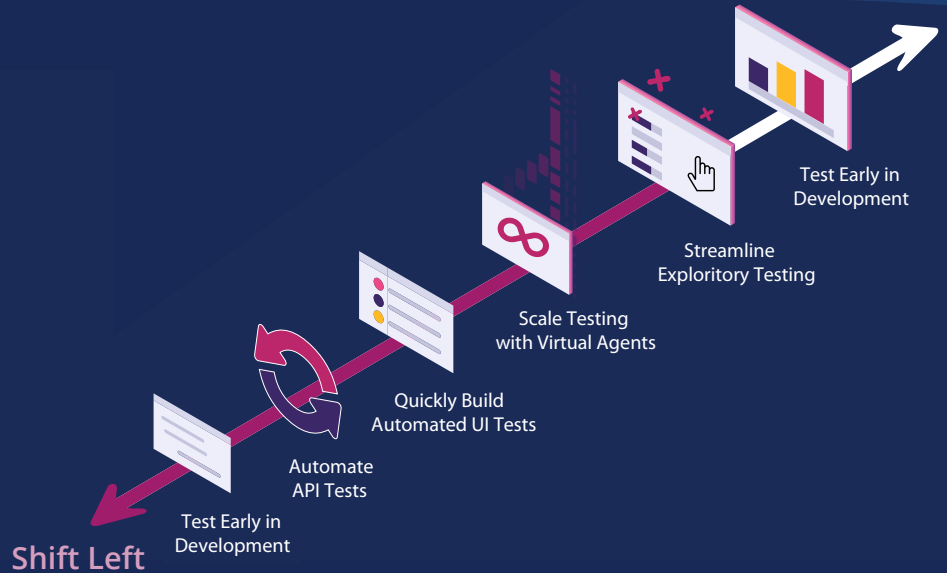


Marionette

Automated Testing



WHITE PAPER

Create robust software and release new functionality with confidence.

Marionette is an extensive toolkit and set of industry standard best practices for CC&B and MDM that allows users to automate tests, track execution, triage failures and present results to business partners.

With the Marionette test automation tool suite, teams jump-start their testing efforts by leveraging solutions to complex testing problems.

Curious what **Marionette** could do for your next project? Contact IntelliTect to find out: Sales@IntelliTect.com

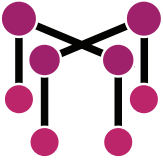
Challenge

Testing functionality of new software before it's deployed is complicated. Once software is deployed and upgrades are added in subsequent releases, it's critical to conduct regression testing to validate that existing functionality remains intact across the various systems in their multiple environments. These tests often require weeks or months to complete and can be complex and time consuming. Batch jobs cause delays, and human errors are always a factor.

An investment in off-the-shelf automation tools will deliver basic, low-quality results. Through using many commercial tools, the IntelliTect team learned that more advanced tooling and processes are required for excellent results. The IntelliTect team has created an enterprise path through regression testing.

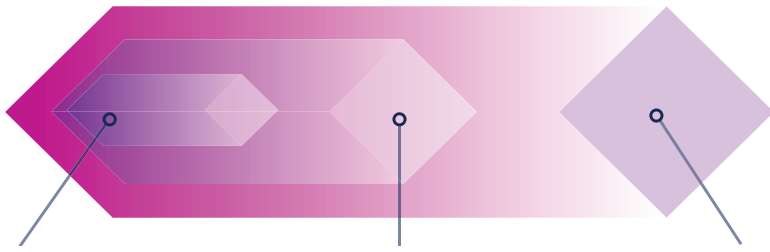
Automation of manual test steps through software is the key. Marionette is like having a person sitting at a computer running multiple tests at once, doing clicks, entering data, running your tests—and not just once, but as often as needed. Testing iteratively throughout the process allows bugs to be caught almost immediately, reducing the total cost of fixing them. We call this “Shift Left” testing, because problems are caught earlier in the process.

With Marionette, your customers can be confident that your team will release better software at a lower total cost.



Marionette

Implementation Strategy Options:
Your Team + IntelliTect Experts



Equip Your Team:
Tooling and Best Practices
(2-6 weeks)

Work with Your Team:
Embedded Team
(2-6 months)

Be Your Team:
Complete Implementation

Our objective is your long-term success

Solution

Option #1 A 2-Week Beginner's Guide

For two weeks, IntelliTect Utility Testing Experts, well versed in Oracle products, will be on-site to provide training in best practices and current tools needed to master automated testing.

Option #2 A 2 to 6-Month Team Jump-Start

For the team that has some experience or has finished IntelliTect's beginner's guide, IntelliTect utility testing experts will embed with your team. Your team will learn to write tests utilizing industry standard tools and frameworks as well as IntelliTect's invaluable libraries.

You'll have access to:

- **The Marionette Automation Test Toolkit with Watchdog**
A suite of tests that confirm a site is up and ready for testing.
- **The Marionette Website for automations**
Automatically catalogues screenshots and video of failing tests.
- **TurboQuery**
To help locate data for testing.

Option #3 Outsource to IntelliTect

The IntelliTect team will work with your business analysts and developers to test your software using all tools mentioned above. On-site, off-site and off-shore staffing solutions are available to accomplish this task.

All of these options allows users of Marionette to build automated test cases and visualize the results.

Marionette's automation toolkit is used by software developers and SDETs to write tests, and the Marionette website is used by QA and stakeholders to monitor the results. Marionette can be tailored to integrate with your ALM tool set.

Over the past few years, I have watched the IntelliTect test team hone and refine the process of testing Oracle utility software. This automated testing is never easy, but this team has developed amazing products and practices.

Grant Erickson
IntelliTect CTO



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IntelliTect provides architecture consulting, full life-cycle software development and training that enables their customers to solve the most challenging of problems. IntelliTect has expert principal and senior engineers specializing in the latest Microsoft technologies, including Cloud Computing, Big Data and AI, Microsoft .NET, Azure DevOps, Office365/SharePoint and Enterprise Application Integration.

Passionate Hard Work, Courageous Honesty, Innovative Excellence