

Step 0: Preparing the site

Make sure your application's PORT is set to `process.env.PORT || 3000`. This makes sure Heroku can control the application's port number.

Make sure your `package.json` file includes a `"main"` directive and also includes all your required Node modules.

Make sure your application runs locally before deploying it.

```
{ } package.json ●  
  
1  {  
2    "name": "starwars-express",  
3    "version": "1.0.0",  
4    "description": "",  
5    "main": "server.js",  
6    "dependencies": {  
7      "body-parser": "^1.15.0",  
8      "express": "^4.13.4"  
9    },  
10   "devDependencies": {},
```

The `"main"` directive indicates to Heroku which file is the "entrance" to your program.

`"dependencies"` indicate which packages/modules Heroku needs to install for your app to work. (Remember that dependencies are only listed if they were installed using `npm install --save`)

Step 1: Set up Github repo

Next we're going to make a GitHub repo that we will connect to Heroku. Think of this as the storage location for our app's files.

Make a new public repo and make sure to add a Node .gitignore file.

Create a new repository

A repository contains all the files for your project, including the revision history.

The screenshot shows the GitHub 'Create a new repository' form. Red arrows highlight the following elements:

- Repository name:** 'StarWarsApp' with a green checkmark.
- Visibility:** 'Public' selected, with the description 'Anyone can see this repository. You choose who can commit.'
- Initialize this repository with a README:** This checkbox is unchecked.
- Add .gitignore:** 'Node' selected from the dropdown menu.
- Add a license:** 'None' selected from the dropdown menu.

The 'Create repository' button is at the bottom.

Then clone your new repo to your computer.

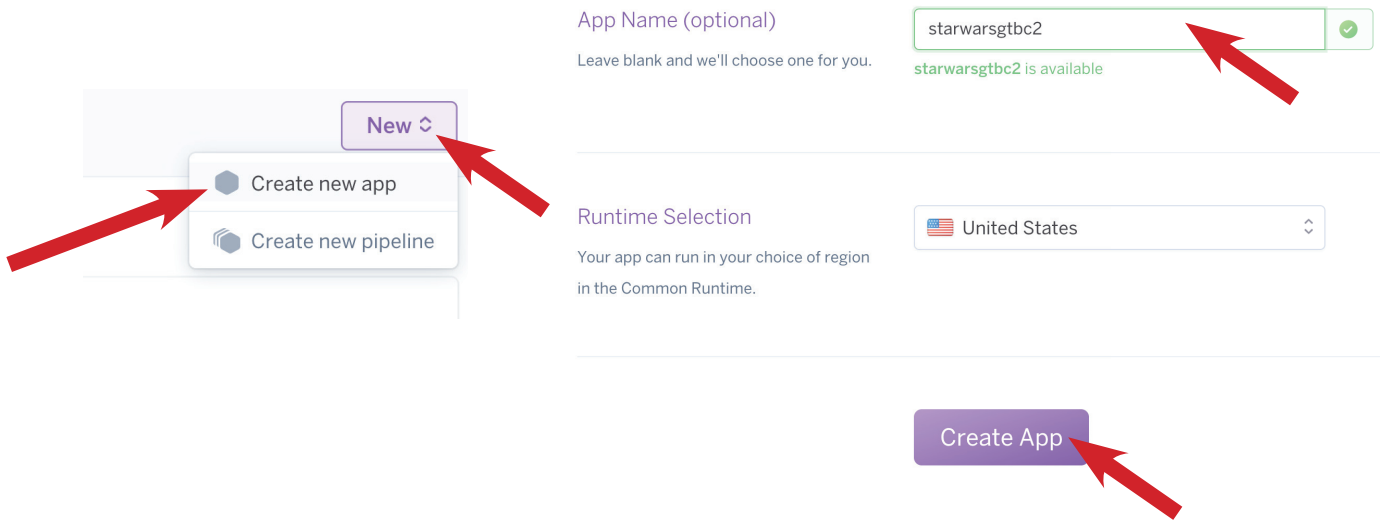
The screenshot shows the GitHub 'Clone or download' dropdown menu with the 'Clone with HTTPS' option selected. The URL `https://github.com/hannahpatellis/StarWarsApp.git` is displayed and copied. A red arrow points from this URL to a terminal window on the right.

The terminal window shows the following commands and output:

```
hannah@lawn-143-215-63-172 ~/Desktop$ git clone https://github.com/hannahpatellis/StarWarsApp.git
Cloning into 'StarWarsApp'...
remote: Counting objects: 3, done.
remote: Compressing objects: 100% (2/2), done.
remote: Total 3 (delta 0), reused 0 (delta 0), pack-reused 0
Unpacking objects: 100% (3/3), done.
hannah@lawn-143-215-63-172 ~/Desktop$ cd StarWarsApp
```

Step 2: Setting up your Heroku app

Go to heroku.com and create a new app. Give it a name and create it.



The screenshot shows the Heroku 'New' button dropdown menu on the left, with red arrows pointing to the 'New' button and the 'Create new app' option. On the right, the 'Create new app' form is shown. The 'App Name (optional)' field contains 'starwarsgtbc2' with a green checkmark and a red arrow pointing to it. Below the field, it says 'starwarsgtbc2 is available'. The 'Runtime Selection' dropdown is set to 'United States'. At the bottom, a red arrow points to the 'Create App' button.

App Name (optional)
Leave blank and we'll choose one for you.

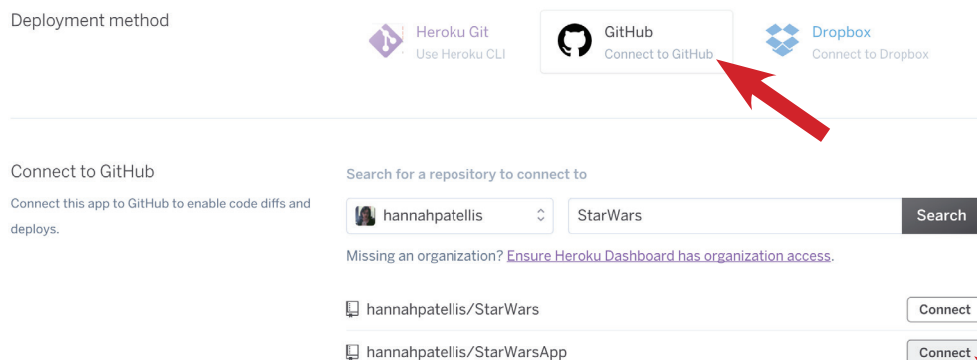
starwarsgtbc2 ✓
starwarsgtbc2 is available

Runtime Selection
Your app can run in your choice of region in the Common Runtime.

United States

Create App

After creating your app, Heroku should open to the “Deploy” tab. Select “GitHub” as the deployment method and search for the GitHub repo you created in step 1 and connect it to your Heroku app.



The screenshot shows the Heroku 'Deploy' tab. Under 'Deployment method', the 'GitHub' option is selected with a red arrow pointing to it. Below, the 'Connect to GitHub' section shows a search for a repository. The search results list 'hannahpatellis/StarWars' and 'hannahpatellis/StarWarsApp', both with red arrows pointing to their respective 'Connect' buttons.

Deployment method

Heroku Git Use Heroku CLI

GitHub Connect to GitHub

Dropbox Connect to Dropbox

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

Search for a repository to connect to

hannahpatellis StarWars Search

Missing an organization? [Ensure Heroku Dashboard has organization access.](#)

hannahpatellis/StarWars Connect

hannahpatellis/StarWarsApp Connect

After connecting your app to your repo, select “Enable Automatic Deploys.” This will automatically deploy your app to Heroku every time you push to your master branch of your GitHub repo.

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.](#)

🔑 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

Step 3: Push to GitHub + deploy to Heroku

Copy your app into your GitHub repo folder you cloned in step 1 and the push to GitHub. By pushing to GitHub you will also automatically deploy to Heroku.

Once you’ve pushed, you can visit the “Overview” tab on your Heroku app. You can see Heroku building your app.

Latest activity

All Activity

hpatellis@icloud.com: Build in progress
less than a minute ago • [View build progress](#)

After a short period of time, you should see that the build was successful and that the application was deployed.

Latest activity

All Activity

hpatellis@icloud.com: Deployed 67c26020
less than a minute ago • v3

hpatellis@icloud.com: Build succeeded
less than a minute ago • [View build log](#)

Click “Open App” in Heroku to visit your app. The URL will be the name of the Heroku app then herokuapp.com. For example, **starwarsgtbc2.herokuapp.com**

