



AN INNOVATION IN AGILE AND BDD AUTOMATION

Adoption of Behavioural Driven Development is increasing

“A Communication and Collaboration framework for developers, QA and non-technical or business participants in a software project” – Dan North

Behavioural Driven Development is increasingly becoming adopted in a wide variety of organisations, many operating in a Bimodal fashion to support existing applications alongside new development.

Test automation is woven into the BDD approach, with adoption of frameworks such as Cucumber and SpecFlow to support test automation also widespread. The technicality of such frameworks raises questions about organisational structure, skills and roles, and bimodal IT presents further challenges in maintaining traditional testing roles and providing the right skills for successful BDD projects.

Feature: OdinPortal Login

Odin Portal requires user authentication to prevent unauthorised access to data.

Scenario: Login with Password and User Id

Given that the Login screen is displayed
 When the user enters valid credentials
 And I press the Login button
 Then I should see the Account screen

The market leading Enterprise Automation Framework for Agile and Bimodal development now supports BDD

Axe is an off-the-shelf tool agnostic automation framework trusted as a standard by over 100 organisations worldwide to unify their test automation approach and skills, reducing cost and time of implementation. It works in conjunction with both open source tools and the commercial market leaders for testing ERP, Mobile, Web, Desktop, SOA and Legacy applications.

With the v4.2 release, Axe now provides a BDD automation framework based on the popular Gherkin ubiquitous language. This enables User stories presented in Gherkin to be parsed by Axe and table layouts created for completion by non-technical participants to automate the scenarios presented.

Focus on defining scenarios not writing code

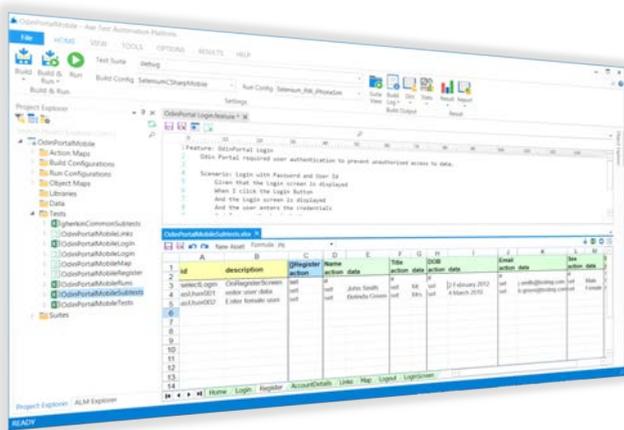
With a simple table based test definition interface with support for BDD and Gherkin, non-technical stakeholders can define test scenarios without the requirement to write code.

Backed by a unique, tool agnostic code generation technology, Axe generates fully functioning automated tests and documentation.

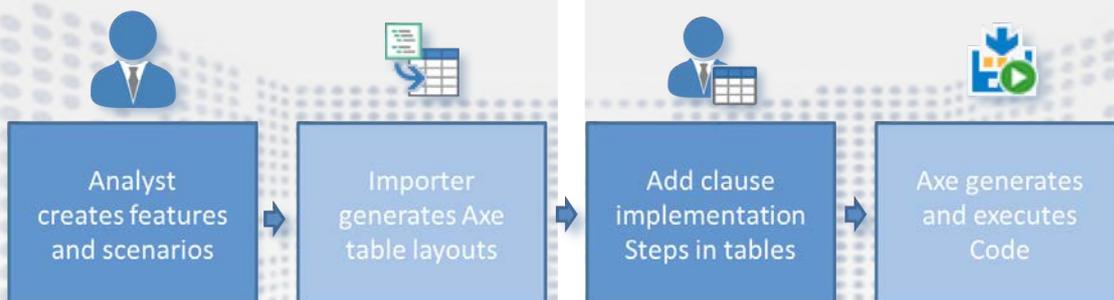
By not relying on outdated capture-replay approaches, Axe uniquely supports both traditional and Agile approaches to development, enabling true “in-sprint” parallel functional automation in TDD and BDD environments for any application type.

Unlike other “Scriptless” tools, this unique approach means Axe can be fully customised and extended by end users to support those well known automation hurdles and custom control issues.

Functional automation work can be completed by non-technical testers, requiring little input from development.



The Axe BDD Process



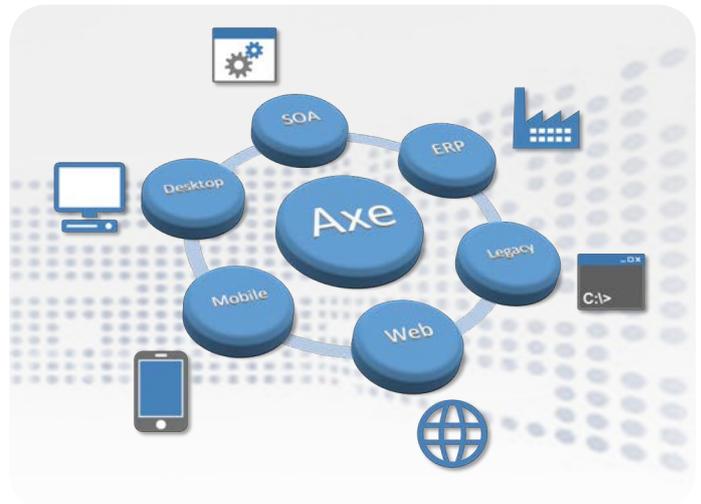
Integrated, re-usable test assets between testing phases

Agile and Behavioural Driven Development generally focus on small feature sets and automated test scenarios focus on testing those features in isolation. Integration and System test requires testing cross-feature. With it's modular table design, data independence and focus on re-use of workflows, test automation of end to end scenarios is a natural extension of the feature based automation covered in BDD environments. Axe allows asset re-use across multiple teams in a standardised way.

The Axe platform enables highly productive test automation in Bimodal organisations with common skills across traditional, Agile and Behavioural approaches to development. With it's tool agnostic approach, organisations can leverage existing tool investment and embrace open source offerings.

The Axe difference over traditional approaches

- **INCREASE AUTOMATION ACROSS THE ENTERPRISE UP TO 80% OR GREATER**
- **ELIMINATE THE OVERHEAD OF SCRIPT MAINTENANCE**
- **IMPROVE PRODUCTIVITY RATES IN AUTOMATION**
- **LEVERAGE EXISTING TOOL INVESTMENT OR OPEN SOURCE**
- **STANDARDISE AUTOMATION PRACTICES ACROSS THE ORGANISATION**



Supported Quality Tools and ALM suites:

- **Open Source** Selenium Webdriver (Web), Appium (iOS and Android), White Framework (Desktop)
- **Cloud** SauceLabs and BrowserStack for on-demand cross browser/platform testing.
- **Axe** SAP Certified SAP GUI Testing, SOA Service Testing
- **HP** QuickTest Pro (QTP), Unified Function Testing (UFT) and Quality Center (QC/ALM)
- **Microsoft** Visual Studio Coded UI and Microsoft Test Manager (MTM/TFS)
- **IBM** Rational Function Tester (RFT) and Rational Quality Manager (RQM)
- **Oracle** Oracle Application Test Suite (OATS) and Oracle Test Manager (OTM)



SAP® Certified
Integration with SAP NetWeaver®

About Odin Technology

Operating for over a decade, and trusted by over 100 clients globally.

Odin works with leading independent marketing representatives, implementation experts, technology and strategic partners to deliver unrivalled product, consultancy and application support across all industry sectors, locations and size, with scalable, cost effective test automation.

Our carefully selected partners are proven in quality delivery of solutions, which are instrumented, interconnected, and intelligent.

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