![Parasoft logo]

Velera Achieves 3X Speed Boost & Quality Leap With Service Virtualization

Overview

Velera is a leading fintech provider that delivers digital solutions, including shared branching, card processing, and digital onboarding, to credit unions and community banks across the U.S. and Canada. Operating on an API-first model, its development teams must integrate with a vast ecosystem of third-party fintech partners and data providers to power these mission-critical services for hundreds of financial institutions.
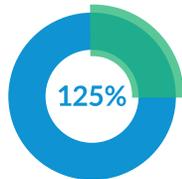
velera

Industry:
Financial

Company Size:
5,000

Location:
Tampa, FL

Solution:
Virtualize

Key results

125%

Increased code coverage 125%—from below 40% to as high as 90%.

3X

Accelerated project completion by 3X—from 1 year to 3-4 months.

The Challenge

Unreliable access to third-party test environments crippled Velera's software delivery. Release timelines consistently slipped because these nonproduction systems were not held to strict SLAs, impacting cost and quality.

Teams faced delays of a month or more. Some projects stretched to nearly a year. Failed builds were common, as code coverage stalled at 30-40% due to an unstable environment that limited the number of tests they could run.

Performance testing was blocked, and defects often surfaced only after production rollouts, forcing costly rollbacks.

The Approach

Hirakant Shet, Director of Software Engineering at Velera, spearheaded the search for a solution that would enable parallel development while working alongside the third-party data providers.

Shet prioritized:

» Reliable test environments

» Increased code coverage

» Early API contract validation

He evaluated multiple vendors in his search for a tool that supported essential protocols like HTTP, TCP/IP, and MQ and allowed for a comprehensive proof of concept within Velera's own infrastructure.

The Solution

After pulling development leads into the POC process to drive experimentation, gather feedback, and foster collaboration, Velera selected Parasoft Virtualize.

"Virtualize supported all the major protocols that we needed. The support Parasoft provided to get us onboarded was fantastic," said Shet.

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—Hirakant Shet, Director of Software Engineering at Velera

Using Virtualize, Velera's development teams created virtual services that simulate third-party dependencies. They delivered key advantages:

» **Parallel development.** Teams could work alongside third parties independently and simultaneously, dramatically accelerating delivery timelines.

» **Uninterrupted testing.** The solution eliminated exceptions for low test coverage, ensuring the development teams consistently meet robust quality gates.

» **Early validation.** By moving validation left, they could identify and resolve integration risks sooner.

Virtual asset creation is now baked into Velera's API delivery life cycle, seamlessly integrated into their DevOps pipelines and automation frameworks.

Their teams gained autonomy, eliminating waits for setting up external test environments. "There's no more waiting on some other team," said Hirakant.

The Results

Service virtualization transformed Velera's delivery speed and quality. Code coverage soared from below 40% to 80-90%.

"When we first adopted Virtualize into the development workflow, the development teams shared a lot of excitement as we saw

> "Projects that previously took a year, we completed in three to four months end to end with Parasoft Virtualize."
>
> —Hirakant Shet, Director of Software Engineering at Velera

> "We saw the code coverage number move from below 40% to hitting 80%. In many cases, it reached 90%."
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By coupling virtual services with test automation, regression testing became as simple as pushing a button.

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For Velera, adopting service virtualization has resulted in a dramatic reduction in rollbacks and significantly higher confidence in every release, accelerating time to market while safeguarding quality.

Take the Next Step

Request a demo to see how your dev team can accelerate releases and increase code quality.

About Parasoft

Parasoft helps organizations continuously deliver high-quality software with its AI-powered software testing platform and automated test solutions. Supporting the embedded, enterprise, and IoT markets, Parasoft's proven technologies reduce the time, effort, and cost of delivering secure, reliable, and compliant software by integrating everything from deep code analysis and unit testing to web UI and API testing, plus service virtualization and complete code coverage, into the delivery pipeline. Bringing all this together, Parasoft's award-winning reporting and analytics dashboard provides a centralized view of quality, enabling organizations to deliver with confidence and succeed in today's most strategic ecosystems and development initiatives—security, safety-critical, Agile, DevOps, and continuous testing.