CLIENT

WEX Inc, New Zealand

A global leader in corporate payment systems, representing more than 9 million vehicles and offering exceptional payment security and control across a wide spectrum of business sectors, WEX Inc (NYSE: WEX) serves a global set of customers and partners through its operations around the world, with offices in the United States, Australia, New Zealand, Brazil, the United Kingdom, Italy, France, Germany, Norway, and Singapore .

ENGAGEMENT

Under an onsite engagement, Covalense has been involved in performance engineering of both web and desktop applications in WEX development and testing environment. Deploying both performance and functional automation tools using HP Suite (HP Load Runner, HP Performance Center, and HP UFT) and JMeter, Covalense has undertaken the feasibility of all protocols using Jacareto, AutoIt T, QTP integration with Load Runner etc to tweak and capturing response time and recommended a JMeter solution for their Desktop automation applications.

Performance testing for a Global leader in Corporate Payment Solutions...

WEX Fleet Cards for small businesses are one of the leading fleet cards, accepted at over 90% of all retail fuel locations, plus an additional 45,000 maintenance locations across the United States.

These cards are supported by their web and desktop applications through web APIs/services with good user experience. Current business scenario is to identify potential risks and opportunities for improvement towards performance of these applications.

There are challenges with the performance of their desktop application which has a rich smart client built on Java Swing technology and communicates with server (share files/database resources) and make calls remotely different with most of the desktop applications in general.

There are critical issues with the system performance and not responsive to the various licensed testing tools (HP Load Runner and Performance Center licenses) held by WEX.

Covalense
Performance Testing

SERVICES PROVIDED

- Undertaken performance assessment by studying the architectural and design artefacts.

- Identified critical bottlenecks to be profiled and targeted as part of the engagement.

- Performed the qualitative performance analysis and code profiling of identified bottlenecks.

- Validate by undertaking the performance analysis for focus areas and recommend improvements in application performance and scalability.

- Performed POC to validate recommendation and performance comparison metrics.

- Implement the roadmap as defined in phases and individual activities and executed the recommendations and validate performance improvements.

- Measure responsive time by comparison using reports from monitoring tools to showcase actual performance achieved in development environment.

SERVICE BENEFITS

- Covalense helped the client define and implement performance test strategy.

- Identified and suggested improvements towards front-end related risks (like web page minifying), backend related risks (like file reading) and database risks and environmental and infrastructure by incremental approach of performance testing.

- Undertaken system design validations and provided sophisticated graphs like Response Time, Hits/Transactions per second etc.

- Reduced risks and improved cost effectiveness and enhanced user experience

- Improve return on existing investments (ROEI) by improving application performance through JMeter solution for desktop automation.

- Scalability of applications enhanced without swelling existing infrastructure resources

Covalense

Microsoft
Partner Network

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As a well-recognised and reliable IT transformation partner to clients, Covalense is one of the fastest growing, flexible and adaptable IT services and solutions companies.

Speed-to-market the solutions and products is critical to the success and clients require the right processes, tools, and skills for agile delivery and market-leading quality. This is where optimal system performance testing is helping the enterprise stay ahead of the curve. Building quality throughout the life development cycles, Covalense's testing and QA practice help the enterprises to manage their software testing requirements and assists them in transitioning to an outsourced testing strategy.