

Technical Deployment Guide

Target Environment: Linux / DreamHost Shared Hosting **Language:** Python 3.10+

1. Server Prerequisites

The following must be installed on the server:

- **Python 3.10** or higher.
- **FFmpeg** (Required for video processing).
 - *To check:* Run `which ffmpeg` in the terminal.

2. Installation Steps (DreamHost)

1. **Upload Files:** Upload the entire project folder to your domain directory.
2. **Enable Passenger:**
 - Go to DreamHost Panel > Websites > Manage Websites > Web Options.
 - Enable "**Passenger (Ruby/Python/Node)**".
3. **Install Dependencies:**
 - SSH into the server.
 - Run: `pip install -r requirements.txt` inside your project folder.
4. **Configure Passenger:**
 - Ensure the `passenger_wsgi.py` file (included in the delivery) is in the root folder.

3. Setting up the Background Worker

The web app handles uploads, but a background process creates the videos. This must be set up as a **Cron Job**.

1. Go to **Advanced > Cron Jobs** in your hosting panel.
2. Create a new Cron Job:
 - **Command:** `cd /home/YOUR_USER/your-site.com && python3 worker.py`
 - **Frequency:** Custom -> `*/2` (Every 2 minutes).

4. Local Testing

To run on your own computer:

1. Terminal 1: `python app.py`
2. Terminal 2: `python worker.py`
3. Visit `http://127.0.0.1:5000`

