

## Heroku Deployment

To begin deploying in Heroku, first we need to understand how Companies manage projects in real world. If we summarize it then the workflow will more or less look like the following:

1. Companies maintain a version control system(VCS) to put their code. They maintain a primary branch as deployment branch and all other branches are created from this primary branch. The VCS can either be Github, Gitlab or Bitbucket. (For Hackathon we will be using Github)
2. Then the project is deployed in a testing environment(environment is a fancy name of saying **Stage/Step**). This testing stage is called **Staging**.
3. After testing in Staging environment if the features are found ok, then it is deployed to the **Production** environment. When it is deployed in **Production** the application will be accessible to real world users.

A lot of things happen between step 1 and 2 which differs from company to company and we will get back to those later.

Pipeline Doc: <https://devcenter.heroku.com/articles/pipelines>

Deployment Process:

1. We are assuming a project is already build in Github, which is this project [https://github.com/subrato-git/hello\\_world](https://github.com/subrato-git/hello_world). We will deploy it to Heroku.
2. We are also assuming you have a valid Github account and a Heroku account(free plan).
3. First log in to your github account and Fork [this repo](#)(a Project is called a Repo or Repository in Github way). Forking is a way by which we can take a **Public repo** to our own github account. See [this link](#) about how to do it.
4. Then log in to your Heroku account.
5. Go to Dashboard → New → Create New App..... and give a name to your app. Please make sure the name contains **staging** since we are deploying it to staging first.

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Personal

**The Heroku-18 stack is deprecated**  
You have 1 personal app that is using the Heroku-18 stack, which is deprecated. From April 30th, 2023, Heroku-18 will be end-of-life and no longer receive security updates. Please upgrade your app to a newer Heroku stack. [Visit here to learn more](#)

Filter apps and pipelines

covid-test-bd

Ruby • heroku-18 • Europe

New

- Create new app
- Create new pipeline

## Create New App

App name

staging-testing-app

staging-testing-app is available

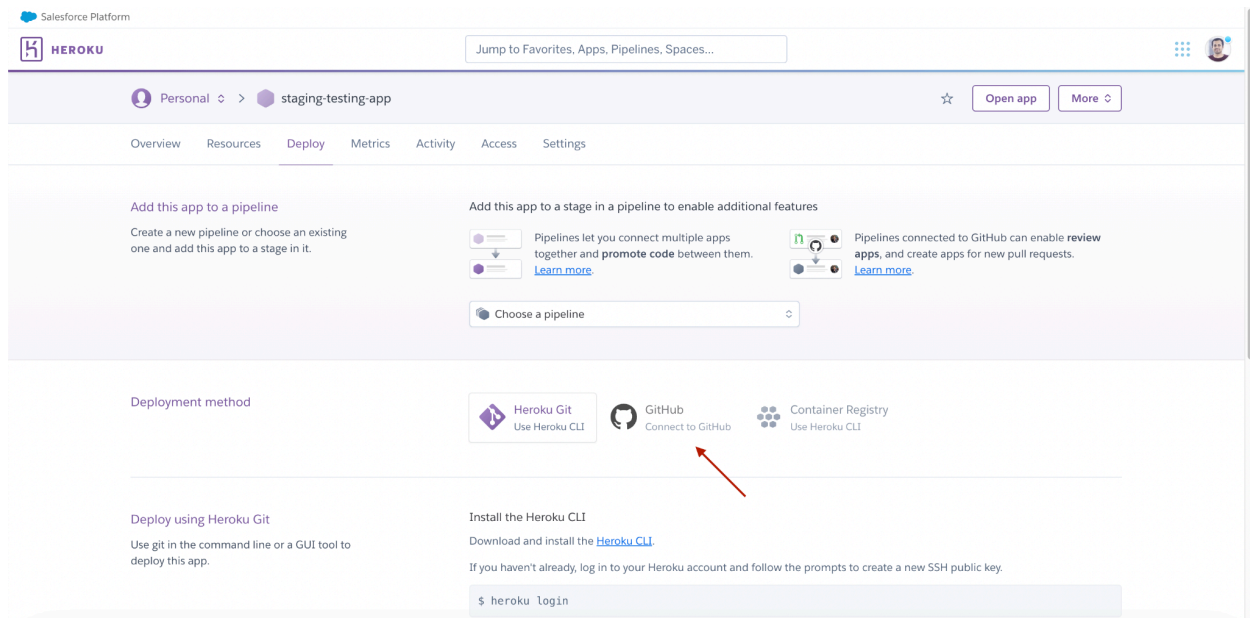
Choose a region

United States

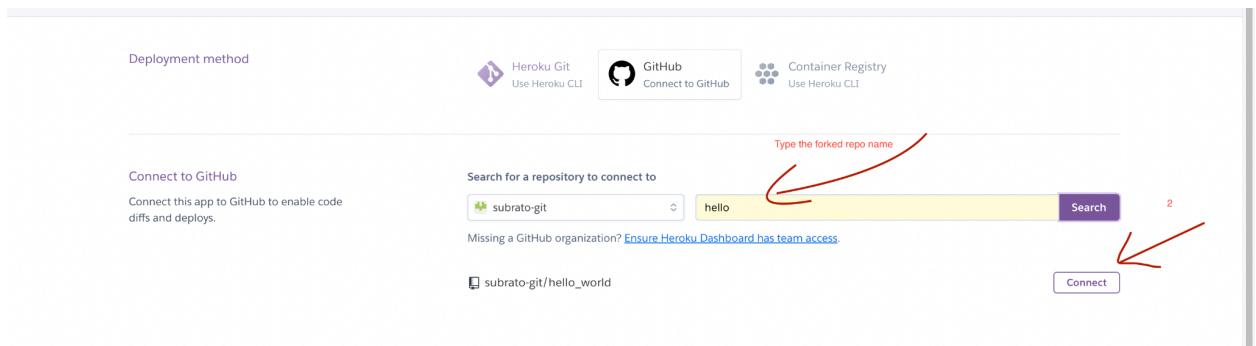
Add to pipeline...

Create app

6. Then you will be redirected to the following page. Click Connect to Github as shown in the SS. If you are connecting for the first time you will see a prompt to Authorize Heroku to use Github repo. Simply grant authorization.



7. Then connect the forked repo as shown in the below SS.



8. Then do the things that are listed in the following SS

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App connected to GitHub

Code diffs, manual and auto deploys are available for this app.

Connected to [subrato-git/hello\\_world](#) by [subrato-git](#) [Disconnect...](#)

Releases in the [activity feed](#) link to GitHub to view commit diffs

Automatic deploys

Enables a chosen branch to be automatically deployed to this app.

You can now change your main deploy branch from "master" to "main" for both manual and automatic deploys, please follow the instructions [here](#).

Enable automatic deploys from GitHub

Every push to the branch you specify here will deploy a new version of this app. **Deploys happen automatically:** be sure that this branch is always in a deployable state and any tests have passed before you push. [Learn more](#).

Choose a branch to deploy

main

☐ Wait for CI to pass before deploy

Only enable this option if you have a Continuous Integration service configured on your repo.

**Enable Automatic Deploys**

Manual deploy

Deploy the current state of a branch to this app.

Deploy a GitHub branch

This will deploy the current state of the branch you specify below. [Learn more](#).

Choose a branch to deploy

main

**Deploy Branch**

Step 1

Step 2

Step 3

9. Finally click the **view** to see the site running and share the url with me.

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Every push to `main` will deploy a new version of this app. **Deploys happen automatically:** be sure that this branch in GitHub is always in a deployable state and any tests have passed before you push. [Learn more](#).

☒ Wait for CI to pass before deploy

Only enable this option if you have a Continuous Integration service configured on your repo.

**Disable Automatic Deploys**

Manual deploy

Deploy the current state of a branch to this app.

Deploy a GitHub branch

This will deploy the current state of the branch you specify below. [Learn more](#).

Choose a branch to deploy

main

**Deploy Branch**

Receive code from GitHub ✓

Build `main` `d3a7ff2d` ✓

Release phase [Show release log](#) ✓

Deploy to Heroku ✓

Your app was successfully deployed.

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