Resources and Contacts

Americas:

Americas Techline (Q&A) techline@us.ibm.com

Americas TechLine/Solution Sizing Center
esizings@us.ibm.com

Europe Middle-East Africa (EMEA):

EMEA IBM/Oracle Joint Solution Center (Q&A, and
E-business Sizing) oraclibm@fr.ibm.com

Asia Pacific (AP):

IBM AP/Oracle Competency Center (Q&A, and E-
business Sizing) ibmoracc@jp.ibm.com

Associations of South East Asia Nations (ASEAN)
(Q&A and E-business sizing Techline)
techline@my.ibm.com

World Wide

IBM/Oracle International Competency Center
ibmoracl@us.ibm.com

Internal Web site for more information
http://w3.developer.ibm.com/isvsolutionlink/oracle

IBM Contact Information:
http://www.ibm.com/contact/us

Additional Contacts:

IBM xSeries Oracle9*i* RAC Website:
http://www.pc.ibm.com/ww/eserver/xseries/clusteri
ng/parallel_server.html

Oracle IBM Partner Site:
http://www.oracle.com/ibm/

IBM® ~ xSeries™

Intel® based platforms for Oracle database and applications

QUICK REFERENCE CARD

November 2003

IBM / Oracle International Competency Center
ibmoracl@us.ibm.com
2929 Campus Drive
Suite 275
San Mateo, California 94403
USA

IBM ~ & TotalStorage Advantage

- **Application Flexibility** providing the choice of building and deploying applications from a foundation of legacy and open standards with a strong commitment to open source and Linux.
- **Innovative Technology** for extreme performance, outstanding scalability, reliability and security.
- **Risk Mitigation** by leveraging all IBM servers, storage, finance, middleware, etc. and the ISV relationships.
- **Infrastructure Efficiency** with self-managing systems and distributed computing over a network.
- **TCO Reduction** via a vast portfolio of mainframe, UNIX, Intel-based and integrated servers and disk, tape or NAS storage

zSeries mainframe servers
Maximum performance, security and reliability for transaction processing and workload consolidation, supporting z/OS and zLinux.

pSeries UNIX-based servers
Powerful, scalable, and reliable UNIX servers, leveraging IBM's POWER technology running AIX and Linux.

xSeries Intel -based servers
Affordable, expandable and scalable systems running Windows 2000/NT, Linux, Novell and other operating systems

Enterprise Storage Server
Intelligent storage servers, designed to be one of the most versatile and cost-efficient storage servers in its class.

FAStT Storage Servers
For data protection with dual redundant components, multiple RAID levels, LUN masking and enhanced management options

Tape storage devices
Include the 3494 Enterprise Tape Library, the enterprise Virtual Tape Server and the line of Linear Tape-Open (LTO) technology midrange and high-end libraries.

Leading Benchmark Results

"The **Oracle Applications Standard Benchmark**, (OASB), is a comparable standard workload which demonstrates the performance and scalability of Oracle Applications and provides metrics for the comparison of Oracle Applications performance on different system configurations." Current results are posted at:

http://www.oracle.com/apps_benchmark/html/index.html?results.html

These results show that, as of November 6, 2003, the IBM xSeries model 445 leveraging its Enterprise x-Architecture™ blueprint maintains the highest concurrent user count for any Intel® based server running Linux on the OASB version 11.5.6.

System:	IBM xSeries 445, 8-way (2.8GHz) 32GB
User Count:	**18,368 (OASB 11.5.6)**
Average Response Time:	**0.59 seconds**
Database:	Oracle 9*i* R2 Enterprise Edition
Operating System:	SUSE Linux Enterprise Server 8
Date Submitted:	November 6, 2003

IBM has also posted a single-node result on the OASB workload (11.5.6), using the x440 server in June 2003.

System:	IBM xSeries 440, 8-way (2.0GHz) 32GB
User Count:	**5,656 (OASB 11.5.6)**
Average Response Time:	**0.474 seconds**
Database:	Oracle 9*i* R2 Enterprise Edition
Operating System:	SuSE Linux Enterprise Server 8
Date Submitted:	June 2, 2003

Oracle Certifications on xSeries:

Oracle has identified the operating systems below as strategic components of its overall platform strategy for Intel based servers. Oracle now certifies their code to the operating systems (OS) listed in the table below. Any server that the operating system vendor lists as certified on the OS vendor's website, Oracle will in turn regard as certified to run Oracle9*i*.

Oracle Certification Guidelines:
http://otn.oracle.com/support/metalink/content.html

IBM	Windows 2003 Enterprise Server*	Windows® 2000 Adv. Server*	Red Hat Enterprise Linux AS 2.1	SuSE Linux Enterprise Server 8
IBM BladeCenter 2-way Blade HS20	In Plan	√	√	√
x445 / x440 4/8-way	√	√	√	√
x360 4-way	√	√	√	√
x345 2-way	√	√	√	√
x335 2-way	√	√	√	√
e325 2-way	Special Bid	Special Bid	√	√
x305 1-way	In Plan	√	√	√
x255 4-way	√	√	Special Bid	√
x235 2-way	√	√	√	√
x205 1-way	In Plan	√	Special Bid	√
x382 2-way	In Plan		In Plan	√
x450 4-way	√ (64-bit)		√ (64-bit)	√ (64-bit)
x455 4-way	√ (64-bit)		√ (64-bit)	√ (64-bit)

* No support for Network Attached Storage.

Why IBM Servers for Oracle?

- IBM's strong technology relationship with Oracle. See: http://oracle.com/collateral/letter.rtf

- IBM's onsite engineering and hardware resources at Oracle Corporation

- IBM ~ xSeries provides an extremely wide array of scalable hardware solutions

- IBM's award winning (PC Magazine Editor's Choice, IBM Director 3.1, October 2002) systems management capabilities which help maintain uninterrupted operation and help lower Total Cost of Ownership

- IBM's world-class sales, support and service – proven commitment to customer satisfaction.

- Oracle and Linux Competency & Solution Centers provide technical expertise, benchmarking, sizing, customer briefings

- IBM xSeries Oracle Sizing Lab – located in San Mateo, California to validate Oracle sizing assumptions – located within minutes of Oracle's headquarters in Redwood Shores, CA

- IBM Linux Technology Center – Headquartered in Beaverton, Oregon aims to provide datacenter hardened features to enhance Linux