



# LinkedTek

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T10-SWA - Advanced Cloud

## « Advanced Cloud »

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Deployment procedure



## Introduction

The aim of this deployment procedure specification is to present the technical elements and procedure to built and use the **LikedTek** project.

### 1. Frontend deployment procedure

The following deployment procedure had been made for an Ubuntu 18.04 operating system.

#### A. Software packages and versions requirements

The frontend part of the LinkedTek project had been made using the JavaScript language and a JavaScript framework : React. This framework uses node.js technology. To be fully compliant to the project requirements, we had to add some packages to the project.

Here is a list of packages used and frameworks versions requirements.

- Node.js 11.2.0
- React 16.8.4
- React DOM 16.8.4
- React-dropdown 1.6.4
- React-awesome-modal 2.0.5
- React-scripts 2.1.8
- Material-Ui core 3.9.2
- Material-UI icons 3.0.2
- Axios 0.18

#### B. Deployment procedure

In order to deploy the LinkedTek project, clone the project from the GitHub repository available at this address : <https://github.com/belzeme/LinkedTek-frontend>. Please make sure that you have the authorization to clone this repository.

Go to the LinkedTek frontend folder: **/LinkedTek-Frontend/linkedtek-front-end** and run the following command: **npm start**.

The frontend of LinkedTek project is now available at this address: **localhost:3000**



## 2. Backend deployment procedure

The following deployment procedure had been made for an Ubuntu 18.04 operating system.

### A. Software packages and versions requirements

The back-end part of the LinkedTek project is composed of containerized micro-services. Hence to run the LinkedTek back-end you will need the following software:

- Docker CE 18.09.5
- Docker-compose 1.21.0

### B. Deployment procedure

In order to deploy the LinkedTek project, clone the project from the GitHub repository available at this address : <https://github.com/belzeme/LinkedTek-backend>. Please make sure that you have the authorization to clone this repository.

Go to the LinkedTek backend folder: **/LinkedTek-Backend** and run the following command:

**\$> docker-compose up --build**

In order to initialize the database you will have to run the following command, once the containers are up and running.

**\$> ./scripts/init\_db.sh -i**

The back-end gateway is now available at this address: **localhost:3010** by default.