Performance Brief

IBM @server x343 server outshines Sun with SPECweb99 performance on Linux

March 2002

In recent measurements conducted with SPECweb99, the new xSeries 343 server, announced March 26, 2002(1), achieved 58 percent better performance than a similarly configured Sun Microsystems' Sun Netra 20.

The xSeries 343 server demonstrated the capability to support a total of 3,416 simultaneous connections using a configuration that included two 1.26GHz(2) Intel® Pentium® III processors with 512KB L2 cache and 6GB of memory, running Red Hat Linux® 7.1 with TUX 2.0 (Threaded Web Server Add-On).

The results achieved by the xSeries 343 easily beat the 2,156 result achieved by the Sun Netra 20, which used a similar configuration.

Simultaneous Connections	
xSeries 343 - Two-Way	**Sun Netra 20 - Two-Way**
3,416	***2,156***
System Hardware	
1.26GHz Intel Pentium III	750MHz UltraSPARC III
6GB Memory	8GB Memory
10 x 18.2GB(3) Ultra160 SCSI	9 x 18.2GB Sun StorEdge T3 1 x 36.4GB FC-AL
Onboard Adaptec 7899	Integrated FC-AL PCI Single FC Network Adapter
Software	
Red Hat Linux 7.1	Solaris 8 7 / 01
TUX 2.0	Zeus 3.3.8.4
Network Hardware	
2 x Intel PRO/1000 XT	2 x SUN Gigabit Ethernet
1 x Extreme Networks Summit Switch	1 x Cisco Systems Catalyst Switch

The xSeries 343 is engineered from the start to support telecommunications environments where Network Equipment Building System (NEBS) Level 3 compliance is required. This full-function, cost-effective, carrier-grade solution is based on Intel processor technology and Linux operating system support. This combination

provides high performance at a fraction of the cost of similar UNIX®-based solutions.

Ideally suited for telecommunications, wireless, and other applications that require dc power, this 2U-high, 20-inch deep rack model provides top-of-the-line function for xSeries products designed for telco applications. It is preconfigured with two-way SMP processors, substantial system memory, redundant power supplies, and an Ultra160 SCSI HDD that make it ready to handle advanced telco applications.

For More Information

Visit **ibm.com** for information about IBM products and services.

For information about SPECweb99 and a complete list of benchmark results, visit www.spec.org.

(1) Planned availability for the xSeries 343 server is April 30, 2002.

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

(3) When referring to hard disk drive capacity, GB means one billion bytes. Total user accessible capacity may be less.