

Testing is an important part of the software development. The aim of automatic testing tools is to simplify the testing of complex applications as much as possible. Regression testing is a process in which selected test cases are run every time the tested software receives an update. The aim of regression testing is to find all unwanted regressions during the development of the software.

We use Benchmarking Environment project as a basis for implementation of the automatic tool with support for testing of distributed applications. This work focuses on extending the Benchmarking Environment with custom scripting language and tools needed when writing new test cases and analysing the results.

We have demonstrated the usability of the solution by implementing a regression test case for SOFA2 component application.