

The IBM Intel-based eServer xSeries server line is the ideal hardware for the Microsoft Windows Server platform. This line of high-end servers includes Enterprise X-Architecture technology and offers revolutionary advances in performance, memory, I/O capabilities and the “pay as you grow” approach to buying 32 and 64 bit x-series servers. These are just the capabilities you need in today’s “on-demand” technology environment.

### Scale-Out Hardware Solution

IBM eServer BladeCenter is the perfect scale out solution for deploying Microsoft Windows Server 2003 because of its density—enabling 14 blades with up to 2 Xeon processors all in a 7u dense form factor. This modular design gathers computing resources into cost-effective, high-density enclosures that support hot-swappable, high-performance blade servers. In addition to server resources, BladeCenter also integrates other infrastructure functions such as network and storage connectivity. This highly manageable solution provides support for sophisticated file, print, and storage services.

### Scale Up Hardware Solution:

The IBM eServer xSeries 445 harnesses the power of Intel’s Xeon MP processor and gives you the “pay as you grow” flexibility by scaling up from 4 to 32 way on a 32 bit system. IBM also has a 64 bit system, the eServer xSeries 455, that also offers scalability to meet your company’s needs. Pay as you grow choosing from 4 to 16 way solutions with Intel’s Itanium 2 processor. Both of these servers come in 4U rack optimized chassis and include Remote I/O, to give you proven performance and robust manageability for high-performance databases, server consolidation, and mission-critical e-business applications.

Another scale out option is the IBM e325. This 1u server uses AMD Opteron processors which include both 32 and 64 bit architecture on the same chip allowing you to run both 32 and 64 bit applications natively on the same server.

Discover how IBM and the Microsoft Server 2003 platform can help your business operate more efficiently. For more information on how you can upgrade from Windows NT Server 4.0 to Windows Server 2003, contact your local Microsoft and IBM representative or visit one of the following:

To receive a free<sup>4</sup> Windows Server 2003 Evaluation Kit: <http://www.microsoft.com/windowsserver2003/evaluation/trial/default.mspx>

Top 10 Features for Organizations Upgrading from Windows NT Server 4.0 at <http://www.microsoft.com/windowsserver2003/evaluation/whyupgrade/top10nt.mspx>

Technical Overview of Internet Information Services 6.0 at <http://www.microsoft.com/windowsserver2003/techinfo/overview/iis.mspx>

Using the Application Compatibility Toolkit at <http://www.microsoft.com/windowsserver2003/compatible/appcompat.mspx>

For the latest information about Windows Server 2003, see the Windows Server 2003 Web site at <http://www.microsoft.com/windowsserver2003>

For IBM Hardware information please visit: <http://www.pc.ibm.com/us/eserver/xseries/> or call 1-866-426-0472

### Need Services Capabilities?

By combining Microsoft technology services capabilities our IBM xSeries products, IBM Enterprise Services for Microsoft Technologies (ESMT) can assist you in migrating to the Windows Server 2003 platform, helping you do more with less and with greater speed, manageability and enhanced security features on a global basis. <http://www.ibm.com/services/its/microsoft>

<sup>4</sup>Shipping and handling fees may apply. See Web site for terms and conditions.

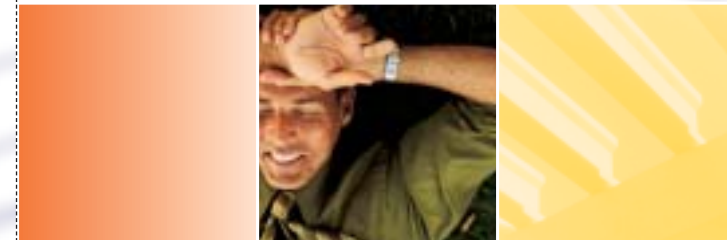
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Find out how you can do more with less, make the move to Microsoft® Windows Server™ 2003 from Windows NT® Server 4.0



As business demands continue to increase pressure on technology to:

- Drive down costs
- Promote better security and productivity
- Support a more scalable application environment

Microsoft’s latest operating system together with IBM’s line of xSeries Servers can help you overcome your business challenges.



## Relationship

**IBM and Microsoft understand that businesses need a combination of hardware and software systems that provide complete solutions. That's why we have shared technology and engineering resources for years building Microsoft® Windows®-based solutions that deliver great performance on IBM servers.**

The recent introduction of Windows Server™ 2003 makes this the perfect time to explore the opportunity to migrate your current Windows NT® Server 4.0 software onto a new IBM xSeries server.

### Why is IBM and Microsoft a great combination for you?

IBM and Microsoft offer a breadth of server hardware and software options to provide the right solution to meet differing business needs. The Windows Server 2003 family, together with Intel-based IBM xSeries Servers, offers the capabilities organizations need for enterprise computing in a cost effective model that gives you flexible pay as you grow options to both meet your current budget and grow with your future business needs.

This brochure focuses on the top three areas to help you save money through Windows NT® 4.0 migration and server consolidation:

- File and Print Productivity
- Database Infrastructure
- Web and Application Servers

## File and Print Productivity

As more business information becomes available in digital form, IT departments are faced with the challenge of how to provide a means to analyze it more creatively, search it faster, update it more easily, and share it more broadly. Windows Server 2003 addresses these expanding requirements with support for sophisticated file, print, and storage services that provide:

- Intelligent file storage to help protect data and provide more reliable access to data; up to 64% to 148% faster than all previous Windows Server products<sup>1</sup>
- Simplified management including several improvements to the Active Directory® directory service
- Potential for reduced costs through ShadowCopy, which enables users to access saved over or deleted files right from their desktop
- Increased collaboration using Windows Sharepoint™ Services



## Microsoft SQL Server 2000

Microsoft SQL Server™ 2000 and Windows Server 2003 provide a lean and agile database infrastructure that allows companies to be more responsive to business challenges by providing:

- Broad flexibility through a powerful collection of business intelligence solutions to help businesses make sense of and use information
- Data delivery through new capabilities such as notification services and integration to hand-held devices
- Scalability to take advantage of the Intel titanium-based 64-bit class of servers

## Web and Application Server IIS 6.0— New Request Processing Architecture

One of the highlights of the security enhancements in Windows Server 2003 is the complete redesign of IIS 6.0. IIS 6.0 is designed to provide:

- Less planned and unplanned system downtime
- Increased Web site and application availability
- Up to 487% increase in performance<sup>2</sup>
- Lower system administration costs
- Server consolidation (reduced staffing, hardware, and site management costs)
- A locked-down configuration for increased Web infrastructure security.

### Top Reasons to Migrate from Windows NT Server 4.0 to Windows Server 2003

Windows Server 2003 is the fastest, most reliable, and most secure Windows Server ever. Windows Server 2003 builds on the strengths of Windows NT Server 4.0 to take application and hardware performance to new heights.

Windows Server 2003 addresses expanding IT requirements through:

- Increased Performance over Windows NT Server 4.0: up to two times faster on average as a file server; up to three times faster serving dynamic Web content; up to four times faster serving static Web content<sup>3</sup>
- Simplified management including the advantages of Active Directory, ShadowCopy and the ability to provide intuitive file management solutions to end users via Windows SharePoint Services
- Scalability extending up to 64 processors in the 64 bit version
- Lower TCO and consolidation opportunities through the new powerful technology tools built into Windows Server 2003

<sup>1,2,3</sup> see <http://www.microsoft.com/windowsserver2003/evaluation/performance/etest.msp> for more information

