SOA TESTING WITH AXEHARNESS

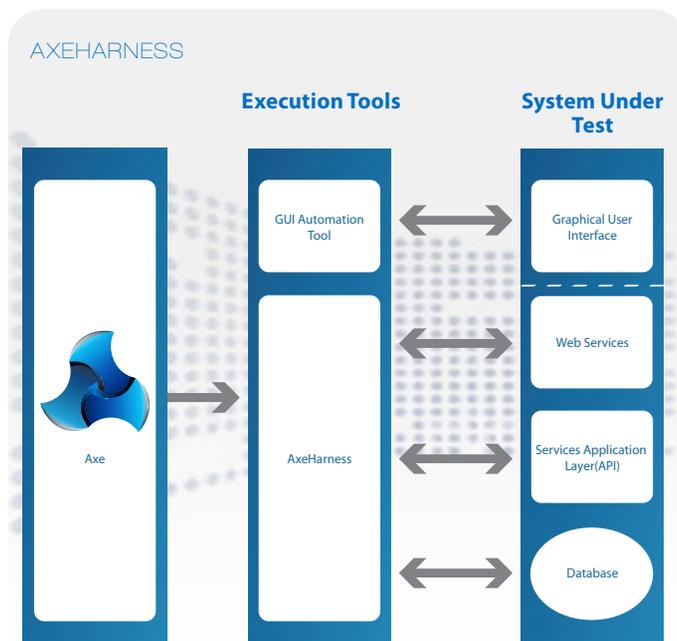## THE SOA TESTING CHALLENGE

Advances in IT Infrastructure architectures have not made the tester's life easy. The adoption throughout the industry of SOA (Service Orientated Architectures) has meant that traditional testing via GUI based applications now needs a different level of testing, different test tools and languages. SOA based architectures are not "human friendly" but why should they be? The end-user of most SOA components is other software components. Messages are sent in low-level protocols, such as SOAP & XML, between Applications, so how exactly do you test something that has a complicated application architecture?

ABOUT AXEHARNESS

At Odin, we realise that two levels of testing, the UI level and the SOA level need to be tested either together or separately as required.

At the lower "depths" testing becomes more complex as web services and databases may also need to be tested and validated. Overall the business requires that the end-to-end business process is tested, this obviously needs a common holistic approach which Odin provides.
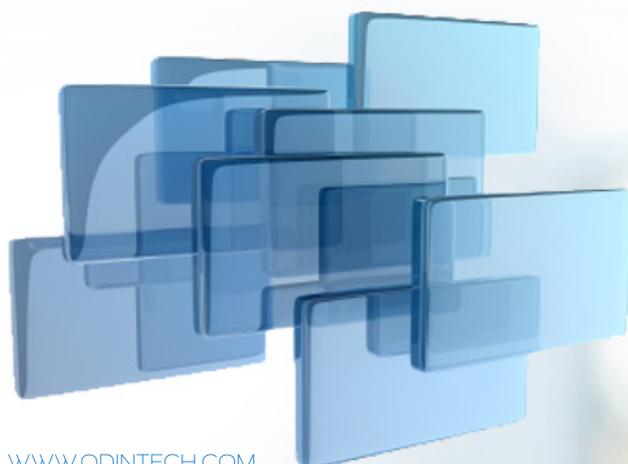
So how do you test this complex architecture without Testers developing code? (which once again needs to be tested!)

AxeHarness is an automation tool for executing tests against non-UI application interfaces and SOA applications. It has the following features:

- It can be used independently or in conjunction with UI automation tools.

- Test Scenarios and data are defined in Axe Spreadsheets.

- Component Interfaces are described in Axe Object Maps.

AxeHarness is consistent with the standard AXE UI interface in that it uses Excel spreadsheet to define tests. Unlike UI testing AxeHarness carries out the execution itself without the reliance on other vendor's tools to execute tests. This allows testers to be conversant with the Axe toolset irrespective of whether they are testing GUI or SOA interfaces to the application.

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ABOUT THE AXE PLATFORM

Axe is a unique and disruptive technology, cost effective, simple and cross industry it is quickly becoming a global brand with a prestigious list of large organizations using it across the **US, Africa, Australia, Europe and India**.

Axe leads a new generation of automated software testing products. Axe provides a means to rapidly deploy automated testing systems that can be used by all levels of staff with minimal training. This reduces the cost of introducing and maintaining test automation by a factor of four.

The advantage is that it is extremely easy to implement, very open for modification for non-standard applications and environments, and easy to integrate with any existing test management and source control systems already in place.

Non-technical users will have no trouble working with its optimized action word methodology, assisted by out-of-the-box spreadsheet templates for test design that largely overcome any problem dealing with complex scenarios.

GLOBAL REACH

Operating for over a decade, Odin are industry experts in the design, development and implementation of test automation products and solutions to clients in the US, Africa, Australia, Europe and India.

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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