

Vitech's Automated Testing Platform Accelerates Testing Times from Weeks to Hours for a Large U.S. City Agency Pension Fund

EXECUTIVE SUMMARY

V3locity ART is a unique blend of automated testing and release quality management that addresses typical, but often complex, implementation challenges. Through our best-of-breed software development and automated testing approach, V3locity ART provides an efficient, flexible, and reusable offering that accelerates the V3locity implementation/upgrade process.


The offering achieves these goals by integrating Vitech's core automated testing tools and software validation methodologies, while leveraging reusable test scenarios that are executed against our client's specific code and data – resulting in software issue identification and resolution upstream, prior to delivery.

OVERVIEW OF THE ART METHODOLOGY & TESTING PLATFORM

- Vitech has specifically engineered a proprietary, cloud-based automated testing platform for V3locity, across all phases of typical client release testing.
- A test case development process underpins the ART platform. This takes client business scenarios through layers of implementation-review-approval steps that allow for completely granular testing, all driven by the client business/testing requirements.
- The depth and granularity achieved in the ART library allows for efficiently maintaining the library through different versions of V3locity. This is easily scalable.
- Finalized, client-driven, automated tests enable testing in-depth functions of typical business scenarios on any available V3locity testing instance.
- We drive the entire process of building the ART library through our JIRA ecosystem. This provides complete transparency of test coverage, test execution status, and identified issues.
- Vitech, our clients, and partners can use the developed ART test library to support project rollouts of V3locity, as well as other projects after the initial go-live (including upgrades).

CLIENT SPOTLIGHT – LARGE U.S. CITY AGENCY

Using the full ART methodology for a public pension client implementing an upgrade to V3locity, Vitech successfully built a robust Automated Regression Test library that covered all aspects of this client's use of the platform. The upgrade for this client included a full functionality solution built on the latest product. Vitech built the ART library, consisting of over 900 specific business test cases, in cooperation with the client. The automated test library covers a vast range of functionalities, including Payroll, Service Retirements, Disability, Death benefits, Loans, and SCP to name a few. The tests were developed by



following a specific methodology with the client, covering all specific client testing requirements, and addressing the online user interface, key business rules, calculations, process flows, imports, workflows, batches, and documents.

SUMMARY OF KEY BENEFITS ACHIEVED

- The ART library includes 900+ client specific automated test scripts, covering 65,000+ steps, across all business areas used by this client.
- Vitech will use the automated library across each key phase of the multi-year rollout and then beyond for post go-live support.
- The ART library coverage should cover 80%+ of the overall client testing library.
- We build each script to be "end-to-end", independent of any test data dependencies, using client-specific data values, including specific plan members, calculations, and other client-provided values.
- Through our ART virtualization capabilities, Vitech can execute the full library in less than 8 hours. The same library with similar resources, if done manually, would require 3 weeks of effort.
- As a result of the effort, we have seen client-reported defect volumes decrease by 3x, compared to the Vitech QA-identified issues.

MORE INFORMATION

For more information, please contact us at info@vitechinc.com or visit our website at www.vitechinc.com.