

Xt-EHR T7.2 Sub-team for Imaging Reports Model

Xt-EHR Analysis Platform

Document: HEROKU_QUICKSTART

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Analysis based on PARROT v1.0 dataset and Xt-EHR FHIR Implementation Guide

Heroku Deployment Quick Start

Essential Config Vars for Heroku

Set these environment variables in your Heroku app dashboard or via CLI:

```
```bash
```

### Required for Flask

```
heroku config:set SECRET_KEY="your-secret-key-here" heroku config:set FLASK_ENV="production" heroku config:set DEBUG="false"
```

## Optional for custom behavior

```
heroku config:set FLASK_RUN_HOST="0.0.0.0" heroku config:set FLASK_RUN_PORT="5000" ``
```

### Important: Gunicorn vs Flask Development Server

**For Local Development (Windows):** ``bash cd flask\_app && python app.py

## Uses Flask development server (<http://127.0.0.1:5000>)

``

**For Production (Heroku/Linux):** ``bash

**Heroku automatically runs: gunicorn --bind 0.0.0.0:\$PORT app:app**

## Uses Gunicorn production server (much faster and more reliable)

...

**Note:** Gunicorn doesn't work on Windows - this is normal! Heroku's Linux servers run Gunicorn perfectly.

### Generate Your SECRET\_KEY

Run this in your terminal to generate a secure secret key:

```
python python -c "import secrets; print(secrets.token_hex(32))"
```

Copy the output and use it as your SECRET\_KEY.

### Deploy Commands

```
```bash
```

Login to Heroku (if not already)

```
heroku login
```

Create app (replace with your app name)

```
heroku create sub-team-imaging-report-model
```

Set git remote

```
heroku git:remote -a sub-team-imaging-report-model
```

Set config vars

```
heroku config:set SECRET_KEY="paste-your-generated-key-here" heroku config:set FLASK_ENV="production" heroku config:set DEBUG="false"
```

Deploy

```
git push heroku main
```

Open your app

```
heroku open ``
```

Check Status

```
``bash
```

View logs

```
heroku logs --tail
```

Check config

```
heroku config
```

Check app status

```
heroku ps ``
```

Your app will be available at:

<https://sub-team-imaging-report-model.herokuapp.com>

Files Already Configured:

■ Procfile - Heroku process definition - ■ requirements.txt - Dependencies with gunicorn - ■ flask_app/config.py - Environment configuration - ■ flask_app/app.py - Production-ready Flask app - ■ .gitignore - Clean repository for deployment