Annotated Deployment Guide - Flask on Ubuntu

Step 1: Update the Server

sudo apt update

Explanation: Updates the package list to make sure you install the latest versions of packages.

Step 2: Install Python & Build Tools

sudo apt install -y python3 python3-pip python3-venv g++ build-essential python3-dev libmariadb-dev dh-python

Explanation: Installs Python 3, pip, virtual environment support, and essential build tools required for compiling and running your Flask app.

Step 3: Set Up Your Flask App Directory

mkdir ~/daniyel_app && cd ~/daniyel_app

python3 -m venv venv

source venv/bin/activate

Explanation: Creates a project folder and a virtual environment to isolate your Flask app's dependencies.

Step 4: Install Flask

pip install flask

Explanation: Installs the Flask web framework inside the virtual environment.

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