

Cross-Industry Solutions



*Building integrated solutions for
Microsoft Windows 2000.*



e-business

As an e-business leader, IBM has successfully helped companies like yours broaden e-business opportunities, lower overall costs and meet the increasing demands of today's competitive, networked world. To help you quickly and confidently achieve and maintain the e-business advantage, you can depend on IBM to provide open, scalable, reliable, solutions on the platform of your choice.

Fulfilling our commitment to support your heterogeneous environments, IBM is one of the first major vendors to introduce powerful hardware, rock-solid applications, global services and world-class support for the Microsoft® Windows® 2000 operating system. Since 1997, IBM has played a major role in developing integrated solutions and service offerings to help our customers exploit the new features and properties of the Windows 2000 operating system. IBM has also been named by Microsoft as a Windows 2000 Global Launch Partner — demonstrating our mutual commitment to the Windows 2000 platform.

IBM simplifies e-business

Microsoft Windows 2000 operating system is rich in distributed function for homogeneous computing environments, which connect numerous Windows 2000 desktops and servers. Still, the move to Windows 2000 will be a major transition for many companies; IBM can help smooth the way. We have more experience creating software for Windows NT® and Windows 2000 than any other vendor. We offer you a single point of contact for exploiting the Windows evolution; and no other vendor delivers such a broad range of integrated, secure products for a variety of enterprise IT environments.



Provides Windows 2000 customers with integrated, cross-platform solutions for today and the future

Our software applications extend the homogeneous model of Windows servers to the heterogeneous world that is the reality for most network enterprises today. And our programming model for e-business — the Application Framework for e-business — can help you leverage existing systems and skills investments to develop a new generation of applications. Our Application Framework for e-business combines cross-platform tools, standards-based software and a proven methodology that enable you to build a solid foundation for e-business.

End-to-end solutions to make migration easier

Over the past two years, IBM has committed significant resources to help our customers make a smooth transition to the Windows 2000 environment. With an immense amount of practical experience with Windows 2000, our lab teams continue to work closely with Microsoft's development team to help take advantage of the latest Windows features and functions.

The IBM Center for Microsoft Technologies (ICMT) is staffed with a team of software engineers who build optimized computing solutions and fine-tune our award-winning hardware. The center also provides worldwide Level 3 support for Windows 2000 and has extensive customer briefing capabilities on IBM hardware performance and migration methodologies.

IBM Software Group also has a team of Windows 2000 experts — the IBM Windows 2000 Systems Manager team — helping IBM, Lotus and Tivoli software development labs to optimize their products for Windows 2000. Our goal is to help you exploit the new Windows 2000 features, such as Active Directory and Microsoft Management Console.

“IBM and Microsoft are both heavyweight IT providers. Both have their strengths, but when it comes to providing the middleware that glues enterprise applications together, IBM has proven faster, fitter and stronger.”

*– James Governor,
Illuminata, Inc.,
“Tsuki Dashi BackOffice,”
December 1999*



End-to-end e-business solutions that extend the value of your products and improve your competitive reach



IBM software offerings for Windows NT and Windows 2000

IBM software solutions offer database, collaboration, host connectivity and file-sharing applications to help you gain a competitive edge.

Database and data management

IBM DB2® Universal Database™ stores approximately 70 percent of the world's data and links the world's business information to the Internet. DB2 Universal Database offers enterprise-class availability, performance and cross-platform support for a variety of operating systems. DB2 solutions for Windows 2000 have been tested extensively to help ensure compatibility and to exploit key features of the operating system.

Business integration

IBM MQSeries® products provide an open, scalable messaging and information infrastructure, enabling enterprises to integrate business processes. Our innovative, award-winning messaging products offer heterogeneous, any-to-any connectivity from desktop to mainframe, allowing seamless applications integration on more than 35 platforms.

IBM MQSeries for Windows NT, Version 5.1 runs on the Windows 2000 system, leveraging several Windows features, including Microsoft Management Console snap-ins and HTML-based help.

Systems management and Tivoli

Tivoli® Storage Manager (formerly Tivoli ADSM) helps you reduce deployment time and effort by integrating function—such as automated network backup, restore and archive, storage management and disaster recovery—through a browser-based interface. To help you exploit Windows 2000 system services, Tivoli Storage Manager proactively manages information growth and integrates fully with hundreds of storage devices as well as LAN, WAN and emerging storage area network (SAN) environments.

Print management

IBM Infoprint® Manager delivers the first enterprise print solution for Windows NT and Windows 2000. Infoprint Manager for Windows provides centralized printer and job management and supports the Internet Printing Protocol standard, allowing mobile access to any supported printer anywhere using the Internet. Our solution can handle print production at speeds of 1,002 pages per minute and manage printer output from PC-based network applications as well as from IBM AS/400® and IBM S/390® environments. Infoprint Manager enables printer sharing from multiple applications or hosts and has the flexibility to support multiple print datastreams to a single printer.

“By working closely with IBM, we both win...Mellon ensures that it gets reliable systems when Windows 2000 is released and implemented, and IBM can be sure that their systems will work effectively in that environment.”

— Joe Cirra,
Systems Analyst,
Mellon Financial,
November 1999



Networking and communications

IBM Communications Server is an industry-leading Telnet server and the most advanced SNA gateway on Intel platforms. An integrated part of IBM Host Integration Solution for e-business, Communications Server for Windows NT and Windows 2000 offers you proven, secure, enterprise-class availability, connectivity and manageability, as well as superior Web-to-host integration support. The IBM Host Integration Solution includes these products:

- IBM Personal Communications: delivering the leading terminal emulator for workstations
- IBM Host On-Demand: providing host applications through a Java™ technology-enabled Web browser
- IBM Screen Customizer: rejuvenating host applications by giving them a Web look and feel
- IBM Host Publisher: integrating host application data and extending it to users over the Web using any browser

Application server software

IBM WebSphere™ Software is built with open, component-based, reusable technologies that will drive the future of Web application development—technologies that can also shorten development cycles and ease your administrative burden. WebSphere Software has been updated to run on Windows 2000.

IBM offers scalable, complementary WebSphere Application Server editions for every business need:

- Standard Edition: For Web site producers, this server enables the use of Java servlets and Java Server Pages (JSP) technology to quickly and easily transform Web sites and portals from static pages to vital sources of personalized dynamic content.
- Advanced Edition: For application programmers, this high-performance Enterprise JavaBeans™ (EJB) server enables deployment of business logic using EJB components. It also includes all the functionality of the Standard Edition.

- Enterprise Edition: For enterprise architects, this server integrates disparate business systems across your organization to build robust e-business applications and maximize the reuse of resources. Enterprise Edition incorporates the capabilities of the award-winning IBM TXSeries™ and Component Broker technologies. It also includes all the functionality of the Advanced and Standard Editions.

IBM WebSphere Commerce Suite (formerly IBM Net.Commerce) includes tools to create and manage e-commerce Web sites and complex catalog data; server software to host e-commerce sites; and robust payment software to handle secure Internet payments. Prebuilt sample stores enable every aspect of e-commerce site creation, from entry to advanced levels. And for greater functionality, unique stores and catalogs can be created and then integrated with existing back-end systems.





“IBM has mobilized its large resources company-wide behind Windows 2000. It stands ready to provide proven, cross-platform enterprise middleware for integration with other systems and an extensive range of Windows 2000 services. IBM can clearly ensure successful, large-scale deployment of Microsoft’s new flagship in demanding, real-world customer roles.”

– Ian Bramley,
Chairman, Enterprise NT
and Windows 2000
Management Forum and
Director of Enterprise Platforms,
Butler Group

Lotus® Domino™ R5 servers provide integrated messaging and collaborative Web application software. Domino R5 servers improve customer responsiveness and streamline business processes. Based on a singular architecture, Domino servers are the proven choice when connecting multiple software products for messaging, knowledge management and data distribution and replication. Lotus Domino R5 servers offer integration with Windows 2000 directory and system management to provide a low total cost of ownership. Lotus Notes® R5 offers state-of-the-art e-mail, calendaring, collaboration, Web access and information management client software — integrated in an easy-to-use and customizable personal portal environment.

Application development

IBM VisualAge® for Java establishes leadership in development tools for the Windows 2000 environment. Many of the features that make VisualAge for Java an integrated development environment have been ported to the Windows 2000 operating system, allowing developers to quickly build, test and deploy 100% Pure Java™ applets, applications, Enterprise JavaBean components and servlets. VisualAge for Java supports the development and management of Java programs that can scale from Windows NT to IBM OS/390® application servers. Tighter

integration with IBM WebSphere Application Server, IBM WebSphere Studio and DB2 Universal Database speeds development time and improves productivity, while providing easier, secure access to enterprise data.

IBM Netfinity servers

The more users and data your servers handle, the more critical they become in keeping your e-business running smoothly. IBM provides the flexibility and choice you need to scale horizontally, by adding servers or vertically, by moving to larger servers.

Award-winning IBM Netfinity® servers set the standard for affordable enterprise computing with powerful processing, top-rated system management and industry-leading service and support. Netfinity servers offer a reliable foundation for e-business computing, Internet communication, collaboration, Web application development, e-commerce and Web serving. You can depend on the superior performance of Netfinity X-architecture servers running on the Windows 2000 platform to offer low-cost operation for businesses migrating to the next level of mission-critical enterprise applications.

Netfinity servers make Internet communication and collaboration easier by including Lotus Domino Application Server, five Lotus Notes collaboration client licenses and five Web-browser client-access licenses at no additional charge with the purchase of most Netfinity systems between January 1 and December 31, 2000. With Netfinity servers, you can confidently run solutions ranging from simple e-mail to unified messaging, Web site hosting and collaborative applications. To learn more about Netfinity server offerings, visit our Web site at ibm.com/hetfinity.

IBM desktops and notebooks

IBM Personal Systems Group delivers a broad choice of powerful, reliable, manageable and secure systems designed to harness new Windows 2000 technologies. To help extend the advantages of the Windows 2000 operating system, we offer a range of technical services and support for thin clients, portable and desktop systems, including certain models of IBM PC 300® desktop PCs, IBM ThinkPad® notebooks and IBM IntelliStation® workstations. To help simplify the transition to the Windows 2000 platform, we provide 30 days of installation support for Windows 2000 upgrade customers through IBM PC HelpCenter®. For more information about Personal Systems Group offerings, visit our Web site at ibm.com/pc/us/ibmpc/pcmsnt.

Services and support

IBM Global Services offers skilled support services to help you gain maximum value from Microsoft technologies, while reducing the risk, solution cycle time and resource constraints associated with its deployment. IBM Global Services is establishing 16 consulting practices worldwide to help assess, design and implement Microsoft-based solutions in complex environments.

The Enterprise Services for Microsoft Technologies practice is focused exclusively on providing consulting services and technical support for the Microsoft product suite. Enterprise Services for Microsoft Technologies services include Windows 2000 consulting, application development, education and desktop management.

Get to market quickly, develop faster

The future of e-business requires new, innovative solutions that leverage your existing systems and software investments while reducing the expense and cycle time associated with traditional business operations.

IBM can help you achieve a competitive advantage on Windows platforms. We're leveraging our enterprise expertise to help you build reliable, manageable and secure network systems that take advantage of Microsoft technologies. You can depend on IBM to deliver world-class e-business solutions based on open, Internet standards — all with the security, scalability and transactional reliability necessary to successfully run your e-business.

For more information

To learn more about IBM e-business solutions, contact your IBM marketing representative or IBM Business Partner. Or visit our Web site:

[**ibm.com/build**](http://ibm.com/build)

For more information about IBM and Windows 2000, visit our Web site:

[**ibm.com/windows2000**](http://ibm.com/windows2000)





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