

Alacrity Technologies uses the IBM Innovation Centre to size their application on System p servers

Alacrity Technologies (Alacrity) is a fast-growing Australian software vendor created to deliver on the promise of mobile Internet. Their application, Closed Loop Environment for Wireless (CLEW®) uses a combination of technologies including the internet and mobile devices to allow organizations to intelligently interact with their clients or staff with real-time information. This technology enables instant, intelligent interaction for time-critical information. Alacrity used the IBM Innovation Centre for Business Partners in Sydney in 2007 to test the performance of their application on IBM® System p hardware using WebSphere® Application Server and DB2® for Linux™ on POWER.

Andrew Marbrow, Operations Manager at Alacrity says that before the tests at the IBM Innovation Centre, the biggest challenge was that “potential large customers had repeatedly requested high volume load testing figures. We chose to strengthen our credibility in this area by utilising the IBM Innovation Centre to carry out our testing requirements”.

The IBM Innovation Centre helped Alacrity with setting up a System p Model p570 server with a Red Hat Linux operating system, running WebSphere Application Server V6 and DB2 V9. Rational® Performance Tester was used to develop scripts and simulate a concurrent user load.

After various combinations and tuning, the system was found to be stable with a load of 6000 concurrent users. This meant that a system configured in this manner could support approximately a quarter of a million (250,000) users per hour with a transaction time of around 90 seconds, although tests concluded that the average transaction time was less than 60 seconds. Alacrity were confident that the CLEW application could handle such high transaction volumes but were impressed the results were achieved with a single System p™ server. A sizing guide with recommendations from the System p model range has been generated and will be used in future proposals.

Andrew also says “Testing the CLEW application with a highly respected ICT organisation, such as IBM, in a quality environment has given Alacrity the information desired and required to confidently and effectively target larger prospective customers”.



For further information:

<http://www.alacritytech.com.au>

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