

**iTEST**

# Test Automation Framework for Appian

## iTEST - Test Automation Framework for Appian

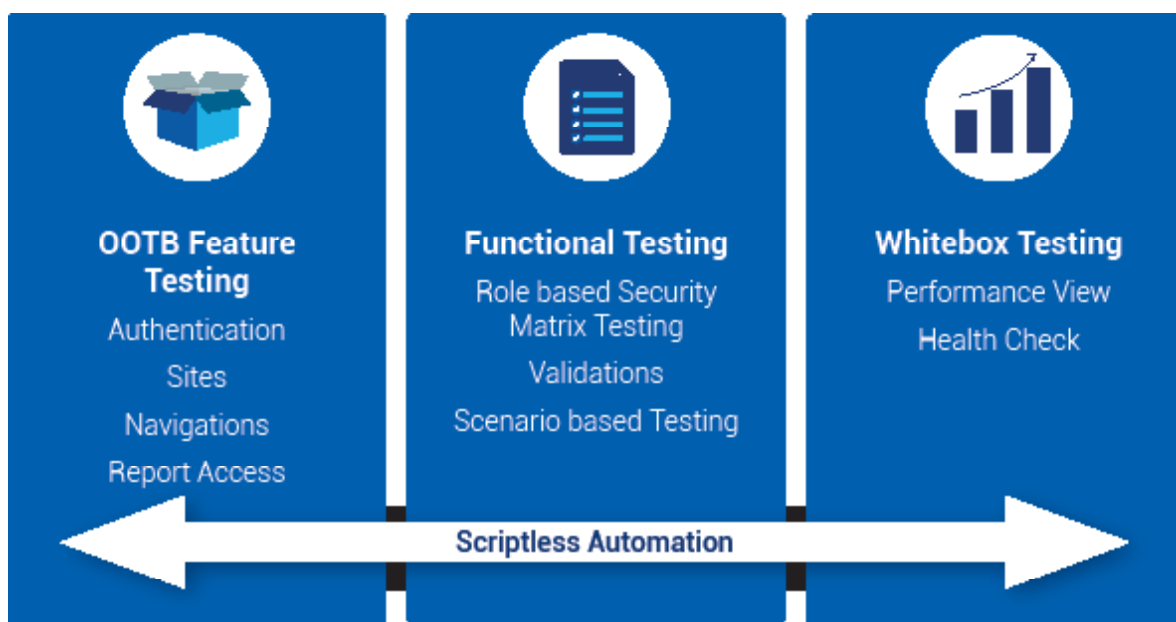
Incessant's Test Automation Framework allows organizations to accelerate their testing automation initiative for Appian applications. Based on Selenium & TestNG, iTEST provides a data driven framework that has capabilities for testing authentication, role-based security, navigation, sites, reports, dashboards and many other applications related functional areas without any scripting. Incessant's Test Automation Framework is well accustomed to Agile and DevOps environments ensuring consistent ROI during the entire agile lifecycle.

## Business Challenges

- » Initial investment required to adopt testing automation
- » Recording and maintenance of the automated test suites
- » Dependency on tool specific knowledge and skills
- » Inability to easily incorporate new test scenarios without excessive test script re-work
- » Lack of standardization of test frameworks across the enterprise
- » Inability to test applications effectively, due to multiple operating systems and web browsers

## Solution Overview

iTEST delivers testing automation at 3 levels, Out Of The Box Feature Testing, Functional Testing and Whitebox Testing

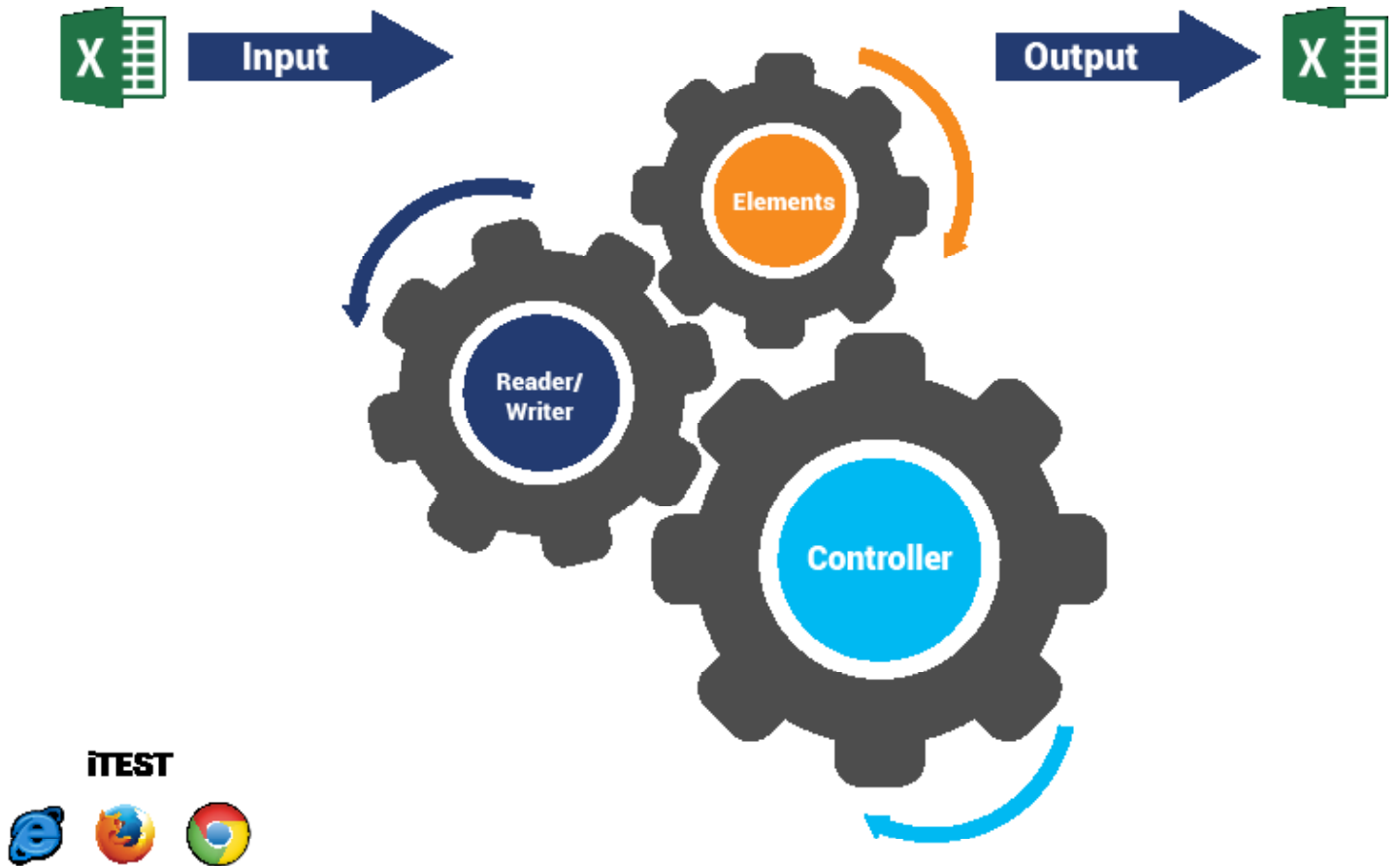


**Out Of The Box Feature Testing** – To test common aspects of the application including Authentication, Sites, Navigation and Report Access

**Functional Testing** – To automate Scenario-based Testing, Validations & Role based Security Matrix Testing

**Whitebox Testing** – To test performance aspects of the application and gain insights on server level health check metric

## iTEST Framework



iTEST Framework consists of 3 main components:

- » **Reader / Writer:** The reading and writing of data to/from Excel is handled in this module. All actions related to excel processing is performed here
- » **Controller:** This is the core component of the framework which will get the data required to process test cases by element. This component drives the execution of scenarios based on the data read from excel
- » **Elements:** The component is invoked by controller to determine the behaviour and action that needs to be performed on each element. This behaviour and action for each UI element is pre-configured in iTEST

## iTEST Framework Business Benefits


- » Standardize and expedite the adoption of test automation for Appian applications across the enterprise
- » Ability to easily incorporate new test scenarios by data driven configuration
- » iTEST Scriptless Automation enables QA teams to focus on building exhaustive test scenarios rather than developing scripts
- » New Selenium features can be easily leveraged by the framework
- » Testing of Appian applications with automation across multiple operating systems and web browsers



# Orchestrating the **Digital** Enterprise™

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## About Us

Incessant Technologies, an NIIT Technologies company, helps organizations realize their Digital Integration goals, through the agile delivery of enterprise iBPM solutions. Incessant's BPM Practice has unmatched certification levels in the industry and proven expertise in helping leading organizations in North America, Europe and Australia achieve their digital transformation goals.