

Dell PowerEdge 2950 Sets Dual Processor Record for SPECjbb2005 Benchmark



In July of 2006, the new 2U Dell™ PowerEdge™ 2950 set a new record for dual-processor Java performance using the industry-standard SPECjbb2005 benchmark.

- Dell delivers record-setting Java server performance for dual-processor servers
- The PowerEdge 2950 achieved a result of 102,099 SPECjbb2005 bops (business operations per second)
- Dell engineers worked closely with software developers from BEA Systems to ensure the JRockit Java virtual machine performed optimally on Dell's new generation of servers

Record Setting Java Performance

In July of 2006, the Dell PowerEdge 2950 recorded record-setting benchmark performance in the SPECjbb® Benchmark with dual Intel processors. The SPECjbb benchmark is designed to show the performance for a server running Java applications in a three tier environment. As many businesses rely on Java-based applications to run their critical applications, the performance of the PowerEdge 2950 shows that Dell is the right choice for Java applications in a network environment.

Company	System	Processor	SPECjbb2005 bops (bops/JVM)
Dell	PowerEdge 2950	Intel Xeon 5160 (3.0GHz)	102,099
Fujitsu Siemens	PRIMERGY BX620 S3	Intel Xeon 5160 (3.0GHz)	100,407
Fujitsu Siemens	PRIMERGY BX200 S3	Intel Xeon 5160 (3.0GHz)	100,279
Dell	PowerEdge 2950	Intel Xeon 5160 (3.0GHz)	100,149
Dell	PowerEdge 1950	Intel Xeon 5160 (3.0GHz)	99,485

High Performance and Availability to Maximize Uptime

The Dell PowerEdge 2950 server supports up to two of the latest dual-core Intel Xeon processors and the Intel 5000X chipset. The 2950 with these latest Intel dual core processors has shown dramatically increased performance and performance/watt versus previous generation PowerEdge servers using Intel Xeon dual core 2.8GHz processors¹. With the new capability to support eight 2.5" SAS drives, the 2950 also provides enough room to stripe data onto multiple drives for high performance in demanding environments.

Additionally, exceptional memory throughput and capacity is achieved with as much as 32GB of fully-buffered DIMM memory. The server includes PCI Express technology for excellent I/O throughput, and TCP/IP Offload Engine (TOE) which offloads the TCP/IP processing to a dedicated processor on the embedded NIC's for CPU performance gains. And with features like hot plug power supplies/fans, RAID configurations with battery backed cache, and an internal tape drive option for local data backup, the Dell PowerEdge 2950 helps ensure your data is protected and accessible.

About the SPECjbb2005 Benchmark

The SPECjbb2005 is one of a family of benchmarks from the Standard Performance Evaluation Corporation. The SPECjbb benchmark measures server-side performance of Java and emulates a three-tier system, which is the most common form of Java business applications according to SPEC®. In a three-tier environment, the business logic and object manipulation reside in the middle tier, which is what this test focuses on predominantly. The clients are the first tier and the database is the third tier.

SPEC®, and the benchmark name SPECjbb® are registered trademarks of the Standard Performance Evaluation Corporation. Competitive benchmark results stated above reflect results submitted to or published on www.spec.org as of July 24, 2006. The comparison presented above is based on the top-performing 2-chip, single-JVM results. For the latest SPECjbb2005 benchmark results, visit <http://www.spec.org/jbb2005>.



1 Performance results: SPECjbb2005 benchmark, Dell Labs, 12/05 and 4-5/06, PE2950 w/2 dual core Intel Xeon 5080 (3.73GHz) processors, 8GB 533Mhz FBD memory, 1x SATA 80GB/7.2K rpm HDD, Windows Server 2003 Enterprise x64 Edition OS, versus PE2850 w/2 dual core Intel Xeon 2.8Ghz processors, 8GB 400Mhz DDR2 memory, 1x SCSI 36GB/15K rpm HDD, Windows Server 2003 Standard Edition, SP1 OS. Performance/Watt results: SPECjbb2005 benchmark, Dell Labs, PE2950 w/2 dual core Intel Xeon 5160 (3.0Ghz) and 5080 (3.73Ghz) processors, 4GB 667Mhz and 533Mhz FBD memory, 2x SAS 73GB/15k rpm HDDs, Windows Server 2003 Enterprise x64 Edition OS, versus PE2850 w/2 dual core Intel Xeon (2.8Ghz) processors, 4GB 400Mhz DDR2 memory, 2x SCSI 36GB/15K rpm HD's, Windows Server 2003 Enterprise x64 Edition OS. Actual performance and power consumption will vary based on configuration, usage and manufacturing variability.