

SemantiQ AI

License MIT status active backend Laravel frontend React docker ready maintained yes
repo size 4.7 MiB last commit today

SemantiQ AI is an intelligent document analysis system that integrates artificial intelligence to extract information and answer questions based on documents uploaded by users. Using a **Retrieval-Augmented Generation (RAG)** system, the project combines information retrieval with text generation to provide more precise and context-aware responses. The main goal is to optimize document query and management in academic and business environments, facilitating automated access to information.

Installation

Requirements

- Docker and Docker Compose installed.
- (Optional) make installed for faster commands.

Installation Steps

1. Clone the repository

```
git clone https://github.com/looreenz/SemantiQ-AI.git
```

2. Enter the repository

```
cd SemantiQ-AI
```

3. Copy environment files content

- Copy the agent-api/.env.exemple file content into a agent-api/.env file
- Copy the frontend/.env.exemple file content into a frontend/.env file

4. Run Docker Compose

```
cd Docker  
docker-compose up --build -d
```

If you have make installed, you can run the following command instead:

```
make up-build
```

You can check the `Makefile` in the `Docker` folder for more shortcuts.

5. Install dependencies

- Go to `frontend` repository and run `npm install`
- Got to `agent-api` repository and run `composer install`

6. Generate OpenAI API key

- Visit the [OpenAI API platform](#) and generate an API key

7. Generate Google credentials to use OAuth2 authentication

- Visit [Google Cloud Console](#) and generate `GOOGLE_CLIENT_ID` and `GOOGLE_CLIENT_SECRET`
- Copy the two tokens into `agent-api/.env`

8. Access the application

- Frontend: <http://localhost:5173>
- phpMyAdmin: <http://localhost:8080>

You can now start using the application. Enjoy the development!