VISIONARY INTEGRATION PROFESSIONALS

AT A GLANCE:

Industry: Healthcare

Goal:
Verify that the client's Infor and Centricity systems can support anticipated loads before they are placed into a live production environment.

Challenge:
The team needed to simulate 500 concurrent users performing multiple critical processes simultaneously.

Solution:
VIP PROformance for Infor, a load and performance testing solution that uses HP LoadRunner and VIP's expert services.

Key Benefits:

- Verified that Infor can handle greater-than-expected traffic

- Identified system weaknesses

- Improved business throughput

Multi-state Medical Services Provider

VIP CONDUCTS PERFORMANCE AND LOAD TESTING ON INFOR'S PORTAL AND GE'S CENTRICITY ENTERPRISE

A medical services provider with locations in multiple states wanted to implement Infor's Portal for most of their finance-related business processes. The client also needed to verify and enhance the performance of their Centricity Enterprise V6 application before they placed it into production.

To conduct load and performance testing for both the Infor implementation and the Centricity upgrade, the client engaged Visionary Integration Professionals (VIP).

Goals

The client wanted to expose any system or network issues, identify areas for improvement, and provide recommendations and solutions to any problem areas revealed by the testing efforts for both the Infor Portal and the Centricity system.

Challenges

For the Centricity load testing, the client wanted to reach a minimum front-end transaction rate of 200,000 transactions per hour, with a desire to reach 400,000 transactions per hour. Testing needed to provide a profile of transactions at different locations for the duration of one hour, with a load of 400 concurrent users for the Centricity application, and 500 concurrent users over a range of one to five hours for the Infor Portal.

The client also wanted to verify the system resource levels encountered for different hourly transaction rates, and measure impact of remote users in various geographic locations. Finally, the testing effort needed to check the

data capacity of the client's internal LAN connection to both the Centricity and Infor applications, and simulate the critical business processes.

Solution

The VIP team created and executed a series of load and performance tests for the client, identifying areas for improvement, and working with the client to identify problem areas. To execute the testing effort, VIP utilized HP LoadRunner, supplied as part of the VIP PROformance program.

In order to imitate true system behavior, VIP's tests emulated concurrent, interactive users performing selected critical business process activities, with batch processes running simultaneously. This collection of users and background processes interacting with the system helped expose potential system issues caused by the user load.

During each of the load tests, the VIP team and client personnel reviewed the results of potential performance, capacity, and stability issues.

Results

At the end of the testing effort, VIP determined that the Infor system could sustain rates exceeding the client's identified transaction rates for extended durations. This not only demonstrated the system's ability to handle the expected loads, but it also gave the client solid data on what type of user experience could be expected during peak load periods.

The client had to make numerous changes to their Centricity environment in order to optimize performance. The Centricity system proved very reliable, and testing activity from the remote locations demonstrated no network issues.

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