

# Lean Dashboard - Organization Description

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**Github Repository:** <https://github.com/zepedros/lean-dashboard>

## 1 Application Back-end

In order to run the Back-end of the application it is first necessary to have installed NodeJS, PostgreSQL, Postman and Elasticsearch. After that, it should be possible to run the application by following these instructions:

- Step 1: Run Elasticsearch on your machine
- Step 2: Setup .env file for the database. This file should be located in `lean-dashboard\code\js`. In this file you setup details of the database being used such as the host, port, user and password (see our example below)
- Step 3: Run PostgreSQL service on your machine
- Step 4: Open Postman and import the collection for the API located on `lean-dashboard\code\LeanDashboard.postman_collection.json`
- Step 5: Open directory `lean-dashboard\code\js`
- Step 6: Open the terminal and run the command **`npm install package.json`**
- Step 7: Run the command **`npm lean\lean-server.js`** to start the application

Example of .env file:

```
HOST= localhost
DB_PORT= 5432
DB_USER= postgres
DB_PASSWORD= 1234
DB_CONNECTION_LIMIT= 5
DATABASE= authorization
DBMS= postgres
ELASTIC_URL= http://localhost:9200/
```

## 2 Application Front-end

The client application can be run by having NodeJS and the React library. To fully use the application, the Back-end must be running as well. You can run the Front-end application with the help of the following instructions:

Step 1: Open directory `lean-dashboard\code\leandashboard-ui`

Step 2: Setup a .env file for the application. This file should be located in `lean-dashboard\code\leandashboard-ui`. This file only requires the API fetch URI as following: `REACT_APP_API_FETCH_URI= http://localhost:3000/api`, where "localhost:3000" is the port where the front-end application is running.

Step 3: Open the terminal and run the command **`npm install package.json`**

Step 4: Run the command **`npm start`**

Step 5: Wait for your browser to open a window with the application, or access `http://localhost:3000/` to open the application manually

## 3 Deployed Application

The Back-end and Front-end applications were deployed using the Heroku platform. This application can be used by accessing the following link on your preferred browser: `https://isel-leic-lean-dashboard.herokuapp.com/`

## 4 Data Source Credentials

The Lean Dashboard application requires access to other platforms to obtain the necessary widget information. The team created test data across the various sources required for the application. These can be inserted on the Project Settings page on the Front-end application or using the Credentials endpoints of the Back-end's web API. The credentials used by the team were the following:

- JIRA:
  - E-mail: leandashboardproject@gmail.com
  - Token: LPcyGdZolN906MvzdwPHF045
  - API Path: leandashboard.atlassian.net
- SQUASH:
  - Username: guest\_tpl
  - Password: password
  - API Path: demo.squashtest.org
  - Project Name: When setting up a widget for Squash you might require to insert a project's name. The team has used Sandbox #2
- AZURE:
  - E-mail: leandashboardproject@gmail.com
  - Token: cwryfikv3hrslmoqiz4wz2otexf7o5aj4qtouhm37ndglel5dkbq
  - Instance: dev.azure.com/leandashboardproject
  - Iteration Name: When setting up a widget for Azure you might require to insert an iteration's name, these range from Sprint 1 to 6.