

Flash

IBM Oracle International Competency Center (ICC)



October 28, 2016

email address: ibmoracle@us.ibm.com

IBM Power System S824 Day-In-the-Life Benchmark with JD Edwards EnterpriseOne Applications 9.1.2 and Tools 9.1.4.4

In September 2016, IBM and Oracle announced the results of a new benchmark test for the JD Edwards EnterpriseOne applications. The IBM systems used for the benchmark testing were an IBM Power® System S824 server with a 4.2 GHz POWER8™ six-core processor card and 256 GB of memory, and an IBM FlashSystem™ 840 flash storage array. The Power S824 server ran in a logical three-tier configuration with the database, web server and application server instances in an AIX® operating system LPAR with three cores active.

The interactive user tests demonstrated 2250 concurrently active users running a mixture of JD Edwards EnterpriseOne applications at 0.279 second average response time and 94% average system utilization. This works out to an impressive 750 active users per core.

In mixed batch and interactive user tests the Power S824 server ran 1000 concurrently active users and completed 60 UBE (Universal Batch Engine) jobs per minute while maintaining a 0.218 second average response time and 96% system utilization.¹ This phase of the testing clearly demonstrated the POWER8 processor's strength at handling the demands of interactive and batch workloads simultaneously.

The official Oracle benchmark report for this benchmark test is available at:
www.oracle.com/us/solutions/benchmark/dilkit-jde-benchmark-ibm-results-3220743.pdf

A presentation summarizing the results of this benchmark test can be found at:
www-03.ibm.com/support/techdocs/atsmastr.nsf/WebIndex/PRS5355

A white paper discussing the tuning recommendations derived from the benchmark test is available here:
www-03.ibm.com/support/techdocs/atsmastr.nsf/WebIndex/WP102671

Please e-mail the IBM Oracle International Competency Center at ibmoracle@us.ibm.com with any questions you may have on this topic.

¹ This version of the JD Edwards EnterpriseOne "Day-in-the-Life" (DIL) benchmark kit is based on JD Edwards EnterpriseOne Applications 9.1 Update 2 and Tools release 9.1.4.4 and these results are not comparable with results for previous versions of JD Edwards EnterpriseOne, their respective Tools releases, or previous "Day-in-the-Life" benchmark kits.