

ABOUT AXE

Axe is a test automation platform that greatly increases productivity and drastically reduces maintenance overheads for test automation. It uses simple Microsoft Excel spreadsheets as a means to define test scenarios and code generation techniques to rapidly generate robust, self-documented automation code.

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.

AXE FEATURES

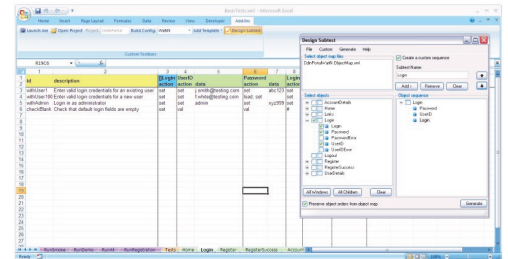
Technology

- Provides automated code and documentation generation from simple Microsoft® Excel spreadsheets.
- Based on proven test model for specifying automated tests.
- Built on the robust Microsoft .NET framework platform.
- XML infrastructure provides modularity of components and integration with other utilities/tools.



Test Definition

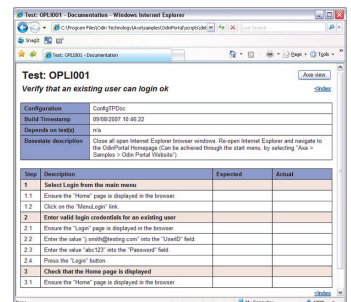
- Tests are defined in Microsoft® Excel spreadsheet format. Familiar to most PC users.
- Simple business focused test specification format, learnt in minutes.
- A supplied VSTO Excel AddIn facilitates creation of tables.
- Modular, re-usable table layout encourages best practices.
- Fully customisable with documented customisation and samples.
- Support for multiple Microsoft® Excel workbooks, re-use of common tables.
- Support for test dependencies is provided.
- Support for external datasources, XML and Microsoft® Excel is built in.
- Support for dynamic data (only known to the system at runtime) is provided.
- Support for error recovery through a proven basestate mechanism is provided.
- Tests can be grouped into sets in run tables for test execution.
- Test definition skills can be re-used independently of the test execution tool.



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

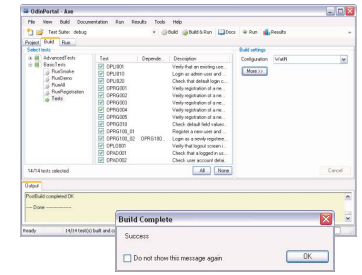
Code and Documentation Generation

- Test scripts are generated from the Microsoft® Excel spreadsheets for leading commercial and open source UI execution tools and Odin's own SOA test tool.
- Scripts are self documenting, with manual test documentation generated alongside automation scripts for audit, sign-off and debugging.
- Object coverage statistics provided with dynamic HTML view.
- Table format and contents are checked by Axe during the script generation phase, with reports for problem diagnosis.
- Scripts are fully instrumented with error recovery best practices.



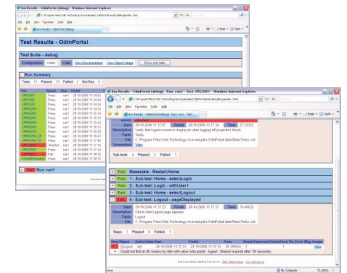
User Interface

- Fully menu driven Windows user interface provides access to all main functionality of Axe. Including; building scripts, test execution, error diagnosis and reporting.
- Project files provide configuration for all project options, loaded through the UI.
- All information on configurations and test tables is available in pre-populated form in the UI.
- The UI is logically organised by task for managing assets, building and executing scripts.
- A project creation wizard aids building new automated test projects, setting up a basic project structure and assets



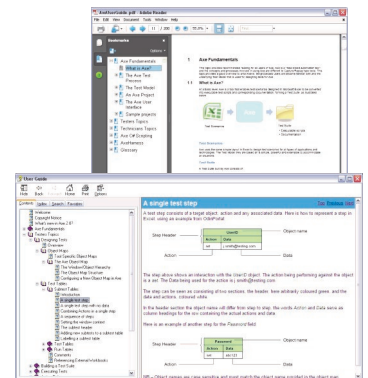
Execution Reporting

- Axe provides detailed, easy to understand HTML test execution reporting in line with the test tables.
- Results can be Viewed in Microsoft Internet Explorer from any available workstation without the need for proprietary software.
- Summary information is available at a project level, showing history of execution.
- Results from multiple sources and environments can be merged for ease of management.
- JPEG based screen capture is provided for errors and screen verification.
- Axe provides output to supported execution tools logging mechanism for technical diagnosis of errors.
- All reports are XML based, can be customised or imported into other tools and utilities.



Product Package

- Installation and un-installation using industry standard Windows Installer.
- Intuitive Microsoft HTML Help and PDF files supplied.
- Self contained sample test system for each supported tool.
- Supplied support libraries for each supported tool.
- Highly commended Email support and online case management tracking.
- Ongoing development program and maintenance releases.
- Full training materials are available and courses can be provided.



PLATFORM & TOOL SUPPORT

Supported Products

- HP - QTP, WinRunner, Quality Center
- Micro Focus - TestPartner, QARun, SilkTest, QADirector
- Microsoft - VS2010 Coded UI, TFS
- IBM Rational - Robot, Rational Test Manager
- Odin - Axe Harness (SOA Component Testing)
- Open Source—WatiN, Watir, Selenium
- Axe .NET Scripting Framework

Platform Requirements

Operating System:

Microsoft® XP SP3 / Vista / Server 2003/2008 / Windows 7 (x86/x64)

.NET Framework:

v4.0

Supporting Software:

Microsoft® Excel 2003/2007

Web Browser

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