

Heroku Deployment Report

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Introduction

This document outlines the steps taken to deploy a Flask application on Heroku. The application is a simple web app and API for predicting Iris flower species.

Step 1: Prepare Your Flask App

The project structure and necessary files were organized as shown below.

- `app.py`
- `requirements.txt`
- `Procfile`
- `runtime.txt`
- `iris_model.pkl`
- `templates/index.html`

Step 2: Create a Heroku Account and Install the Heroku CLI

Step 3: Deploy the App to Heroku

Login to Heroku

```
heroku login
```

Create a New Heroku App

```
heroku create my-flask-iris-app
```

Initialize a Git Repository and Commit Your Code

```
git init
git add .
git commit -m "Initial commit"
```

Deploy to Heroku

```
git push heroku master
```

Open Your Deployed App

```
heroku open
```

Conclusion

The Flask application was successfully deployed on Heroku, providing both a web interface and an API endpoint for predictions. This report outlines the steps and provides snapshots for each major part of the deployment process.