

# Netlify: Deploying has never been easier

---

Gianluca La Manna - Frontend Developer



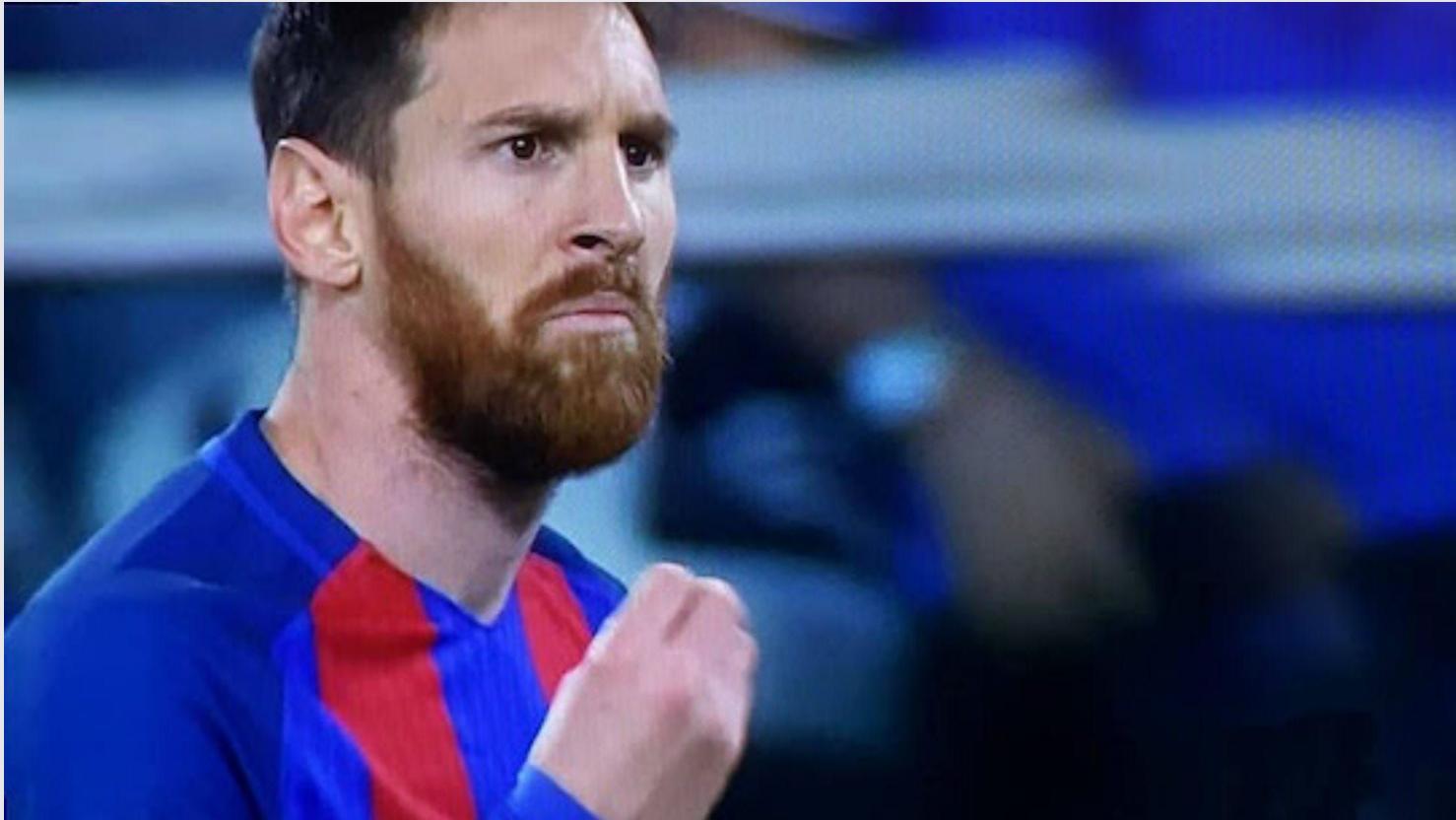
PTER !



# What is Netlify?







● ● ●



# What is Netlify?

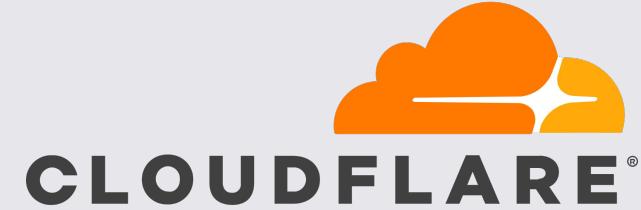
---

Netlify is a cloud hosting platform for websites and web applications. With Netlify, developers can distribute their applications and make them available online anywhere in the world with just a few clicks.



# Cloud providers

---

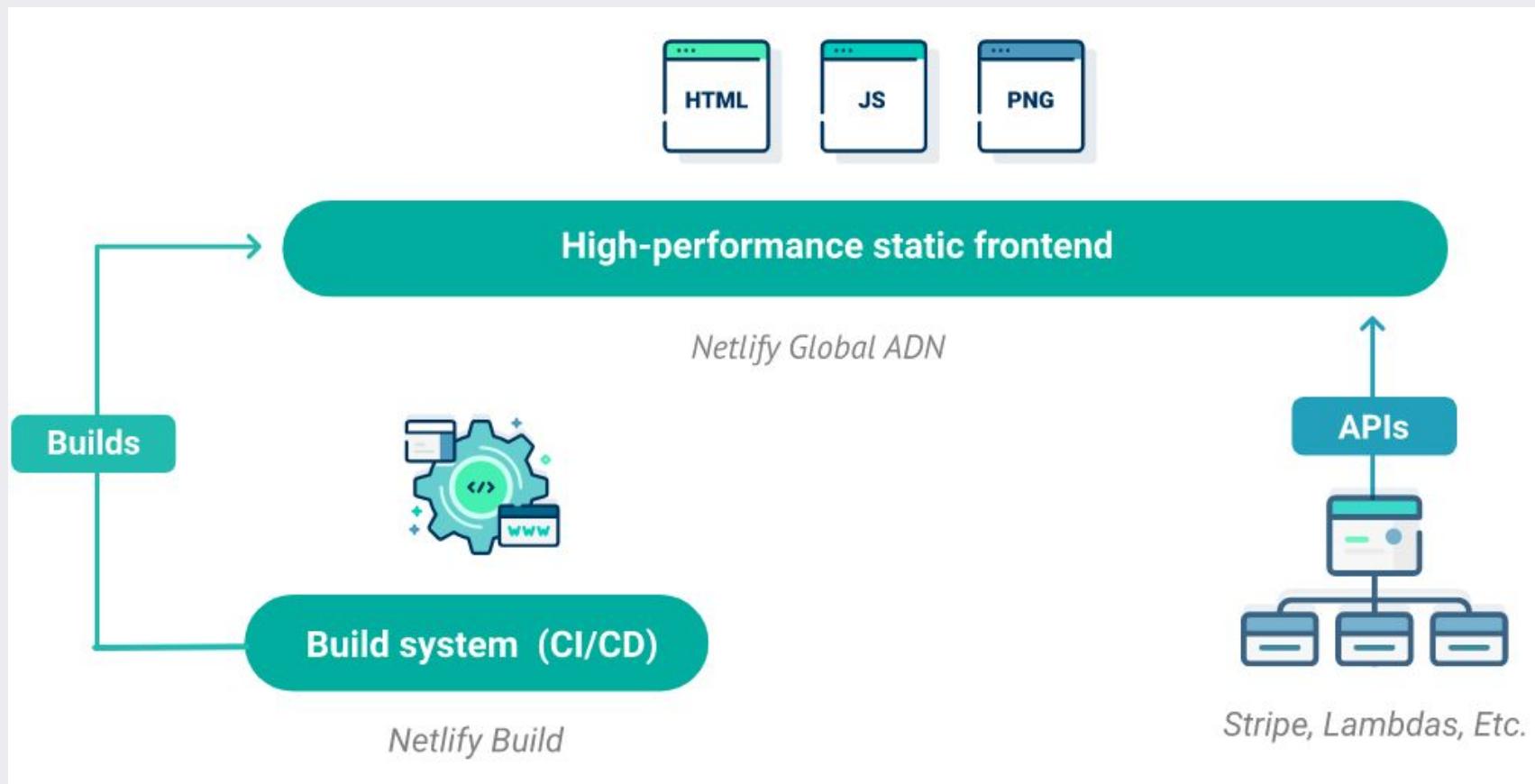


Google Cloud









# Netlify project



# How to attach an existing project?

# Attach an existing project

---

- Create local project (eg: React, NextJs, Qwik...)
- Push project on Github
- Deploy on Netlify

# **Push local project on Github**

# Project on Github

main ▾ 1 branch 0 tags Go to file Add file ▾ <> Code ▾

Gianluca La Manna	Initialize project using Create React App	73b2c56 37 minutes ago	1 commit
public	Initialize project using Create React App	37 minutes ago	
src	Initialize project using Create React App	37 minutes ago	
.gitignore	Initialize project using Create React App	37 minutes ago	
README.md	Initialize project using Create React App	37 minutes ago	
package-lock.json	Initialize project using Create React App	37 minutes ago	
package.json	Initialize project using Create React App	37 minutes ago	

README.md

Getting Started with Create React App

# Import an existing project

## Team overview

Sites

Builds

Integrations

Domains

Members

Audit log

Billing

Team settings

## theencoder93's team Starter

Current usage period (May 1 to Jun 1)

Welcome back ✨

Bandwidth used

241 KB/100 GB

Build minutes used

0/300

Concurrent builds

0/1

Team members

1



💡 You can manage all your sites via the [Netlify CLI](#) by running `netlify sites`.

Sites →**netlify-test-theencoder**  
Deploys from [GitHub](#)**nyt-times-books**  
Deploys from [GitHub](#)

## Add new site ▾

Import an existing project

Start from a template

Deploy manually

Builds →**theencoder** Completed  
n@71bc343**netlify-test-theencoder** Completed  
Deploy Preview #1: staging@71bc343**netlify-test-theencoder** Completed  
Branch Deploy: staging@71bc343**netlify-test-theencoder** Completed  
Deploy Preview #1: staging@ce74dac**netlify-test-theencoder** Completed  
Branch Deploy: staging@HEAD[Upgrade](#)

# Import an existing project

---

- Connect Git Provider
- Pick a repository
- Site settings & deploy

## Import an existing project from a Git repository

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!

### Connect to Git provider

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.

You can unlock options for self-hosted GitHub/GitLab by upgrading to the Business plan.



[GitHub](#)



[GitLab](#)



[Bitbucket](#)



[Azure DevOps](#)

Don't have a project yet? [Start from a template instead.](#)

# Import an existing project from a Git repository

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!

## Pick a repository from 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.



thecoder93 



Search repos



thecoder93/netlify-test >



thecoder93/nyt-times-books >

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

## Import an existing project from a Git repository

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 thecoder93/netlify-test

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

Owner

thecoder93's team

Branch to deploy

main

#### 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

npm run build



Publish directory

build



Show advanced

Deploy site

joyful-bunny-326fe5

• Site deploy in progress

Deploys from GitHub.

Created at 5:44 PM.

\* Site settings

\* Domain settings

⭐ Favorite site

💡 With [Collaborative Deploy Previews](#), you and your team can add, review, and manage feedback about site changes right from your site.

## ↳ Production deploys

Production: main@HEAD Building

5:44 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.

## Deploy log

Preview ⌂ ⌄ ⌄

### > Initializing

✓ Complete

### Building

✓ Complete

```
48 5:44:31 PM: Netlify Build
49 5:44:31 PM: _____
50 5:44:31 PM:
51 5:44:31 PM: > Version
52 5:44:31 PM: @netlify/build 29.11.5
53 5:44:31 PM:
54 5:44:31 PM: > Flags
55 5:44:31 PM: baseRelDir: true
56 5:44:31 PM: buildId: 6468eac6e93dbc338d2676fc
57 5:44:31 PM: deployId: 6468eac6e93dbc338d2676fe
58 5:44:31 PM:
59 5:44:31 PM: > Current directory
60 5:44:31 PM: /opt/build/repo
61 5:44:31 PM:
62 5:44:31 PM: > Config file
63 5:44:31 PM: No config file was defined: using default values.
64 5:44:31 PM:
65 5:44:31 PM: > Context
66 5:44:31 PM: production
67 5:44:31 PM:
68 5:44:31 PM: Build command from Netlify app
69 5:44:31 PM: _____
```

The image displays two adjacent browser windows, both titled "React App". The left window has a dark theme and shows the text "Netlify test locale" above a blue atom icon. The right window has a light theme and also shows the same text and icon. Below these windows is a large, semi-transparent dark overlay containing deployment information.

**Deploys for joyful-bunny-326fe5**

- <https://joyful-bunny-326fe5.netlify.app>

Deploys from [github.com/thecoder93/netlify-test](https://github.com/thecoder93/netlify-test).

Published main@[bcd8d3](https://github.com/thecoder93/netlify-test/commit/bcdb8d3)

**Auto publishing is on.** Deploys from main are published automatically.

[Deploy settings](#) [Notifications](#) [Lock to stop auto publishing](#)

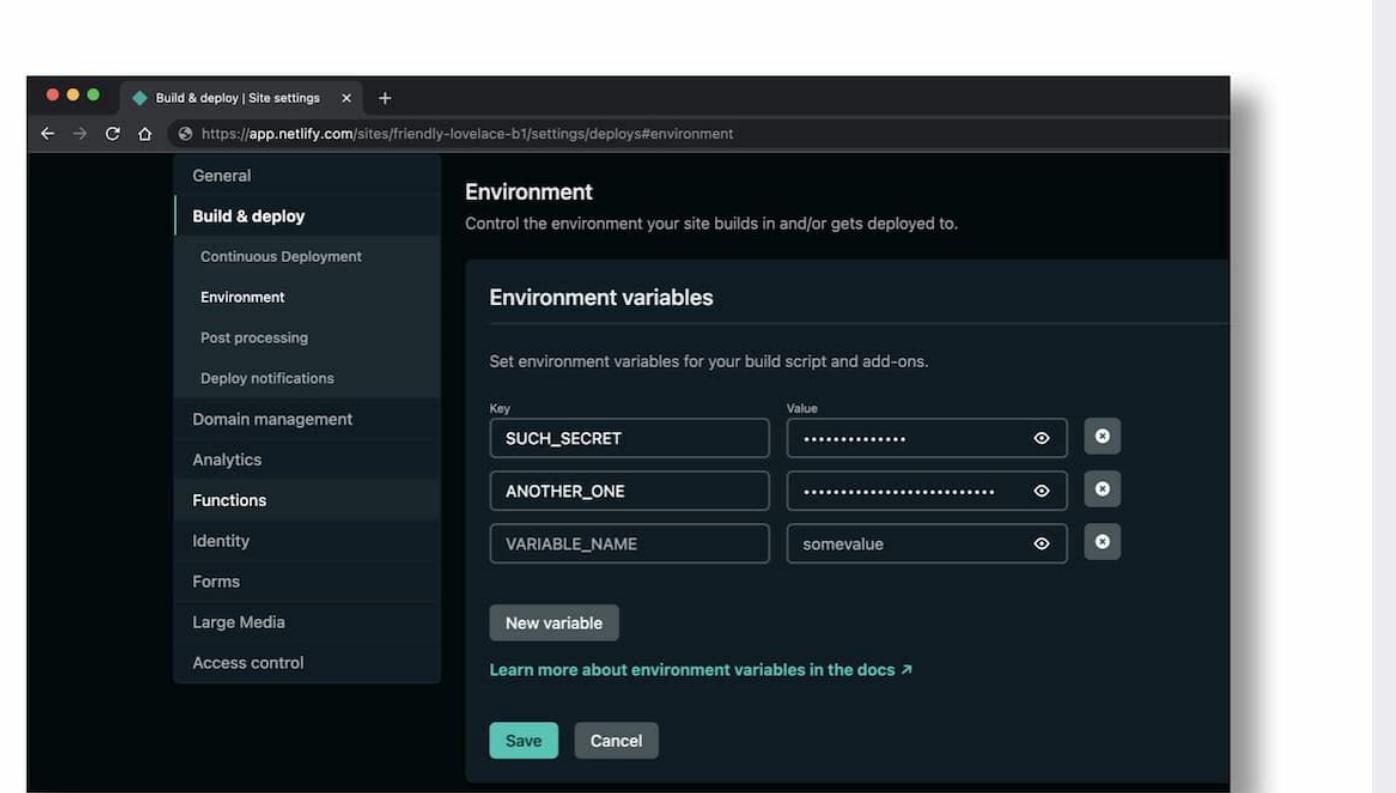
# Environments variables



# Add variables on Netlify

---

- Site settings
- Environment variables
- Key - Value



The customer's issue ?

Service Marketplace Team

Search anything...

Team overview

Jobs

Bugs

Improvements

Discussions

Members

Audit log

Billing

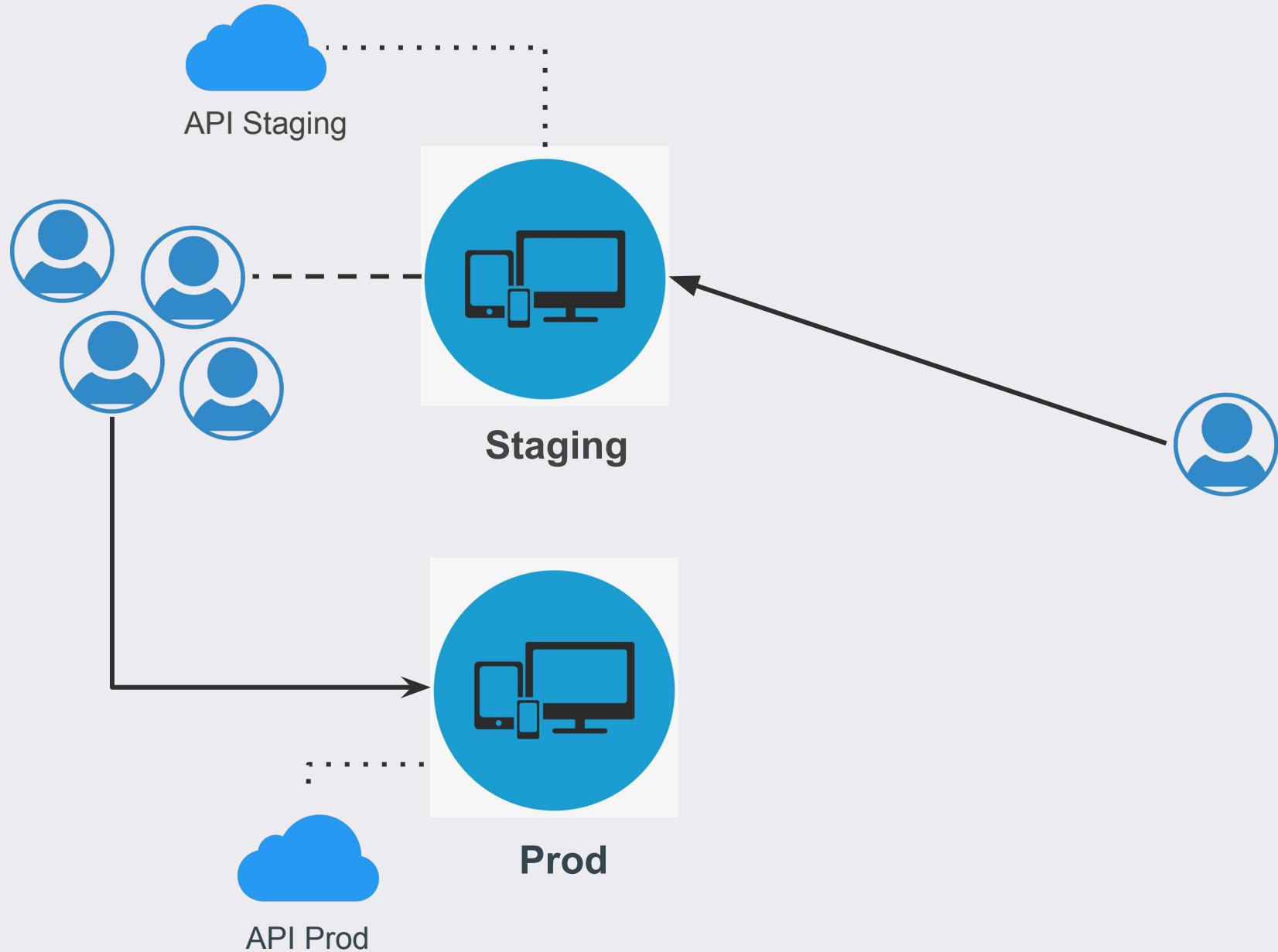
Team settings

Search jobs

Search across all teams

View more (10)

	DevOps Internship II	Owned by Service Marketplace Team
	Software Engineering Intern	Owned by Service Marketplace Team
	Frontend Internship II	Owned by Service Marketplace Team
	Backend Internship II	Owned by Service Marketplace Team
	Machine Learning Intern	Owned by Service Marketplace Team
	Cloud Computing Intern	Owned by Service Marketplace Team
	Database Intern	Owned by Service Marketplace Team
	Mobile App Intern	Owned by Service Marketplace Team
	UI/UX Designer Intern	Owned by Service Marketplace Team
	Project Manager Intern	Owned by Service Marketplace Team



**thecoder93's team** Starter

Current usage period (May 1 to Jun 1)

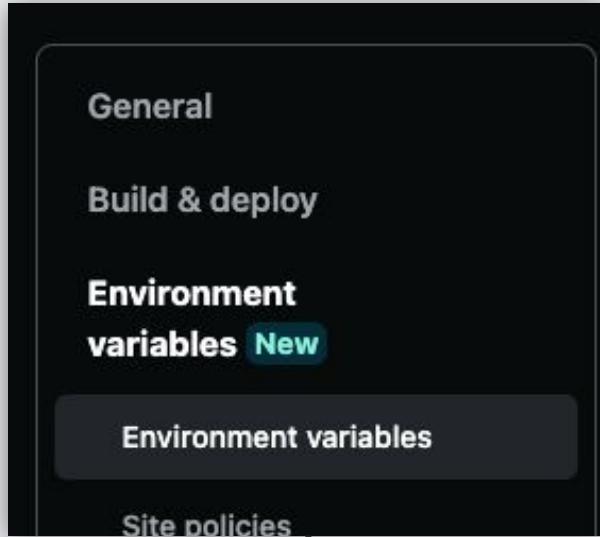
Welcome back ✨

Bandwidth used  
**501 KB**/100 GB

Build minutes used  
**0**/300

Concurrent builds  
**0/1**

Team members  
**1**



You can define the variability of the environment for **scope** and **contexts**

Environment variables

Securely store secrets, API keys, tokens, and other environment variables

[Learn more about environment variables in the docs ↗](#)

Add a variable ▾

Filter by key name

Any scope ▾ Any context ▾ Sort ▾

REACT\_APP\_PROJECT\_NAME

All scopes · 2 values in 2 deploy contexts

A screenshot of a web-based environment variable management tool. The interface has a dark background. On the left, there's a sidebar with navigation links. A large arrow points from the "Environment variables" link in the sidebar to the main content area. The main content area is titled "Environment variables" and describes securely storing secrets like API keys and tokens. It includes a "Learn more" link, a "Add a variable" button, and filtering options for "key name", "scope", "context", and "sort". Below these, a specific environment variable "REACT\_APP\_PROJECT\_NAME" is listed, showing it applies to all scopes and has two values across two deploy contexts.

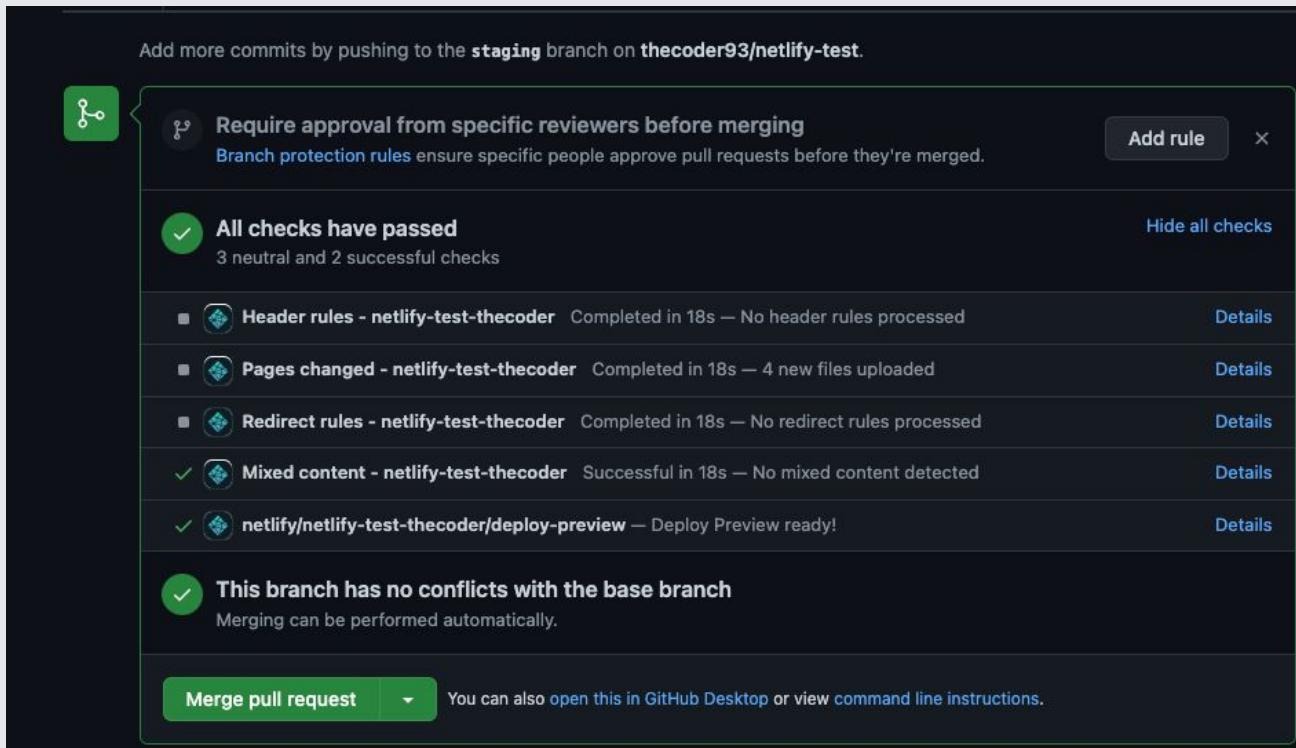
# Deploy Preview

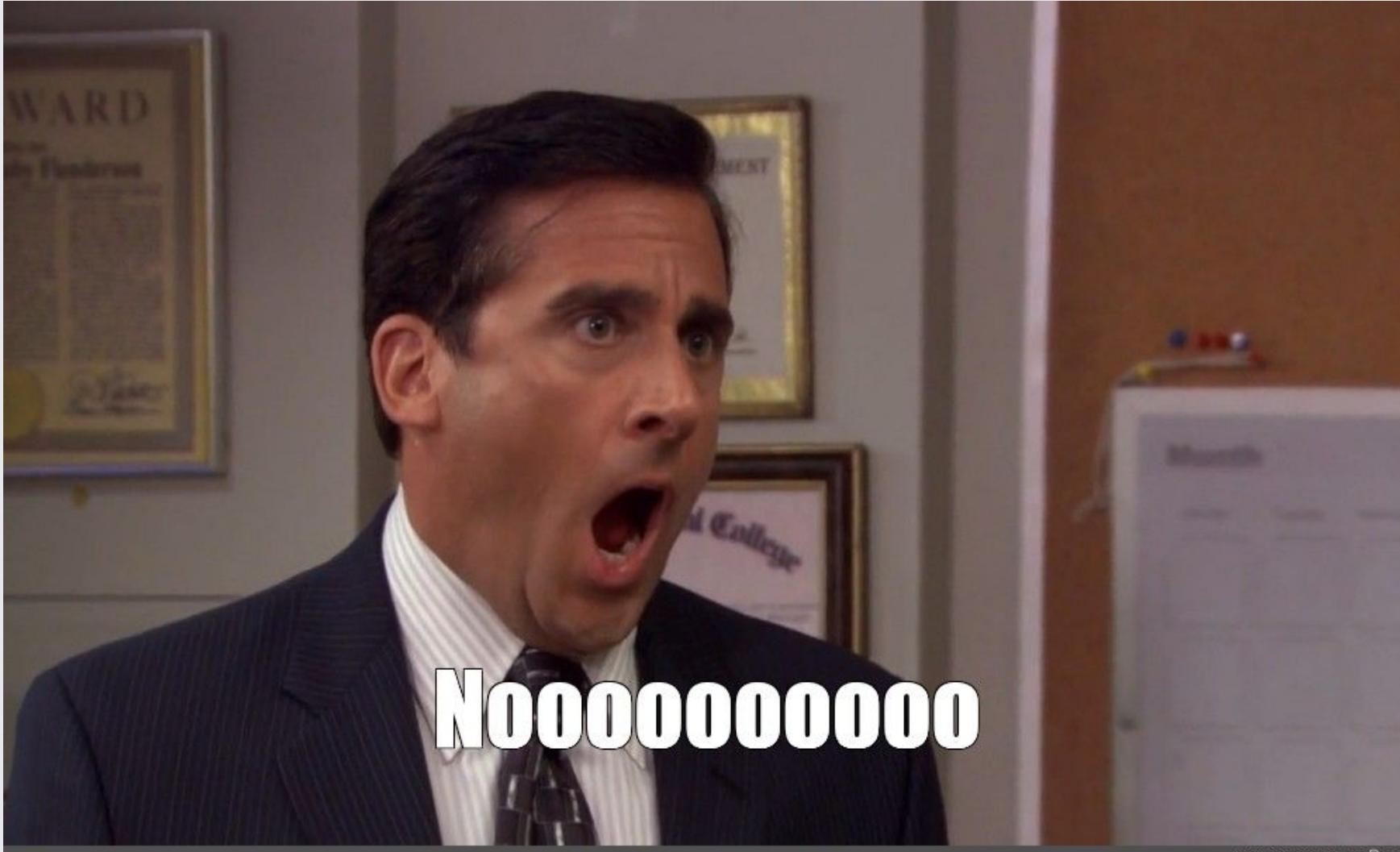
# Previews

---

Deploy Previews allow you and your team to experience changes to any part of your site without having to publish them to production.

Netlify builds Deploy Previews by default for **pull requests** and merge requests.





Noooooooooooo

**How to deploy a single site staging and production version of Netlify and not use a PR?**

# Branch Deploy



# Settings variable for branch deploy

Key: EXAMPLE\_KEY

Scopes:  All scopes  Specific scopes  
Limit this environment variable to specific scopes, such as builds, functions, or post processing [Upgrade to unlock](#)

Values:  Same value for all deploy contexts  Different value for each deploy context  
Use different environment variable values for production, Deploy Previews, branch deploys, and local development. Optionally override these values on specific branches.

Production

Most values that are set for production should also be set for Deploy Previews, so that these contexts match in behavior

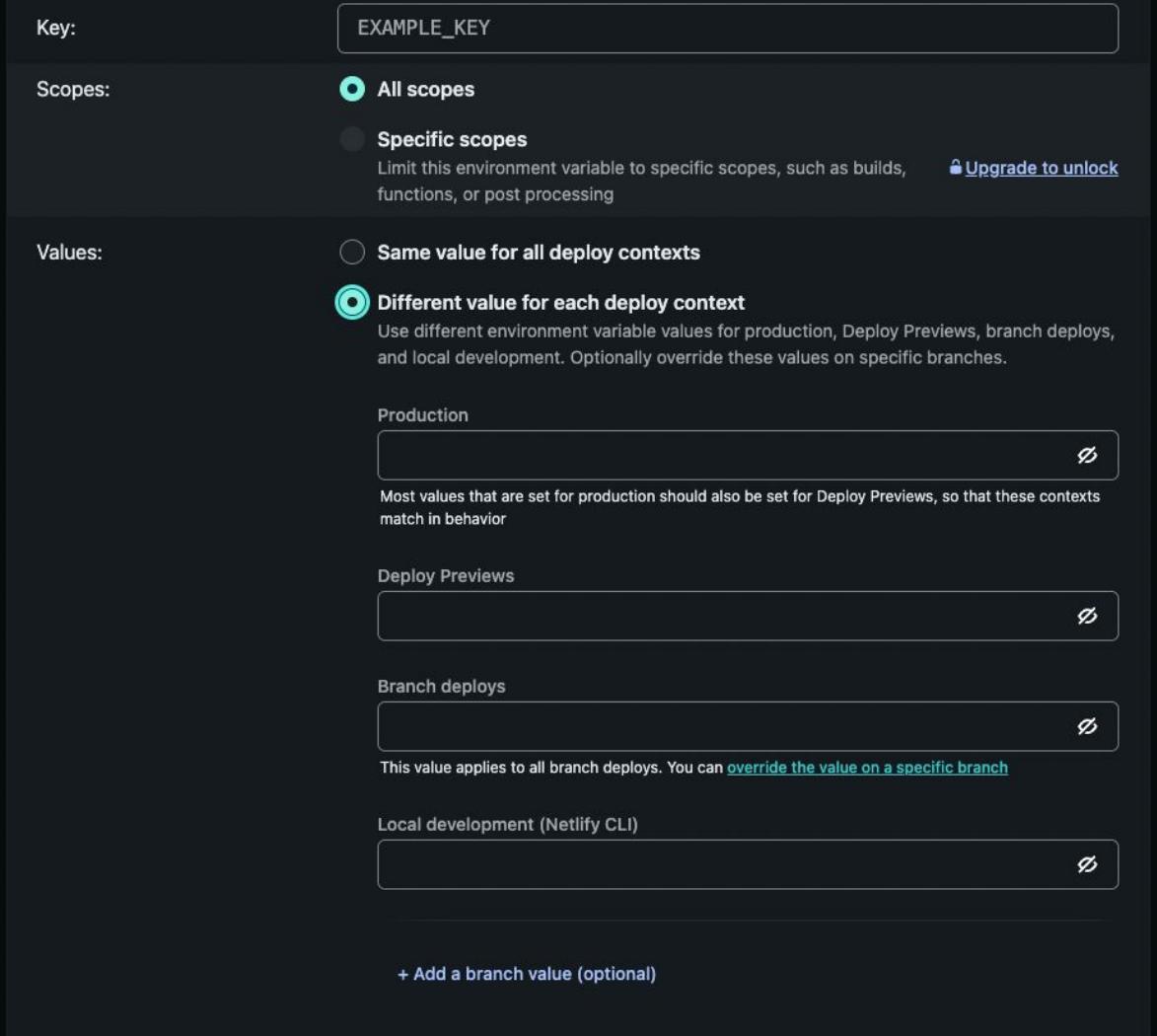
Deploy Previews

Branch deploys

This value applies to all branch deploys. You can [override the value on a specific branch](#)

Local development (Netlify CLI)

+ Add a branch value (optional)



# Create a new github branch "staging"

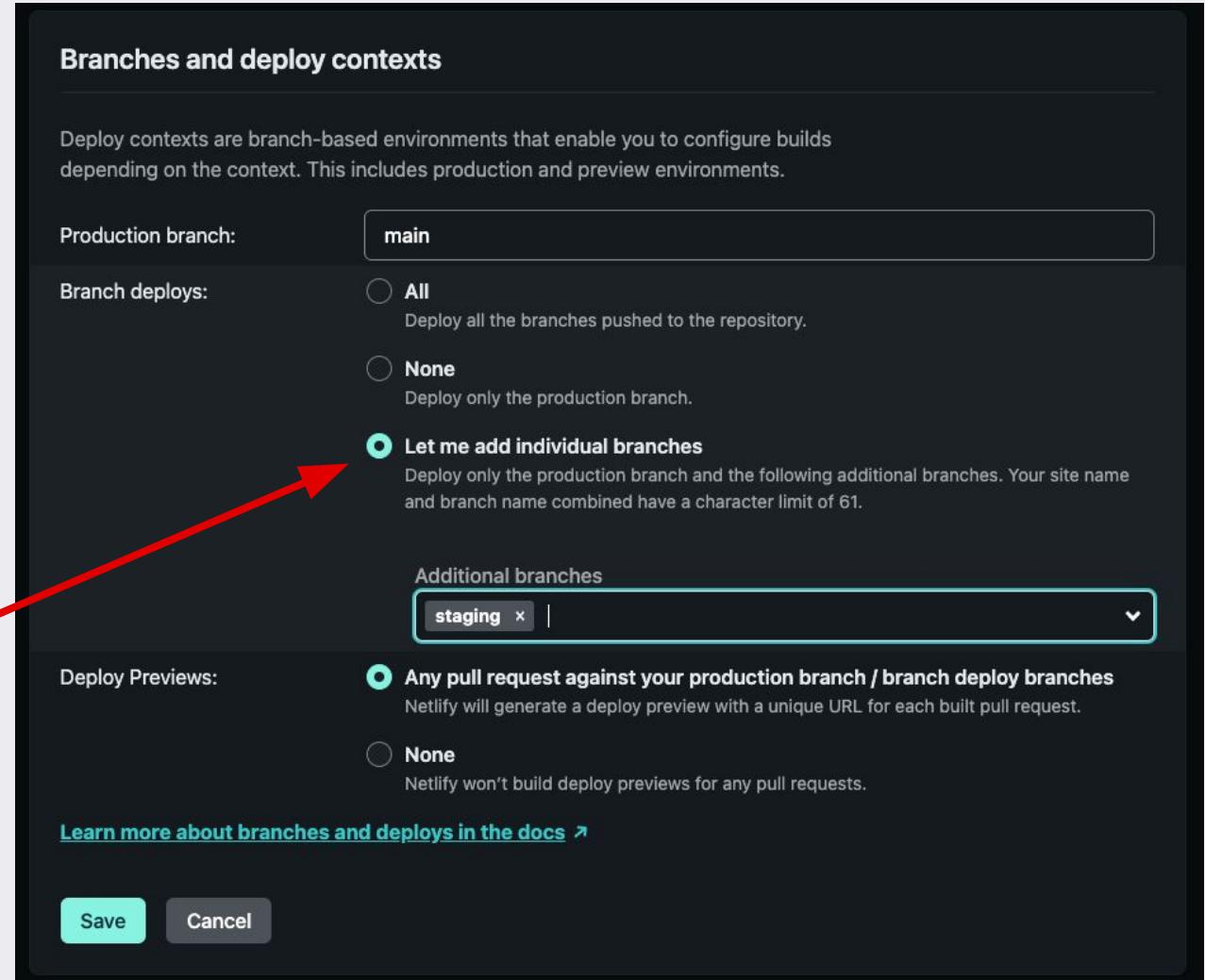
---

```
$git branch staging
```

# Setting branches and deploy contexts

- Site settings
- Build & deploy
- Branches and deploy contexts

Let me add individual branches



# Push staging branch

---



## Deploys for netlify-test-theencoder

- https://netlify-test-theencoder.netlify.app

Deploys from [github.com/theencoder93/netlify-test](https://github.com/theencoder93/netlify-test).

Published main@HEAD

Auto publishing is **on**. Deploys from main are published automatically.

 Deploy settings

 Notifications

 Lock to stop auto publishing

## Test your site's Lighthouse performance

Want to see how your site will perform before you deploy? Install the Lighthouse plugin for build-time Lighthouse scores and reports.

[Learn more](#)

[Install Lighthouse plugin](#)

 [Import environment variables](#) ➔ with `netlify env:import .env` .

X

 Search deploys

Trigger deploy ▾

Deploy Preview #1: staging@71bc343 New

added tag p

Today at 8:10 PM ➔

Branch Deploy: staging@71bc343 Building

 Go to deploy details

Today at 8:10 PM ➔

Deploy Preview #1: staging@ce74dac

Today at 7:56 PM

← → ⌂ app.netlify.com/sites/joyful-bunny-326fe5/deploy/646a726b0fe5f82fb2add044

theCoder93's team / joyful-bunny-326fe5

Site overview Deploy

Deploys

Functions

Edge Functions

Integrations

Forms

Large Media

Split Testing

Analytics

Site settings

Upgrade

Deploy in progress for joyful-bunny-326fe5

Netlify's robots are busy building and deploying your site to our CDN.

Today at 9:35 PM

Production: main@HEAD

Cancel deploy Deploy settings Play game

Fancy a game while you wait?

We're on a mission to find the cutest emojis.

Play game

Deploy log

Initializing In progress

1 9:35:11 PM: build-image version: 4b067841aaa59ef71931d3505b98c2bc3e63f36f (focal)  
2 9:35:11 PM: buildbot version: 4b067841aaa59ef71931d3505b98c2bc3e63f36f  
3 9:35:11 PM: Building without cache  
4 9:35:11 PM: Starting to prepare the repo for build  
5 9:35:11 PM: No cached dependencies found. Cloning fresh repo  
6 9:35:11 PM: git clone --filter=blob:none <https://github.com/theCoder93/netlify-test>  
7 9:35:11 PM: Preparing Git Reference refs/heads/main  
8 9:35:12 PM: Parsing package.json dependencies

Building

Deploying

Cleanup

# <https://staging--netlify-test-theencoder.netlify.app>

BoroBazar

What are you looking... 

English - EN  Cart  Sign In

**ON SALE**



**\$2.64** \$2.74  
Fresh Green Leaf Lettuce  
1 each

Add 

**ON SALE**



**\$2.50** \$2.74  
Leafy Romaine Mixed Lettuce  
1 each

Add 



**\$25.00 - \$40.00**  
Fresh Express Iceberg Garden Salad Blend  
1 Bag

[View Products](#) 



**\$1.50**  
Organic Girl Lettuce  
1 Bag

Add 

**ON SALE**



**Staging**







# Outcomes

# Outcomes

---

- No servers to buy or configure and files to upload via FTP
- Simple configuration from Netlify Interface
- No need to create different site of Netlify (netlify-test-staging - netlify-test-prod)
- No PR for end User with branch deploy

# Thanks for attention

---



Gianluca La Manna  
Frontend Developer @ Claranet Italia



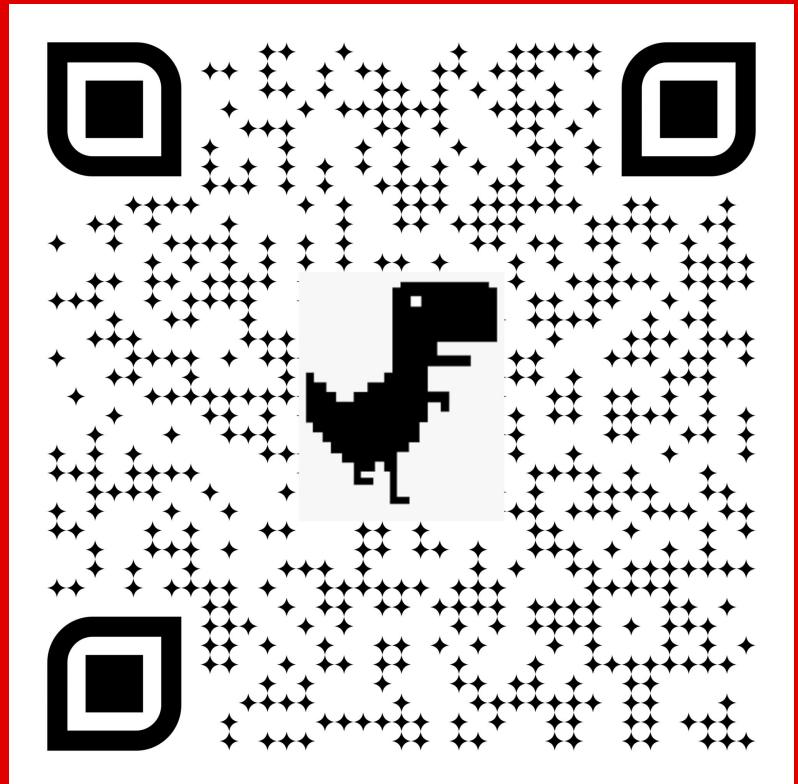
Gianluca La Manna



@thecoder93@mastodon.uno



@thecoder93





**claranet**<sup>®</sup> | helping our customers  
do amazing things



# We ❤️ remote working

Berlin, Amsterdam, London, Milan, Rome, Turin  
so wherever you want!

We are hiring! → [claranetitalia.recruitee.com](http://claranetitalia.recruitee.com)

