

Case Study



Qualica Integrates Time Machine® into Its Fintech SaaS Offering to Enable Temporal Testing

Quote

"Time Machine is a great test solution for our cloud native bancX SaaS offering. When we launch our financial products, we need to be certain critical time-based functionality works. When a customer integrates our products into their IT stack, we know we rely on Time Machine to validate functionality before they go live. Win-Win for both us and our customers"

David Rogers, CEO of Radix Financial Software, which is the parent of Qualica.

About Qualica

Qualica is a South-African software company that offers banking software and service, as well as Banking-as-a-Service (BaaS) on a cloud platform to the financial sector.

Qualica provides a secure, rich banking and financial services platform with API's into current account, savings and investment, consumer loans, and mortgage lending capabilities. It enables a digital, mobile first, branchless, or branch mobile hybrid solution. The platform is architected using cloud native capabilities, allowing for deployment onto any Kubernetes cloud environments like Azure, AWS, Google or private, on premise solutions. Elastic scaling is provided across any of its micro services. This new generation core loan management solution enables micro lenders, retail, payroll, and unsecured credit providers to operate efficiently and profitably throughout Africa by means of a centrally located, online, real-time system.

Challenge

When the launch of their financial cloud-native bancX SaaS offering for their Fintech customer occurs, Qualica needs to be certain that critical time-based functionality works. Likewise, when their customers integrate Qualica products into their IT stack, they need to validate the functionality before they go live, which requires reliable temporal testing capability. Since the application is running in a containerized OpenShift environment, it makes time-sensitive functional validation a huge challenge to test across hundreds of micro service containers.

The Time Machine Solution

When the CTO of Qualica found Time Machine can time travel hundreds of micro service containers without needing to modify existing container images, he knew right away it's the solution that they need to run the critical testing for SaaS offering as well as for their Fintech banking customers.

Solutions-Soft's Time Machine provides software virtual clocks to time travel applications into the future or the past, facilitating time shift testing on date and time-sensitive application logic. Time Machine eliminates the need to change the system clock which is mission impossible for an environment consisting of a sea of containers! Time Machine is allowing

Contact

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testers to move their targets to the desired time points to quickly and easily run tests on hundreds of containers simultaneously. Time Machine operator or pod comes in on-the-side to provide time travel capability without the need to modify existing container images. Floating license server, enterprise management console and sync server make dynamic on-demand deployment of pods a breeze and enable test automation with Sync Server's URL api.

Qualica not only utilizes Time Machine for its own development test, but also bundles Time Machine into their integrated SaaS solutions for fintech/banking customers, for their testing needs.

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About Solution-Soft

Solution-Soft is the leader in virtual clock, time shift testing software solutions for the ever changing digital world. Our flagship and market proven product, Time Machine, opened up brand new possibilities in the application testing landscape upon its release in 1997. Today, thousands of applications have been tested with Time Machine, and IT professionals recognize that using a virtual clock is the ideal and safest way to conduct date and time testing. As pioneer in our field, we've created the Time Machine Product Suite, a collection of cutting-edge testing software that augment Time Machine to further streamline enterprise cloud initiatives and IT simplification. The product suite offers a complete solution for end-to-end application testing, cloud migration, test automation, Agile/DevOps, Continuous Operation, and Test Data Management. We proudly provide our 2000+ domestic and international customers, including 47 of Fortune 100 companies, our advanced solutions to optimize their testing and help deliver projects on-time. Solution-Soft's customers are across all market sectors including 3M, AMEX, Australia Tax Office, BBC, Boeing, British Gas, Covered California, Discover, Fed Ex, Federal Reserve Bank, French Telecom, National Australia Bank, and Zurich Insurance. We bolster our market presence through robust partnerships with companies including Accenture, Capgemini, Citrix, Delphix, DXC, FICO, HPE, IBM, Microsoft, Oracle, Red Hat and SAP.

Founded in 1993, Solution-Soft is privately held and based in Santa Clara, CA.