

Active Tester

Codeless test automation for Windchill




Codeless test automation for Windchill to shorten release cycle and reduce total cost of ownership

Windchill business users are demanding superior features in reduced time which is leading to a significant decrease in release cycles from yearly to quarterly/monthly timelines. Manual validation cycles running for months are not compatible with the much shorter release cycles prevalent now. Test automation solutions available in the market are expensive, possess a high lead time, and require automation expertise. There is a need for a test automation solution that is rapid, codeless, and seamless to improve the overall productivity of Windchill implementation and upgrade.

 **Codeless**

 **Ready to use**

 **Easy to upgrade**

Active editor
Browser based IDE to quickly search for step definitions, create test steps & test scenarios



Active library
Library of 200+ step definitions & 550+ OOTB test scenarios to enable codeless test automation



Active data manager
Tool to manage (create, update, delete) required admin data and test data



Active loader
Tool for load testing with real browser sessions & reports for performance & server resources



Active executor
Graphical user interface to execute automated test cases & generate HTML result reports & charts



Active upgrade
Tool with graphical user interface to upgrade feature files to newer version easily & quickly in few steps



Key differentiators



Ready to use

New test scenarios can be quickly created and managed efficiently from the library of more than 200+ step definitions



Tools

Productivity & quality improvement tools to quickly create automated test scenarios, test data and upgrade test scenarios to newer version



Result Report & Charts

Test automation execution results are automatically processed to generate HTML reports, charts and trends to quickly show the status & progress of implementation

Success stories

North American Beverages



Major challenges

- Execution of same set of test cases on multiple environments
- Frequent changes in use cases from sprint to sprint
- Increase in no. of test cases with every sprint
- Need to reduce release cycle time from 6 months to 1 month



Solution

- Implemented Active Tester for test automation
- Setup Active Tester to be executed daily in the night through Jenkins
- Same test scenarios are enabled to run in multiple environments with changes in global variable file & configuration files



Value delivered

- 70% reduction in test automation efforts by using Active Tester
- 1 month release cycle (reduced from 6 months)

Japanese Electronics Leader



Challenges

- High customization for lot of new features
- Big regression test suite
- One major upgrade every 1 to 1.5 years



Solution

- Setup of HCLTech's Active Tester solution for test automation
- Integration with Jenkins to trigger execution of test automation suite as per the defined event
- Newer version of Active Tester along with upgrade tool will be used for upgrading existing automated test suite to newer version



Value delivered

- 50% reduction in test automation efforts by using Active Tester
- 2 weeks test cycle (reduced from 8 weeks)

Above success stories are for non-Windchill PLM system