Cognizant Intelligent Test Scripter
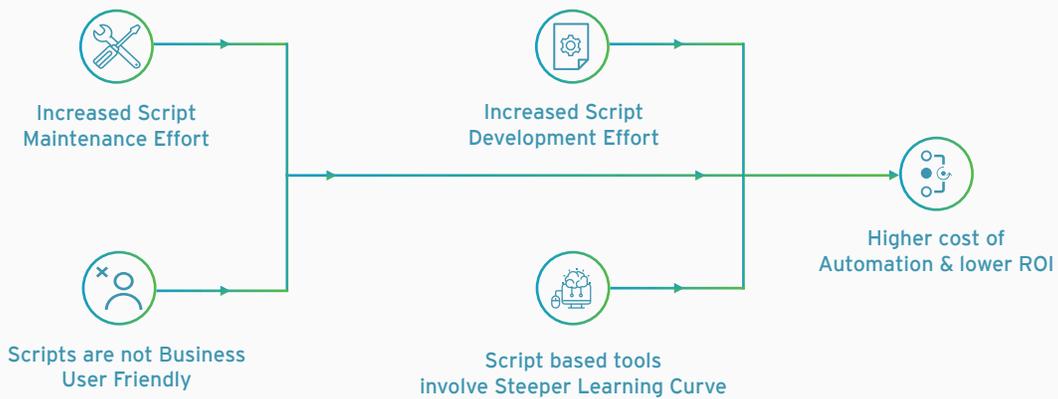
Automate Faster for Agile

Businesses are increasingly adopting Agile for faster delivery. In order to maximize benefits, testing must be performed alongside development. This requires large-scale use of automation scripts. However, Agile mandates frequent builds for sustaining rapid sprints, minimal documentation and the need for active stakeholder involvement. This poses a challenge in developing and maintaining automation scripts.

Challenges in Traditional Test Automation:

35% of the test automation effort is spent on test scripts maintenance.

70% of script maintenance costs are due to frequent changes to the application.

Why scripts become a bottleneck to realizing ROI:

Increased Script
Maintenance Effort

Increased Script
Development Effort

Higher cost of
Automation & lower ROI

Scripts are not Business
User Friendly

Script based tools
involve Steeper Learning Curve

Cognizant Intelligent Test Scripter:

Conventional automation approaches often prove sub-optimal due to high-dependence on UI-readiness, high cost of script maintenance and the dependence on niche skills. Cognizant's script-less approach - Intelligent Test Scripter - redefines automation, enabling rapid test design and easy maintenance through its feature-rich IDE.

Cognizant Intelligent Test Scripter is a script-less test automation solution that redefines test-automation for agile with in-built features. The solution supports both web and mobile browser automation and provides a simple approach to testing website UI. It can also be leveraged for performing exploratory testing in an agile environment, and webpage performance testing. Moreover, it is completely open-source.

Key Features:

Automation For Everyone: Anyone can automate software tests by simply using our large repository of built-in library actions.

Automate as You Go: With a point-and-click recorder, in-built checkpoints and an intuitive interface, running automated tests on-demand has never been easier.

Built-in Cross-platform Support: A Platform independent IDE that supports Selenium WebDriver, Sikuli, Galen Framework, Appium, CI tools and test management tools. The solution also supports exploratory testing and Behavior Driven Development.

Cognizant Intelligent Test Scripter is an open-source script-less test automation solution that generates test scripts on-the-fly with Plug and Play utilities for a seamless in-sprint Automation

Benefits:

Simple to use

Keyword based abstraction of test cases eliminates the need for resources with niche automation skills.

Faster ROI

60% faster ROI realized compared to traditional automation with selenium.

Early Automation

Users can design navigation flows before the application is ready.

Business Friendly

Supports 'business acceptance' without constraints of scripted testing.

Rapid Test Development

User friendly IDE with recording and drag-drop features promotes rapid test development.

Increase Reusability

Repurpose CITS tests between mobile and desktop applications

Why Businesses Need Cognizant Intelligent Test Scripter:

▶ Support for all forms of testing in a single tool.

▶ Reduced Design and Maintenance Efforts.

▶ Key based abstraction of test cases eliminates the need for niche automation skills.

▶ Agile-ready to deliver faster time to Market.

▶ Advanced Reporting with embedded screenshots.

▶ Equipped with Dev-Ops model for accelerated time to delivery.

Quick Take

The client, a leading U.S based insurance provider wanted to reduce the cost of testing and increase ROI by adopting a unified automation framework with a mild learning curve. Deployment of Cognizant Intelligent Test Scripter resulted in:

67%
Reduction in Design efforts

60%
Reduction in Maintenance

70%
Reduction in Execution Efforts

License:
Cognizant Intelligent Test Scripter is distributed under Apache License 2.0 and the sources are available on GitHub.

Join the Community:
If you have any queries on Cognizant Intelligent Test Scripter, please post your questions on Cognizant ITS Google Group

To ask specific questions on project development, to discuss future improvements or for any other technical detail, please join the Cognizant ITS chat on Gitter.

To learn more about how Cognizant Intelligent Test Scripter can help businesses, please contact us at:
CogITSsupport@cognizant.com

About Cognizant

Cognizant (NASDAQ-100: CTSH) is one of the world's leading professional services companies, transforming clients' business, operating and technology models for the digital era. Our unique industry-based, consultative approach helps clients envision, build and run more innovative and efficient businesses. Headquartered in the U.S., Cognizant is ranked 230 on the Fortune 500 and is consistently listed among the most admired companies in the world. Learn how Cognizant helps clients lead with digital at www.cognizant.com or follow us @Cognizant.

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