Deploying to Heroku

Getting ready

Heroku will install the dependencies defined in package.json, so you need to make sure that they include all the libraries that you are using

1) Navigate to the root of your node/express project and remove the node_modules directory

2) In your package.json under scripts add a new command, start

```
"scripts": {
    "test": "echo \"Error: no test specified\" && exit 1",
    "start": "node index.js"
  }
```
Note: index.js refers to the starting/entry point of your node application, make sure it matches with your project

3) Add a new file called app.json under your project

```
{
   "name": "Start on Heroku: Node.js",
   "description": "My express project",
   "repository": "https://github.com/<your-user-name>/<your-repo-name>",
   "logo": "https://cdn.rawgit.com/heroku/node-js-getting-started/master/public/node.svg",
   "keywords": ["node", "express", "heroku"],
   "image": "heroku/nodejs"
}
```
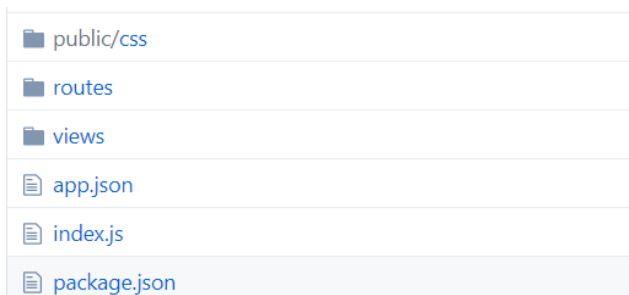The name/description/logo can be changed. The repository **must point to your github repo**

4) In the entry point for your app (assuming index.js), instead of hardcoding the port in the listen method, change to

```
app.listen(process.env.PORT || 3000);
```

Now you can push these changes to your repo, at this point your codebase may look similar to the image on the right
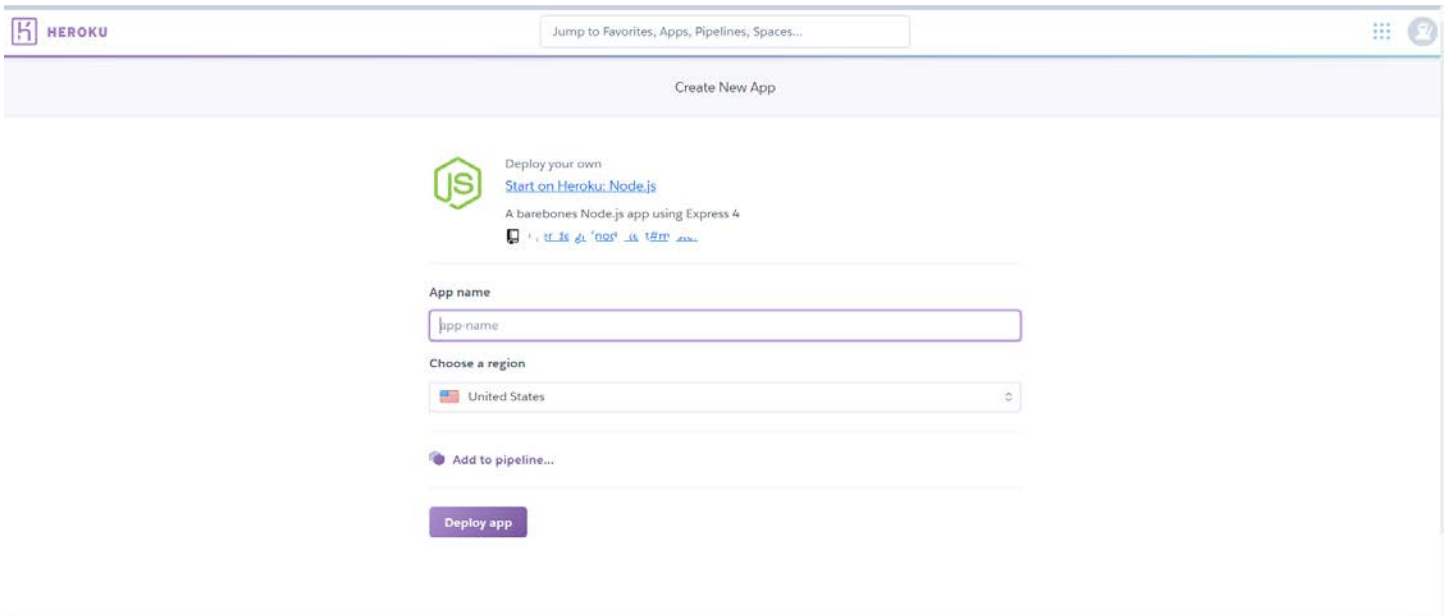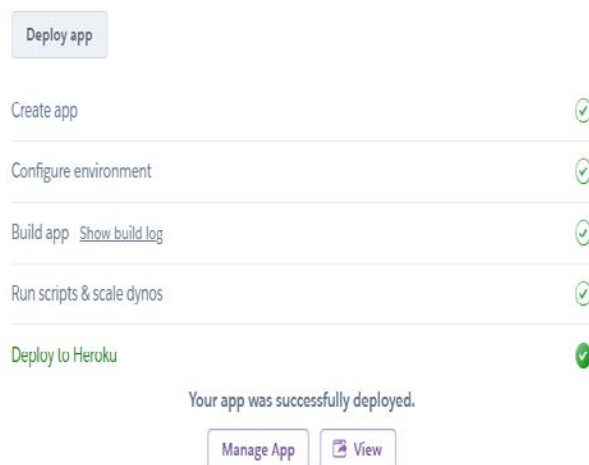
Or

https://github.com/heroku/node-js-getting-started

📁 public/css

📁 routes

📁 views

📄 app.json

📄 index.js

📄 package.json

Deploying

1) Start by creating a free account on [Heroku](#), make sure you choose Node.js as your development language

2) Once your account is created and verified, you can deploy your app by visiting the following link (of course, replace <YOUR-USER-NAME> / <YOUR-REPOSITORY-NAME> with your own):

```
https://heroku.com/deploy?template=https://github.com/<YOUR-USER-
NAME>/<YOUR-REPOSITORY-NAME>
```


Give your app a name and click "Deploy app"

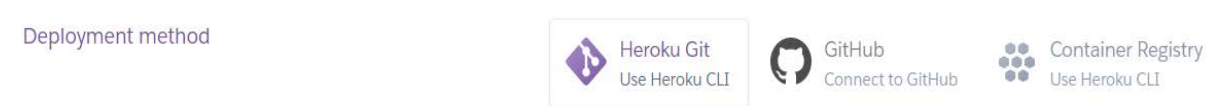3) When the deployment finishes, you should see "Your app was successfully deployed."
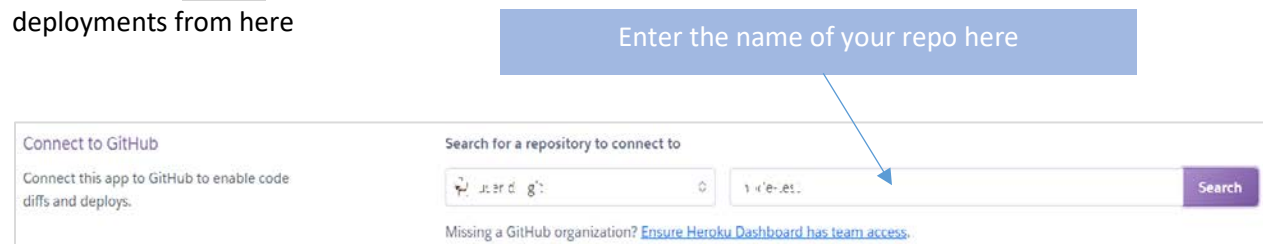

Click on View to launch your application

Moving forward for future deployments, click on Deploy

Overview   Resources   Deploy   Metrics   Activity   Access   Settings

You have three different options

Deployment method

Heroku Git
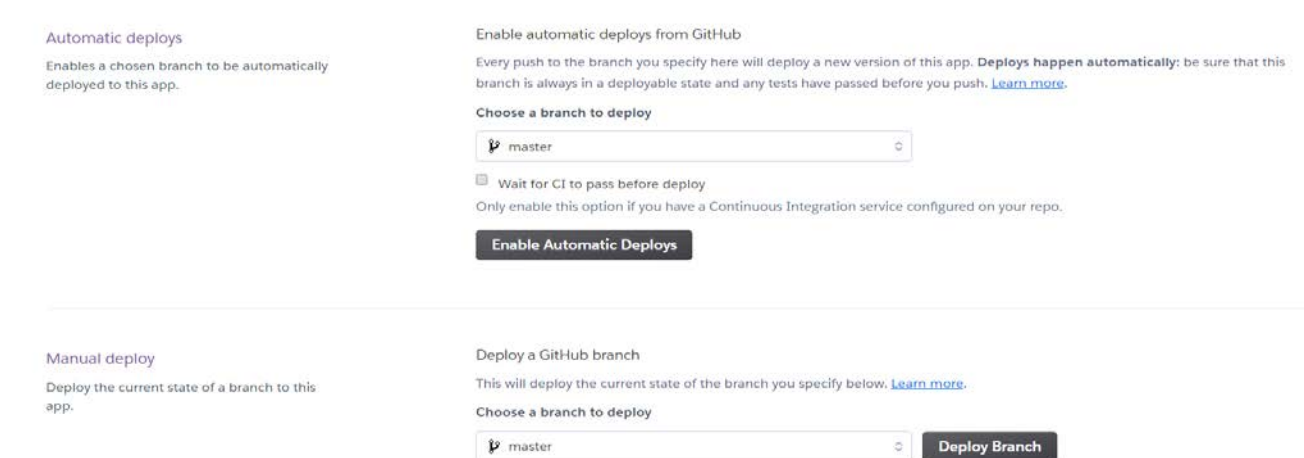Use Heroku CLI

GitHub
Connect to GitHub

Container Registry
Use Heroku CLI

If you click on GitHub you can directly link your repo to your Heroku account and then manage future deployments from here

Enter the name of your repo here

Connect to GitHub

Connect this app to GitHub to enable code diffs and deploys.

Search for a repository to connect to

Missing a GitHub organization? Ensure Heroku Dashboard has team access.

Search

Click on search, your repo should appear and then click 'Connect'

Connect

You will then be given options for automatic or manual deploy, you can choose based on your preference

Automatic deploys

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

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

master

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

master

Deploy Branch

Other
https://github.com/heroku/node-js-getting-started
https://devcenter.heroku.com/articles/getting-started-with-nodejs?singlepage=true#prepare-the-app