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Performance Brief

IBM @server *xSeries 370 delivers powerful performance for e-business computing*

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In recent measurements conducted with SPECweb99™, the new xSeries 370 server, announced worldwide March 22, set new performance records using Red Hat® Linux® 7.0 with TUX 2.0, handily surpassing the competition.

The xSeries 370 models are high-throughput, eight-way SMP-capable enterprise servers that incorporate the powerful Intel® 900MHz[1] Pentium® III Xeon® processor with integrated 2MB of full-speed ECC L2 cache.

The SPECweb99 benchmark was used to measure the xSeries 370 server's performance in 4-way, 2-way and 1-way processor configurations. The SPECweb99[3] results are summarized below.

IBM @server xSeries 370 - Simultaneous Connections		
Four Processors	**Two Processors**	**One Processor**
6,248	*3999*	*2,700*
System Hardware		
900MHz Pentium III Xeon / 2MB L2 Cache		
24GB Memory	16GB Memory	8GB Memory
5 x 18.2GB[2] 15K Ultra160 Hard Disk Drives		
Onboard Adaptec Controller		
Software		
Red Hat Linux 7.0		
Red Hat Threaded Web Server Add-On (TUX) 2.0		
Network Hardware		
Alteon® ACEnic™ PCI Adapter		
Alteon ACEswitch™ 180GbE		

Notes

(1) MHz only measures microprocessor internal clock speed, not application performance. Many factors affect application performance.

(2) When referring to hard disk capacity, GB, or gigabyte, means one thousand million bytes. Total user-accessible capacity may be less.

(3) SPECweb99 measures the maximum number of simultaneous connections, requesting the predefined benchmark workload that a Web server is able to support while still meeting specific throughput and error rate requirements. The connections are made and sustained at a specified maximum bit rate with a maximum segment size intended to more realistically model conditions that will be seen on the Internet during the lifetime of this benchmark.

Results referenced are current as of March 22, 2001. For the latest SPECweb99 results, visit http://www.spec.org/osg/web99.