

Week 5: Cloud and API Deployment

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Batch code: LISUM23: 30

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Submitted pdf to: https://github.com/YuhengCh/DG_Intern/tree/main/Week5

Deployment from : https://github.com/YuhengCh/Heroku_Deployment

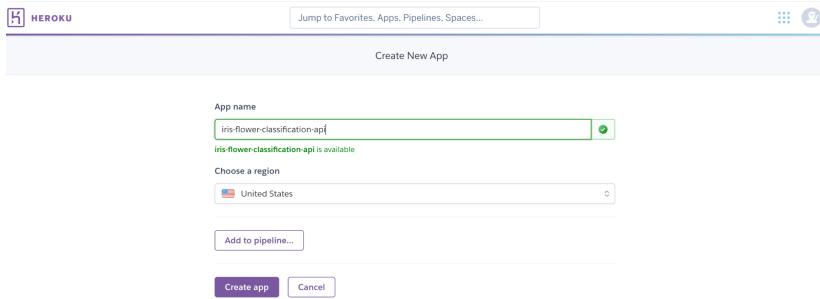
I used the simple model and data from week 4 and have uploaded to week5 folder in github.I used the repository from heroku_deployment and connected it to heroku. These are the files in the heroku_deployment repository:

The screenshot shows a GitHub repository page for 'Heroku_Deployment'. At the top, there are buttons for 'Pin' and 'Unwatch 1'. Below that, there are buttons for 'Go to file', 'Add file', and 'Code'. The repository has 1 branch and 0 tags. The main commit is by 'YuhengCh' titled 'Update requirements.txt' at 'f15dcbe' 12 minutes ago, with 11 commits. The commit history lists various files: static, templates, LICENSE, Procfile, README.md, Simple Model.py, app.py, model_iris.pkl, and requirements.txt, all added via upload or updated/rename. Below the commit table is a 'README.md' file containing the text: 'Heroku Deployment'.

Snapshot of each step of deployment:

1. create a new app and add a name to the app in Heroku after registering and signing in.

The screenshot shows the Heroku web interface. It features a purple 'Welcome to Heroku' banner with the text 'Now that your account has been set up, here's how to get started.' Below the banner, there are two main calls-to-action: 'Create a new app' and 'Create a team'. The 'Create a new app' section includes a sub-section for 'Looking for help getting started with your language?' with links to Dev Center guides for various languages like Node.js, Ruby, Java, PHP, Python, Go, Scala, and Clojure. At the bottom, there is a note: 'You can learn more and get started with Heroku in the [Heroku Dev Center](#)'.



2. Connected the app to my github- heroku_deployment

The screenshot shows the Heroku app dashboard for the app 'iris-flower-classification-api'. At the top, there's a navigation bar with 'Personal' and 'iris-flower-classification-api'. Below it, a menu bar includes 'Overview', 'Resources', 'Deploy', 'Metrics', 'Activity', 'Access', and 'Settings'.

The main content area has two main sections:

- Add this app to a pipeline:** A section for creating a new pipeline or connecting to an existing one. It includes a dropdown menu labeled 'Choose a pipeline'.
- Add this app to a stage in a pipeline to enable additional features:** A section explaining pipelines and their benefits, with a 'Learn more' link.

Deployment method: Options include 'Heroku Git' (using Heroku CLI), 'GitHub Connect to GitHub' (selected), and 'Container Registry' (using Heroku CLI).

Connect to GitHub: A section for connecting the app to GitHub to enable code diffs and deploys. It includes a 'Search for a repository to connect to' field containing 'YuhengCh' and 'Heroku_Deployment', a 'Search' button, and a 'Connect' button.

Missing a GitHub organization? [Ensure Heroku Dashboard has team access](#).

Salesforce Platform

HEROKU

Jump to Favorites, Apps, Pipelines, Spaces...

Personal > iris-flower-classification-api

GitHub YuhengCh/Heroku_Deployment

Open app More

Overview Resources Deploy Metrics Activity Access Settings

Add this app to a pipeline

Create a new pipeline or choose an existing one and add this app to a stage in it.

Add this app to a stage in a pipeline to enable additional features

Pipelines let you connect multiple apps together and promote code between them. Learn more.

Pipelines connected to GitHub can enable review apps, and create apps for new pull requests. Learn more.

Choose a pipeline

Deployment method

Heroku Git Use Heroku CLI GitHub Connected Container Registry Use Heroku CLI

App connected to GitHub

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

Connected to YuhengCh/Heroku_Deployment by YuhengCh 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

3. Get url link from the build log:

<https://iris-flower-classification-api-4f5760fa7181.herokuapp.com/>

4. view the app

