Installation guide

May 9, 2019

1 Mobile Application

- Allow external repositories on your phone
- Download and execute the .apk file of the project

2 Database

- Download and install PostgreSQL [1]
- Create the database called ispdb2 or edit line 14 of /server/app/controllers/DataBase.java
- Create a user with the rights on ispdb2 (or other) and edit ligne 15, 16 of /server/app/controllers/DataBase.java
- use the provide initialization script for the tables (use GET /InitDB while the server is running)

3 nginx

- Download and install nginx [2]
- In nginx_path/cond.d, drop the given configuration file
- Rename the configuration file according to the url of your server but keep the ".conf" extension

4 Obtain a https certificate

- In the case your company does not have access to a https certificate follow these steps

[1] `https://www.postgresql.org/`
[2] `https://www.nginx.com/`

- Go to the let's encrypt initiative and install certbot [3]
- You can either obtain a certificate directly affiliated with nginx or get a standalone certificate by selecting "None of the above" when asked which software you use
- In the case you choose a standalone certificate you must certainly change the paths of the certificate and key given in the previously mentioned nginx configuration file

5 Installing the play server

- Download the files of the server
- Install Java for developers and make sure to have javac as an accessible command in the terminal (if not you can set an environment variable called JAVA_HOME directing to the installation path of java)
- With a command prompt go inside the given server folder
- Make sure you have all permissions granted (read, write, execute)
- Each time you want to launch the server make sure nginx is launched first
- To launch the server type "sbt run" if on Windows or "./sbt run" if on linux (when launched for the first time the server will need time to download dependencies)
- If this does not work you may have to install sbt (also make sure the sbt command is accessible in the terminal from anywhere) [4]
- Your server should now be running, be aware that the server will need time to compile when a request is made for the first time (for each possible request)

If the installation does not work we would be happy to provide you with an access to the server installed on the virtual machine so you can at least test it.

[3] `https://certbot.eff.org/`
[4] `https://www.scala-sbt.org/download.html`