



Next Generation Test Automation

ABOUT AXE

Axe introduces a new breed of tools for automated software testing. It provides a totally table driven Microsoft® Excel interface to automated testing negating the need for traditional scripting techniques.

Test automation has picked up a poor reputation in the testing industry. It has been proven that capture/replay is not a good foundation for building robust, maintainable test systems. It has also been found that script-based approaches have their own limitations such as the skills required and the maintenance and overheads involved. Often the best testers on a project do not have the technical background necessary to work with automation. Axe provides a means to rapidly deploy automated testing systems that can be used by non-technical staff with the minimum of training.

THE AXE TESTING PROCESS



BENEFITS OF AXE

Proven return on investment on automated testing

Leverage investment of automation tools by cutting implementation costs by up to 75% and ongoing maintenance by up to 86% making automation affordable for your projects now.

Easy to use by all levels of testing staff

Facilitate automation using your existing non-technical staff so that automation is incorporated easily into your mainstream testing making it easier to manage and improve job satisfaction.

Quick and easy to implement

Implement automation with minimal impact on your testing timescale so that you're building assets for the future at the same time as you undertake your testing.

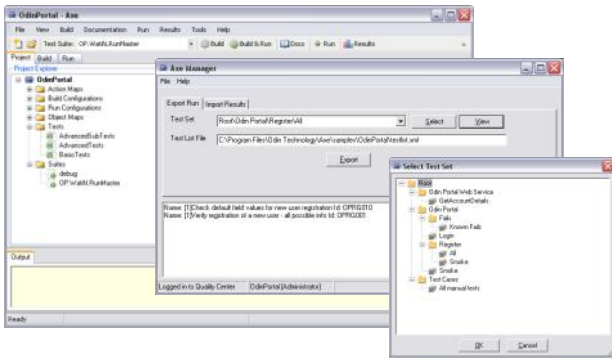
Automate testing throughout the lifecycle

Apply automation to tests for both UI and non-UI application. Components or SOA architectures. Components can be tested early to improve the overall quality of the development deliverables.

Future proof your automation investment

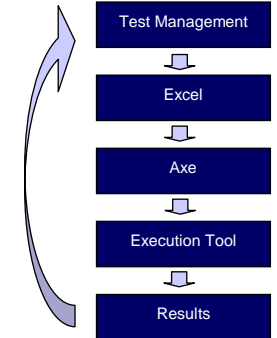
Axe tests work with all leading automation tools so you achieve greater flexibility on selection of software suppliers and offshore partners.

MANAGE

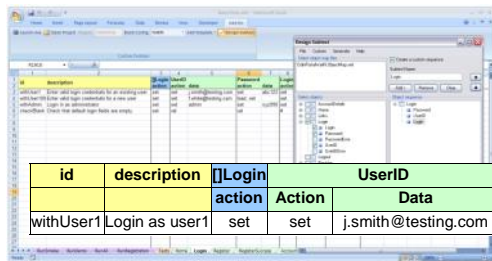


Axe Manager integrates with leading test management tools.

Axe provides a joined up testing process for managing test execution. Create a test run in your test management tool. Design the tests in Microsoft® Excel. Use Axe to build the scripts for execution in your chosen test tool. Run the tests and analyse your results. Then use Axe Manager to join the process up by importing the results back into your test management tool.



DESIGN



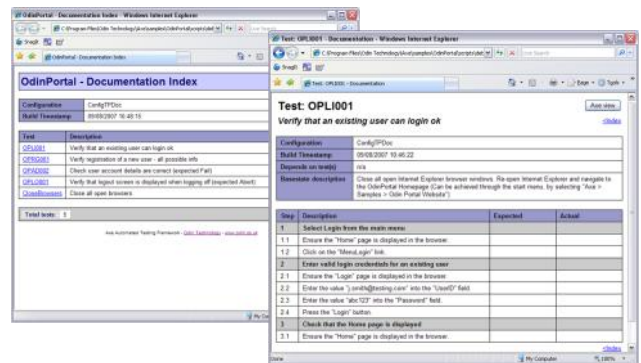
Tests designed in simple Excel tables

id	description	Login	UserID	Password	Login
withUser1	login as user1	set	j.smith@testing.com	abc123	set

Axe employs the simple yet powerful features of Microsoft® Excel for test design. Re-use is assured by using a logical modular table layout of tests, sub-tests and test steps. Re-use lowers maintenance overheads. Test steps and business processes are designed using basic business terminology and a minimal set of actions that applies to all target objects.

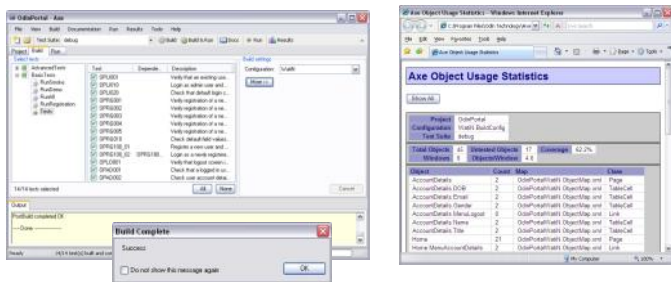
Building tests can be mastered in hours. Axe is comprehensively documented and is supplied with a fully functioning sample test automation system for supported test tools. Odin Technology can also offer a proven training programme for getting a whole team designing tests quickly.

BUILD - DOCUMENTATION



Axe will generate comprehensive English documentation for your tests in a standardised format. The documentation can be audited or submitted for sign-off before any automation code has been created. It is also straightforward for the test designers to see their intended test process and refine it.

BUILD - AUTOMATION SCRIPTS



The Axe user interface provides a single point of operation for the script and documentation building process.

The Axe user interface provides a simple central location to manage your test automation projects. Decide which tests you want to build or load a list from Axe Manager, hit the build button and watch your scripts being written for you in your execution tool's native scripting language.

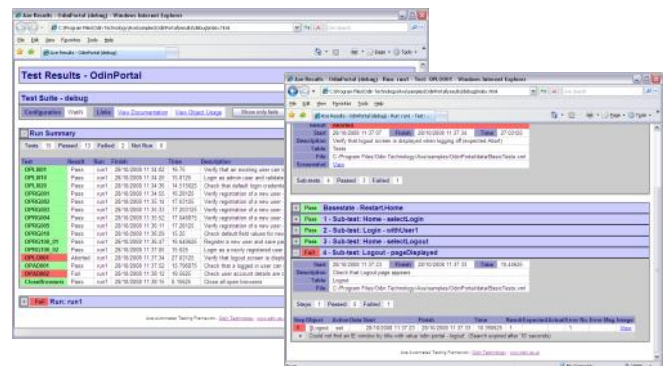
A summary and full diagnostic information is created along with test coverage statistics about your tests. All available through the menu options allowing you to quickly identify any issues with your test tables.

After building your scripts, hitting the play button will invoke the test execution tool and run them automatically.

EXECUTE & ANALYSE

XML is the industry standard for data portability. Axe is based on an XML architecture with all results being stored as such. Using the presentation capabilities and flexibility of HTML, Axe results are presented in an intuitive and easily navigated format viewable in Microsoft® Internet Explorer.

All information on your test runs is presented including an at-a-glance summary of test execution results. By drilling down through the results you can quickly diagnose the source of test failure and even view a jpeg screenshot of the failure as it happened, automatically captured by Axe.



The Axe results view in Microsoft® Internet Explorer