amosproj /
amos2024ws02-backup-metadata-analyzer

Code   Issues 56   Pull requests   Discussions   Actions   Projects

Build Documentation

Edit   New page   Jump to bottom

Dirk Engelhard edited this page now · 3 revisions

Build and technical documentation

Software architecture description

Using docker

1. **Clone the repository**:

   ```
   git clone https://github.com/amosproj/amos2024ws02-backup-metadata-anal .
   ```

2. **Change directory**:

   ```
   cd ./amos2024ws02-backup-metadata-analyzer/
   ```

3. **Setup .env files**:

   ```
   cp .env.docker.example .env.docker
   ```

4. **Copy database dump into project**:

   Copy the database dump .dmp file in the projects root folder and rename it to **db_dump.sql**

5. **Clean Docker node_modules**:

   ```
   docker volume rm amos2024ws02-backup-metadata-analyzer_mono-node-module
   ```

6. **Build and start Docker container**:

   ```
   docker compose --env-file .env.docker up --build
   ```

7. **Stop Docker Container**:

   ```
   docker compose --env-file .env.docker down
   ```

Local setup

Prerequisites

Make sure the following are installed on your machine:

- **Node 20**
- **Docker**
- **Docker Compose**

Basic setup:

```
npm ci
cd ./apps/analyzer/metadata_analyzer ; poetry install
```

- `npm ci` : dependency install

- copy `.env.example` file in backend and rename to `.env` (adjust database properties according to database setup if necessary)

- copy `.env.example` file in analyzer and rename to `.env` (adjust port properties according to backend setup if necessary)

Running the code locally:

- `npm run be` : run backend individually
- `npm run fe` : run frontend individually
- `npm run py` : run python app
- `npm run all` : run backend, frontend and python module

Generating database migrations:

- the entity files need to be annotated with `@Entity(<table-name>)`
- append the entity file to the `entities` array in `db-config.service.ts`
- run the following command to generate a migration file:
  - `nx run metadata-analyzer-backend:migrations:generate --name <migration-name>`
- append the generated file to the `migrations` array in `db-config.service.ts`

Running tests

- backend: `nx run metadata-analyzer-backend:test`
- frontend: `nx run metadata-analyzer-frontend:test`
- python: `nx run metadata-analyzer:test`

Mailing

Mailing

Fill the `.env` file with the mailing information Hint: For gmail you have to generate an app password, which you have to use as password in the `.env` file For changes in templates being used, you have to restart the backend

Installing new dependencies

in python app

When working with python dependencies, first cd into the `analyzer` folder.

Install a new dependency

```
poetry add <dependency-name>
```

Remove a dependency

```
poetry remove <dependency-name>
```

+ Add a custom footer

▾ **Pages** 4

Find a page...

▸ **Home**

▾ **Build Documentation**

    Build and technical documentation

      Using docker

      Local setup

        Prerequisites

        Basic setup:

        Running the code locally:

        Generating database migrations:

▸ **Design documentation**

▸ **User documentation**

+ Add a custom sidebar

Clone this wiki locally

```
https://github.com/amosproj/amos2024ws02-backup-metadata-analyzer.wiki.git
```