

Build and Deploy Documentation

You can find the current Build-Documentation in our github wiki here:

<https://github.com/amosproj/amos2023ss01-apache-pulsar-ui/wiki/Build-Documentation>

To meet the requirements of the sprint, we also transformed the state of the wiki from 14.07.2023 to this pdf.

Requirements

- Java Version **17.0.1** or higher
- Node.js Version **20.0.0** or higher
- Docker Desktop

Startup

First, build the application JAR from the **backend** directory with:

```
./mvnw package -DskipTests
```

Start Frontend, Backend and Pulsar instance without demodata

Start Docker Desktop and create the pulsar setup from the root-directory with:

```
echo BACKEND_IP=localhost >> .env
```

```
docker-compose --profile backend --profile frontend up --build -d
```

Start Frontend, Backend and Pulsar instance with demodata

Start Docker Desktop and create the pulsar setup from the root-directory with:

```
echo BACKEND_IP=localhost >> .env
```

```
docker-compose --profile backend --profile frontend --profile demodata -f docker-compose.yml -f docker-compose-setup.yml up --build -d
```

Notes:

- The **docker-compose.yml** includes the pulsar, backend and frontend services.
- The **docker-compose-setup.yml** includes services for the local demodata setup. **-f** selects the files used for the startup.

- `--build` is needed for the first startup, or when the demodata docker images are changed
- `-d` runs the container in the background, so u can close the terminal without terminating the app itself.
- `--profile demodata` is needed when you want to create the demo topology and start the demo producers & consumers, that will continuously send and receive messages
- `--profile backend` is needed when you want to start the backend via the docker-compose setup. See below for starting it manually.
- `--profile frontend` is needed when you want to start the frontend via the docker-compose setup.