

OPEN SOURCE PERFORMANCE TESTING - CASE STUDY

for a leading provider of comprehensive payment and image processing solution company

SNAPSHOT

Industry
IT

Business Challenge

- Meets the performance parameters set by the banks for procurement and deployment
- The budgets were not in place to procure commercial performance testing tools which provide quick and structured results in a short period of time.

Omnitech Solution

- A custom home grown framework for capturing data from JMeter, Windows and Solaris was created
- The framework was built using Java on JBoss and MySQL reducing the TCO for the customer
- The framework supported custom as well as standard data capture and reporting which allowed deployment of the solution for a wide range of products on various platforms

Company Overview

Client is a multinational major providing payment solution to banks worldwide. Their solution caters to a wide variety of needs of payment processes of the bank on an exhaustive set of platforms.

Business Challenges

The client wanted to establish that their solution meets the performance parameters set by the banks for procurement and deployment of the solution. The solution was undergoing lot of changes due to customizations requested by the customer. Every release had to be tested before the shipment to the customer. The time available to conduct performance testing was limited. The budgets were not in place to procure commercial performance testing tools which provide quick and structured results in a short period of time.

Technology Challenges

The platforms and variants of the solution were plenty. Applicability of Open Source performance testing tools out of the box was not conducive as the results were not structured enough to reflect the performance parameters required to certify the product for release.

Due to varied platforms collection of resource utilization statistics and performance data through a manual process was a time consuming process. Collation of this data in a proper structured and reportable format was also a tedious and time consuming process.

Business Benefits

- Performance testing was executed without expensive commercial tools
- Data collection of performance parameters was automated
- TCO for the customer was reduced drastically by the usage of open source technologies for building the framework
- Performance testing cycle times were reduced considerably.
- Performance testing as a process was effectively established
- Performance issues raised at client premises were minimized.

Solution

A custom home grown framework for capturing data from JMeter, Windows and Solaris was created using the vast expertise and experience in performance testing using various commercial and open source tools. The framework was built using Java on JBoss and MySQL reducing the TCO for the customer.

The framework supported custom as well as standard (template driven) data capture and reporting which allowed deployment of the solution for a wide range of products on various platforms.

Performance testing using the cumbersome JMeter tool was made adoptable and easy.

About Omnitech InfoSolutions :

Omnitech InfoSolutions is an ISO 9001-2000 certified technology services and solutions provider company in the Business Availability and Business Continuity space. The Business Availability services include Infrastructure Management, Application Management and Performance Management services whereas Business Continuity services include Disaster Recovery Consulting and Management, Data Vaulting and Workplace Recovery Services.

Omnitech InfoSolutions is also a world-class provider of turnkey IT solutions like Server & Storage Consolidation, Virtualization, Network Integration Solutions and Data Center Management Solutions, Omnitech provides end-to-end support with guaranteed SLA (Service Level Agreements) in order to optimize infrastructure management and align IT with business goals.

Contact Omnitech InfoSolutions today for free consultation

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