

## Build and Deploy Steps

Obtain an API Key from " <https://platform.openai.com/api-keys>", then follow these steps to set up and run the software:

1. Clone the repository:

```
git clone https://github.com/amosproj/amos2023ws05-pipeline-config-chat-ai.git
```

2. Install the required dependencies:

```
pip install -r requirements.txt
```

3. To run the software without Docker:

- Modify the variable "root\_dir" in the "LLMModel.py" file to your pipelines folder path within the 'RAG' folder. Example:

```
root_dir = 'C:\\\\Users\\lynda\\OneDrive\\Bureau\\pc\\amos2023ws05-pipeline-config-chat-ai\\src\\RAG\\pipelines'
```

- Navigate to the 'ChatUI\_streamlit' directory:

```
cd.\src\ChatUI_streamlit\
```

- Run the Streamlit app:

```
streamlit run app.py
```

4. To run it with Docker:

- Modify the variable 'root\_dir' in the "LLMModel.py" file to 'RAG'.

```
root_dir = 'RAG'
```

- Build the Docker image:

```
docker build -t my-streamlit-app .
```

- Run the Docker container:

```
docker run -p 8501:8501my-streamlit-app
```