



## Weekly status report Week 1

**Intern Name:** Eduardo Vidal

**Project:** Static code quality control audit

**Report Period:** 10/07/2017 – 14/07/2017

**Project Advisor:** Luís Lopes

### Work done:

- Research and understanding of the problem;
- Research about various technologies to use on the project;
- Setup of a dummy server to test some early implementations and solutions;

### Work not done:

No work was left undone for this week.

### Work to be done next week:

- Research on the chosen technologies and implementation on the test server;
- Early development of a solution for better understanding of the problem and the referred technologies' capabilities;

### Research done:

The following technologies have been selected and researched on as a possible solution:

- **Docker** – similar to a Virtual Machine (VM), Docker isolates work environments, called containers, which share the host's resources to allow for smaller and portable but still powerful computing environments. Has a plugin support to integrate with the Docker Engine and a vast library of images to run in the containers.
- **Jenkins** – an automation and management server to help build, test and deploy software. Based on JAVA, it supports plugins to extend its functionalities.