Steps to Create a Flask API Service

Step 1: Setup Project Directory

1. Create a folder with a convenient name (e.g., `test_flask_api`).

2. Copy all required files into this folder, including:

   - Application file (e.g., `app.py`)
   - requirements.txt
   - Any other dependent files for your project.

Step 2: Setup Virtual Environment

1. Open the command prompt.
2. Install `virtualenv` using the following command:

   - pip install virtualenv

3. Create a virtual environment with the command:

   - python -m venv environment_name [Note: Replace `environment_name` with your desired name (e.g., `myenv`)]

4. Activate the virtual environment:

   - myenv\Scripts\activate

Step 3: Install Required Packages

1. Install the packages listed in `requirements.txt`:

   - pip install -U -r requirements.txt

Step 4: Test the Application Locally

1. Run the application to check if it works properly:

   - python app_name.py [Note: Replace `app_name.py` with your application's filename.]

Step 5: Create a Batch File to Run the Server

1. Create a batch file (e.g., `run_server.bat`).
2. Add the following code to the batch file:

```
@echo off
cd D:\Prompt\test  [Path to your Flask app]
call myenv\Scripts\activate
set "FLASK_APP=app.py"  [Replace with your processing file]
set "FLASK_ENV=production"
python -m flask run --host=0.0.0.0 --port=2000 > flask_output.log 2>&1
```

3. Save the batch file in the same directory as your application.
   Note: Adjust the `host` and `port` according to your requirements.

Step 6: Create a Service to Run the Application Continuously

1. Download NSSM (Non-Sucking Service Manager) from NSSM Download: https://nssm.cc/download
2. Unzip the downloaded file and place it in `C:\` drive.
3. Open the command prompt as an administrator.
4. Navigate to the NSSM directory:

   ● cd C:\nssm-2.24\win32

5. Install the service with the following command:

   ● nssm install service_name "D:\Prompt\test\run_server.bat"

     - Replace `service_name` with your desired service name.
     - Adjust the file path to your batch file as needed.

6. Start the service:

   ● nssm restart service_name