



# Report

## Test Strategy



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# 1 Scope

The test iteration will focus on stress testing of the web server along with testing invalid and valid inputs for the port socket and shared resource containers. Tests to assure that the web server follows the *HTTP 1.1* minimum requirements. The testers should verify that any tools or libraries used in the web server is compatible with *GPL-2.0*.

## 2 Resources

To complete this test iteration 80 hours has been allocated divided between two testers. Each tester will have access to a computer with necessary tools installed. One tester will have access to the MacOS environment and the other tester to the Linux environment.

### 2.1 Tools

- Eclipse IDE *Neon.1a Release (4.6.1)*
- JUnit *4.12*
- Mockito *1.9.5*
- JMeter
- L<sup>A</sup>T<sub>E</sub>X

## 3 Strategic Method

The use cases and the supplementary requirements will be the foundation of creating the test cases for the application. These test cases will then be performed using manual testing to ensure functionality to the web server along with finding issues within the system that needs to be addressed in the next iteration. In order to stress test the web server the testers will use the test tool JMeter.