```dockerfile
# ==================================
# Use an official Python runtime as a parent image

FROM python:3.11-slim


# Set environment variables

ENV PYTHONDONTWRITEBYTECODE 1

ENV PYTHONUNBUFFERED 1


# Set the working directory in the container

WORKDIR /usr/src/swarms



# Install Python dependencies
# COPY requirements.txt and pyproject.toml if you're using poetry for dependency management

COPY requirements.txt .

RUN pip install --upgrade pip

RUN pip install --no-cache-dir -r requirements.txt


# Install the 'swarms' package, assuming it's available on PyPI

RUN pip install -U swarms


# Copy the rest of the application

COPY . .


# Expose port if your application has a web interface
```

```
# EXPOSE 5000


# # Define environment variable for the swarm to work

# ENV OPENAI_API_KEY=your_swarm_api_key_here


# If you're using `CMD` to execute a Python script, make sure it's executable

# RUN chmod +x example.py
```