Microsoft® Windows® 2000

The Operating System for E-Commerce and Line-of-Business Applications

Microsoft® Windows® 2000 Advanced Server is the easy way to Internet-enable your business.

Windows® 2000 Advanced Server operating system contains all of the features and functionality of the standard version of Windows 2000 Server, plus additional features for organisations that require higher levels of scalability, reliability, and availability. Windows 2000 Advanced Server is ideal for demanding Internet servers and business-critical applications, where scalability and high availability demands are most critical.

Windows 2000 Advanced Server provides integrated system scalability through enhanced symmetric multiprocessing. As well, the two Windows Clustering technologies – Cluster service and Network Load Balancing – contribute added availability and multi-system scalability. Combined with relatively inexpensive PC hardware, Windows 2000 Advanced Server gives organisations a powerful and scalable alternative to more expensive proprietary solutions.

INTERNET-ENABLE YOUR BUSINESS

Windows 2000 Advanced Server will enable organisations to readily pursue Internet-based solutions and opportunities. With comprehensive Web, security and communication technologies built in, and the scalability and performance to handle the demands of Internet traffic, Windows 2000 Advanced Server delivers a unique, Internet-enabled platform on which to take advantage of the Business Internet.

- **Platform for rich Web-based business solutions.** With the built-in Web services of Internet Information Services 5.0 (IIS), and support for the Internet development language XML, organisations can easily host and manage Web sites, build and deploy powerful Web solutions, and share information with drag and drop publishing capabilities. And, with support for 8 processors and 8GB of memory, your solutions can scale to meet the demands of Internet traffic.

- **Reduce time-to-market for new Web-based solutions.** Build distributed applications to maximise performance and automatically scale to support large numbers of users. With COM+, developers can write or modify complex software faster, with more reusable components and less customised code.

- **Internet scalability and performance.** Scale up by utilising the latest 8-way SMP servers for more processing power. Scale out quickly and easily by distributing incoming IP traffic across a farm of load-balanced servers. Incrementally expand capacity, up to 32 servers, to the farm using Network Load Balancing.

MORE RELIABLE

Windows 2000 Advanced Server will enable organisations to minimise network interruptions to end-users. With system architecture improvements for higher server uptime, fault tolerant and redundant systems for increased availability, and online configuration and maintenance capabilities, Windows 2000 Advanced Server delivers you the confidence that your servers will be up and running, and your organisation will be open for business.

- **High system uptime.** Significant improvements to the core operating system, such as improved memory management, reduce unplanned downtime. New file protection capabilities prevent new software installations from replacing essential system files and causing failures. And, new device driver certification identifies drivers that may destabilise the system, before you install them.

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- **Increased server and network availability.** Two-node Cluster Service supports fail-over, caused by hardware or software failure, of critical applications, including databases, knowledge management, ERP, and file and print services.

- **Dynamic system configuration.** Online maintenance and dynamic configuration capabilities reduce planned downtime. Administrators can now perform many management tasks including volume management and disk defragmentation, without interrupting end-user activity on the server. Most reboots associated with maintenance activities and hardware installations have been removed.

- **Rolling upgrade support.** Using Cluster service and NLB, avoid downtime caused by planned maintenance or upgrades using rolling upgrades. Migrate your applications or IP workload to one node, upgrading the first node, and then migrating them back. You can roll out hardware, software, and even operating systems upgrades without taking the application offline. Both Windows Clustering technologies are backwards compatible with their Windows NT® Server 4.0 predecessors.

EASIER TO USE AND MANAGE

Windows 2000 Advanced Server will increase efficiencies and productivity across your organisation. With improvements that make the system easier to deploy, manage and use, powerful centralised administration enabled by the Active Directory™ service, and a standards-based approach to interoperability with your existing systems, Windows 2000 Advanced Server will increase efficiencies of your IT staff, end-users and systems.

- **Easy to deploy, configure and use.** Build and deploy servers faster with configuration wizards that set up system services, including Active Directory and DNS, and tools that deploy copies of that system image across multiple servers. Quickly configure Clusters with the improved and streamlined Cluster service setup wizard. Perform remote installations using SysPrep support for Cluster service.

- **Centralised management for lower total costs.** Active Directory enables centralised management of distributed networks. It enables powerful new desktop management features, automated software distribution and delegation of administration tasks. And, integrated Terminal Services enables remote server management from any desktop. Run Cluster Administrator from any Windows NT or Windows 2000-based system to remotely control multiple Clusters from a single location.

- **Leverage existing IT investments.** Interoperability with client systems, including previous Windows operating systems, Macintosh and UNIX; server systems including Novell NetWare and UNIX; directories including Microsoft Exchange, Novell NDS, and others; and network devices and peripherals, helps ensure Windows 2000 Advanced Server will work with systems you already have in place.

BEST FOR NEW DEVICES

Windows 2000 Advanced Server supports the latest advances in networking and peripheral hardware, including USB devices, high bandwidth and directory-enabled networking devices, to ensure the platform you build today takes advantage of the latest technology advances and supports your future investments.

- **Utilise the latest server hardware.** Support for the latest advanced 8-way SMP servers running Intel's Profusion chipset and architecture, and up to 8GB of memory support with Intel's Physical Address Extension (PAE).

For further information, please visit www.microsoft.com/uk/serverfamily