



amosproj /
amos2024ws02-backup-metadata-analyzer



[Code](#) [Issues](#) 53 [Pull requests](#) [Discussions](#) [Actions](#) [Projects](#)

Build Documentation

Edit

New page

[Jump to bottom](#)

Dirk Engelhard edited this page 38 minutes ago · [2 revisions](#)

Build and technical documentation

Software architecture description

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

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

▸ Home

▼ Build Documentation

Build and technical documentation

Basic setup:

Running the code locally:

Generating database migrations:

Running tests

Mailing

Installing new dependencies

in python app

Install a new dependency

Remove a dependency

▸ **Design documentation**

▸ **User documentation**

+ Add a custom sidebar

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