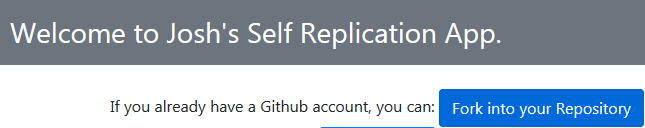
Josh's Self Replicating App

Intro

The Self Replicating App is a simple app that offers a web interface for users to copy its own code into a user's GitHub repository via the GitHub API. Once copied, the user can follow the steps in this document to get their own instance of the Self Replicating app running at a new URL by deploying the code into a new Heroku app.

Part 1: Forking into your Repository

The first part of the app is a web interface that allows a user to copy the Self Replicating App by clicking a button.

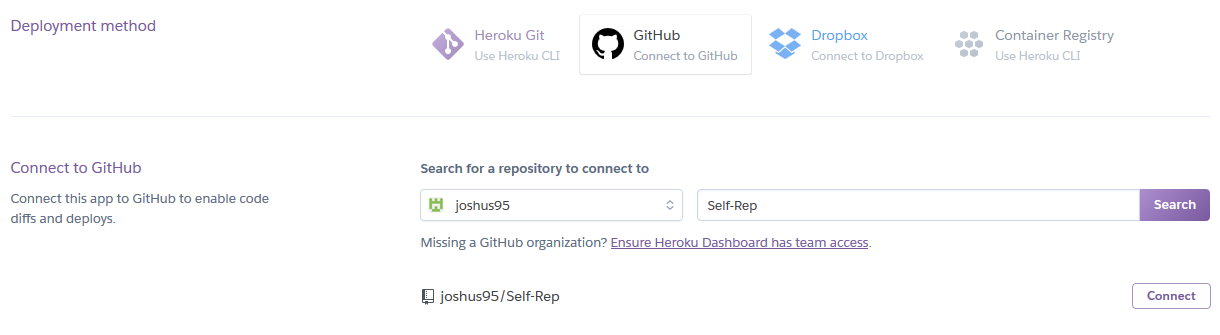
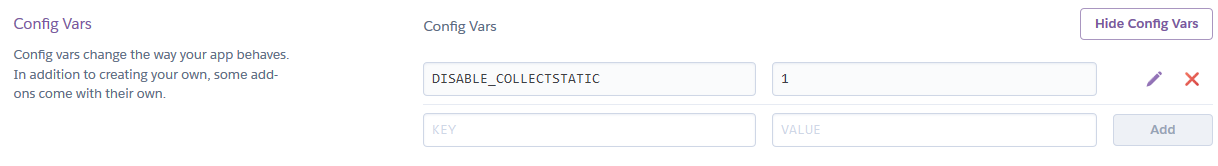
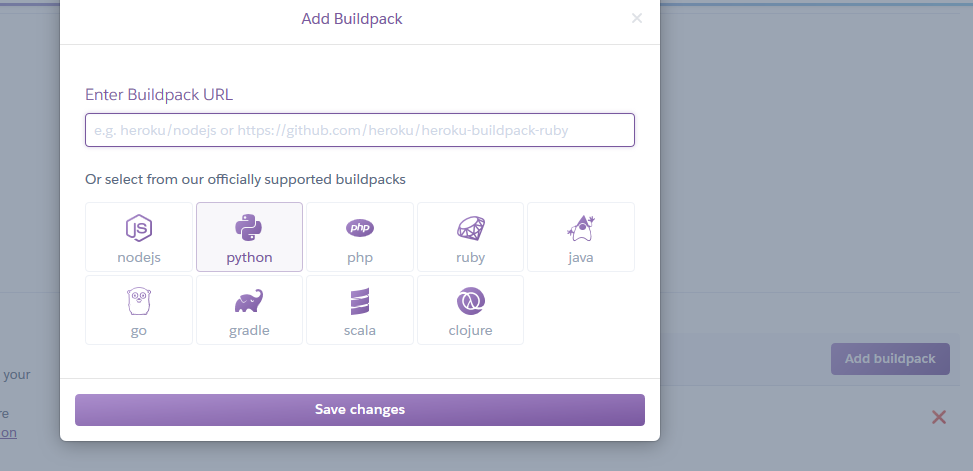


The user will be prompted to allow access into their GitHub account. If successful, the app uses the GitHub API to fork a copy of the Self Replication app into their repositories.

The an easy and free way to spin up a second instance of the Self-Rep app is by creating a new Heroku app for it.

Step 2: Hosting the app at a new URL

I have decided that, since my app is built using Django, hosting it as a Heroku app would be the easiest way for a person without much technical knowledge to set up an instance of the app. Also, it is free. Detailed below are the steps to do so:

1. Go to: <https://signup.heroku.com/login>
2. Fill in the information fields, register an email, and sign up for a Heroku account
3. Once logged into your new account, go to: <https://dashboard.heroku.com/new-app>
4. Select a name for your app and click "Create App". Whatever name you pick here will be used as t part of the URL for the app.
5. On the next page, under "Deployment Method", click "GitHub". Then click, "Connect to GitHub". A popup, will appear asking for authorization. Click "Authorize Heroku"
6. In the "Connect to Github" section, type in the "Self-Rep" to search for the self replicating repository and click "connect"
7. To make the process as simple and streamlined as possible, we will not configure our Heroku app to serve static files. By default, the Heroku app will attempt to run a collect static command upon deployment, which will cause an error. Disable this from the by clicking "settings" while in the Heroku dashboard, and then the "Reveal Config Vars" button.Add " DISABLE\_COLLECTSTATIC" with a value of "1" as a new Config Var.
8. While you are in the "settings" section, add the Python Buildpack. Do this by scrolling to the " Buildpacks" section and clicking "Add Buildpack". Select "python" and save changes.
9. Click "Deploy" from the dashboard menu. Scroll down to the Manual Deploy section and click "Deploy Branch"

Congratulations! You should now have a new instance of the Self Replicating App running!

Step 3: Using your own GitHub Client ID

At this point, you may notice that the replicated version of the app is not completely standalone. When a user uses the "fork" button on your replicated app, the request will get routed through the original instance of the Self Replication App to handle the request. Step 3 is an optional step that you can go through to make your replicated version of the Self Replicating App completely standalone.