



## Performance Brief

### **IBM @server x342 delivers powerful performance with SPECweb99**

**Powered and scaled for e-business growth**

**June 2001**

*In recent measurements conducted with SPECweb99, the new xSeries 342 server, announced worldwide June 26, set new records for 1- and 2-way SMP performance using Red Hat Linux® 7.1 with TUX 2.0.*

*The xSeries 342 servers give you the power of advanced Intel® 1GHz and 1.13GHz<sup>1</sup> Pentium® III processors and high-bandwidth PCI buses. Saving valuable space and rack resources, the xSeries 342 features a thin, rack-optimized 3U footprint. Packed with high-performance and advanced functionality features, this server is ideal for compute-intensive, Web-based or enterprise network applications where space is a primary consideration.*

*The SPECweb99<sup>2</sup> benchmark was used to measure the xSeries 342 server's performance in 2-way and 1-way processor configurations. The results are summarized below.*

<b>IBM @server x342 - Simultaneous Connections</b>	
<b>Two Processors</b>	<b>One Processor</b>
<b>3,227</b>	<b>1,820</b>
<b>System Hardware</b>	
1.13GHz Pentium III / 512KB L2 Cache	
4GB Memory	4GB Memory
6 x 18.2GB <sup>3</sup> 15K Ultra160 Hard Disk Drives	
Onboard Adaptec Controller	
<b>Software</b>	
Red Hat Linux 7.1	
TUX 2.0	
<b>Network Hardware</b>	
3COM/Alteon ACEnic PCI Adapter	
3COM/Alteon ACEswitch 180GbE	

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#### **Notes**

(1) GHz only measures microprocessor internal clock speed; many factors affect application performance.

(2) 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.

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

Results referenced are current as of June 26, 2001. The x342 models are available in the US June 26, 2001. For the latest SPECweb99 results, visit <http://www.spec.org/osg/web99>.