

# **Build Documentation**

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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:
  - o nx run metadata-analyzer-backend:migrations:generate --name <migrationname>
- 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 <code>.env</code> file with the mailing information Hint: For gmail you have to generate an app password, which you have to use as password in the <code>.env</code> file For changes in templates being used, you have to restart the backend

# **Installing new dependencies**

## in python app

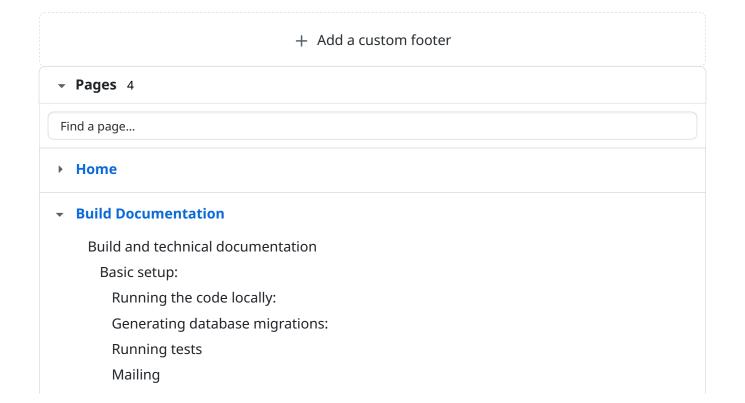
When working with python dependencies, first cd into the analyzer folder.

#### Install a new dependency

poetry add <dependency-name>

#### Remove a dependency

poetry remove <dependency-name>



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	Installing new dependencies in python app
	Install a new dependency
	Remove a dependency
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•	User documentation
	+ Add a custom sidebar

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