23:50 PM: Finished processing build request in 1m39.301410574s
```

Go back to site overview, address for the deployed site will be below the site name:

The image shows the Netlify site overview for a project named 'sharp-roentgen-03bb8a'. The interface includes a top navigation bar with links like 'Site overview', 'Deploys', 'Plugins', 'Functions', 'Identity', 'Forms', 'Large Media', 'Split Testing', 'Analytics', and 'Site settings'. Below this, a card displays the site name, its URL 'https://sharp-roentgen-03bb8a.netlify.app', and deployment details from GitHub. A 'Getting started' section provides three steps: 1. 'Your site is deployed' (checked), 2. 'Set up a custom domain' (with a link), and 3. 'Secure your site with HTTPS'. The 'Production deploys' section shows a 'Published' deployment at 2:22 PM and a 'Canceled' deployment at 2:20 PM. The 'Deploy Previews' section explains how to auto-preview pull requests or branches. Below the Netlify interface, a browser window shows the deployed site at 'sharp-roentgen-03bb8a.netlify.app' displaying 'Hello world, this is FIT2101'.

timetable_app > sharp-roentgen-03bb8a Upgrade

Site overview Deploys Plugins Functions Identity Forms Large Media Split Testing Analytics Site settings

sharp-roentgen-03bb8a

- <https://sharp-roentgen-03bb8a.netlify.app>

Deploys from [GitHub](#). Last published at 2:23 PM.

Site settings Domain settings

Getting started

- 1**
Your site is deployed ✓
Try a test build and deploy, directly from your Git repository or a folder.
- 2**
Set up a custom domain →
Buy a new domain or setup a domain you already own.
- 3**
Secure your site with HTTPS
Your site is secured automatically with a Let's Encrypt certificate.

Production deploys

Deploy	Status	Time	Message
Production: master@HEAD	Published	2:22 PM	No deploy message
Production: master@HEAD	Canceled	2:20 PM	No deploy message

Deploy Previews

Auto-preview your PR or branch

Every time you open a pull request, or push new changes to a branch, Netlify automatically builds a preview with a unique URL. Like a staging environment for every PR or branch, previews are perfect for testing and collaboration.

[Learn more about Deploy Previews](#)

React App

sharp-roentgen-03bb8a.netlify.app

Hello world, this is FIT2101