

Microsoft®
**Systems Management
Server 2003**

Microsoft® Systems Management Server 2003, the comprehensive solution for application deployment, asset management, and security patch management.



Microsoft® Systems Management Server (SMS) 2003 provides a comprehensive solution for addressing and resolving your change and configuration needs. Systems Management Server 2003 enables you to:

- *Deliver critical business applications reliably and easily to users in the right place at the right time.*
- *Reduce software costs and stay compliant by understanding the installed application base and their usage.*
- *Improve security of the Windows® environment through increased vulnerability awareness and reliable targeted delivery of updates.*
- *Deliver enterprise management to the growing mobile workforce through industry standards independent of connection or location.*
- *Reduce operational costs by fully utilizing the management capabilities built into the Windows platform.*

<http://www.microsoft.com/smserver>

Effective and Efficient Management

Systems Management Server 2003 is Microsoft Corporation's strategic solution for change and configuration management of Windows-based systems. As hardware and software assets comprise a large portion of the IT budget, corporations are becoming more focused on finding ways to reduce these costs while continuing to deliver valuable business capabilities. Systems Management Server 2003 delivers on this by reducing the overall operational costs of managing and deploying software.

Simplified, Reliable Software Deployment

While new applications often offer valuable business capabilities, large-scale deployment projects have become less feasible given the difficulty and cost associated with such a project – resulting in potentially placing businesses at a competitive disadvantage. By providing a comprehensive solution for planning, testing, deploying, analyzing, and optimizing software applications, Systems Management Server 2003 delivers end-to-end capabilities to help enable the seamless deployment of the latest business productivity application to every device - from server to handheld.

Understanding Software Assets

As corporations are becoming more focused on reducing costs, the ability to accurately track corporate software throughout the lifecycle and stay compliant with vendors' licensing policies has become a necessity. Systems Management Server 2003 provides an integrated way to not only know what applications are installed, but to track application usage as well. It can track which users are running applications, for how long, and how many instances concurrently. This

functionality is fully integrated with the enterprise scalable inventory of Systems Management Server 2003, and will allow you to save money on potential new application purchases, stay compliant on existing products, and effectively phase out unused applications, resulting in enterprises using what is paid for and paying only for what is used.

Securing the Enterprise

Failing to implement a comprehensive patch management strategy could have severe consequences for enterprises - critical business production systems may fail, or security-sensitive systems could be maliciously exploited - all leading to a potential loss in productivity, time, access to business applications and subsequent revenue. Systems Management Server 2003 delivers an enterprise proven solution for managing patch deployment, providing a set of tools and processes that enables quick and easy determination of Windows-based systems in need of critical updates, and the ability to test and reliably deploy these updates throughout their environment, allowing enterprises to proactively maintain the integrity of their Windows environment.

Supporting a Mobile Workforce

As corporate workforces evolve from cubicle dwellers to road warriors, this increased degree of mobility introduces additional challenges for managing PC's and devices. By using the rich manageability infrastructure in the Windows operating system, industry standard Internet technologies such as HTTP, and the technology and best practices from Windows Update – used today to implement hundreds of millions of software updates per month – Systems Management Server 2003 has extended its enterprise scalable

asset management and software distribution solution to the mobile client. Software can be distributed to machines over slow link connections without interrupting the core business functions and as users move from location to location, Systems Management Server 2003 determines their physical location and enables the download of critical software from the closest source.

Windows Management Services Integration

Taking advantage of the built-in management capabilities within Windows systems, management solutions can reduce operational costs by not duplicating infrastructure and functionalities already available. By integrating with the Windows platform, and then investing in the backend technologies, such as Windows Management Instrumentation (WMI), Active Directory®, and Windows Installer Services, Systems Management Server 2003 provides an increased level of manageability for Windows-based clients.

Integrating Operations and Technology

Although Systems Management Server 2003 provides all the capabilities for change and configuration management of the Microsoft platform, without also implementing the operational processes in place to utilize these capabilities, enterprises will not be able to realize the full potential of this technology to effectively manage Windows-based servers and clients. To assist enterprises in implementing these processes and technologies effectively, Microsoft offers a series of Solutions Accelerators for Systems Management Server. Developed as part of Microsoft Solutions for Management, the Solution Accelerators provide a blueprint for addressing key management issues by combining people, process, and technology to help solve specific customer scenarios. The Solution Accelerators are integrated with Microsoft Operations Framework (MOF), management best practices based on the discipline of the IT Infrastructure Library (ITIL). By taking an approach based on process as well as technology for solving management issues, MOF focuses on reducing unplanned system downtime caused by technology,

process and people failures. The Solution Accelerators for Systems Management Server include:

- New Application Installation Solution Accelerator using Systems Management Server, delivering an end-to-end supported solution that implements best practice processes to address software deployment of a new application onto an existing Windows Operating System.
- Patch Management Solution Accelerator using Systems Management Server providing guidance for deploying software patches, service packs, and Quick Fix Engineering (QFE) fixes to Windows servers, SQL Server™, Exchange, and desktop clients.

For additional information about Microsoft Solutions for Management and Solution Accelerators, see:

www.microsoft.com/msm

Systems Management Server 2003 Features at a Glance

Business Value	Capabilities
Application Deployment	<ul style="list-style-type: none"> • Detailed application deployment planning: Detailed reports available in Systems Management Server 2003 ease the application deployment process. For a planned deployment, it is easy to obtain the target groups current hardware base, existing applications and version information, and the current service pack and hotfix levels of the system. • Rich distribution targeting: Software distribution and other management tasks can be finely targeted to machines and users using a wide variety of properties including network and hardware configuration, Active Directory organizational unit, or group membership and software installation status • Delta distribution between site servers and distribution points: When alterations are made to previously deployed software package sources, only the source changes are propagated between Systems Management Server 2003 site servers and distribution points, rather than the entire application image • Elevated rights Windows Installer Service: Because Systems Management Server 2003 supports the Windows Installer service (.MSI), it is able to switch user account contexts during a package installation allowing for self-healing application installation on “locked-down” systems. • Add/Remove Programs support: Applications can be easily published to the Add/Remove Programs interface to provide users with a consistent way of installing applications.
Asset Management	<ul style="list-style-type: none"> • Application usage monitoring: Summary and detail reports can be generated describing which applications were used by which users, for how long and on which managed systems. Usage can be tracked by user or computer, and reports created comparing concurrent usage data to current license ownership (compliance reports). • Granular software inventory file level searching: Now you can configure Systems Management Server 2003 to get you all the asset discovery you need, but only what you need. • Detailed hardware inventory: WMI enhancements allow improved client-side performance during inventory scans and a richer set of inventory data, including BIOS and chassis enclosure data. • Web-enabled reporting: More than 120 pre-built reports are included, covering hardware and software inventory as well as computer status and software deployment progress.
Security Patch Management	<ul style="list-style-type: none"> • Vulnerability identification: Using standard Microsoft security tools like the Microsoft Baseline Security Inventory Analyzer and the Office Update Inventory Tool you are able to inventory your systems for applicable patches and vulnerabilities. • Patch deployment wizard: A simple console wizard is provided to assist administrators in deploying required patches to managed devices. • Vulnerability assessment and mitigation reporting: After missing security patches have been identified, the results of these individual scans are then rolled up into the central database for reporting and targeting purposes. As missing patches are deployed, this data may be optionally updated in real time.
Mobility	<ul style="list-style-type: none"> • Bandwidth-aware clients: The new Advanced Client uses the Background Intelligent Transfer Service (BITS) technology to automatically detect the capacity of the client network connection and adjust transfer rates efficiently. • Checkpoint/ restart: Upon reconnection, any partial downloads to clients will continue where they left off; there is no need to restart transmissions because of a disconnected session. Checkpoint/restart works at a byte level, requiring only the download of those bytes in a package that haven't already been transferred • Download and execute: After a new software package has been successfully downloaded to a client, it remains in cache on the client system until the prescheduled install time, at which time it is executed. • Location Awareness: As mobile users move through geographic locations, flexible site boundaries ensure that they always receive software packages and updates from the nearest appropriate installation source, and are not required to install software across the enterprise WAN.
Windows Management Services Integration	<ul style="list-style-type: none"> • Active Directory discovery: Systems Management Server 2003 can automatically discover the Active Directory properties of both users and systems, including organizational unit container and group level membership. Software packages can then be targeted based on these Active Directory attributes. • Active Directory-based site boundaries: Site boundaries can now be based on Active Directory site names, rather than simply on IP subnets. • Advanced Security Mode: Built-in computer and local system accounts can be used for all server functions (such as database access), dramatically simplifying the management of accounts and passwords within Systems Management Server 2003 and making the enterprise more secure by not creating extra high-rights accounts. • Improved status tools: The status data provides real-time information about the current state of Systems Management Server 2003 processes, both on servers and clients. • Windows XP Remote Assistance support: The high-performance Windows XP Remote Assistance feature is now an option for remotely troubleshooting clients directly from the Systems Management Server Administrator Console when a user is present at the remote machine. By integrating with the manageability features already in Windows XP.

Specifications

To use Microsoft Systems Management Server 2003, you need:

For server components

- PC with 550 MHz or faster processor (Intel Pentium/Celeron family or compatible processor recommended)
- Microsoft Windows 2000 Server, Windows 2000 Advanced Server, or Windows 2000 Datacenter Server with Service Pack 2 or later; or Windows Server™ 2003 Standard Edition, Windows Server 2003 Enterprise Edition, or Windows Server 2003 Datacenter Edition
- 256 MB of RAM (4 GB of RAM maximum)
- 2 GB of available hard-disk space
- Microsoft SQL Server 7.0 with Service Pack 3 or later, or SQL Server 2000 with Service Pack 3a or later
- CD-ROM or DVD-ROM drive
- Network interface card
- Windows 2000-compatible video graphics adapter
- Keyboard and Microsoft Mouse or compatible pointing device, or hardware that supports console redirection
- Internet Information Services (IIS) must be installed as part of the Windows Server installation for certain Systems Management Server site system roles; for specific details, see the "Getting Started" chapter in the Microsoft Systems Management Server 2003 Concepts, Planning, and Deployment Guide

Microsoft Systems Management Server 2003 supports up to eight processors per server machine.

For the client installation

- PC with 300 MHz or faster processor recommended; 133 MHz minimum required (Intel Pentium/Celeron family or compatible processor recommended)
- Microsoft Windows 98; or Windows NT® Workstation 4.0, Windows NT Server 4.0, or Windows NT Server 4.0 Enterprise Edition with Service Pack 6 or later; or Windows 2000 Professional, Windows 2000 Server, Windows 2000 Advanced Server, or Windows 2000 Datacenter Server; or Windows XP Professional; or Windows XP Embedded with Service Pack 1 or later; or Windows Server 2003 Standard Edition, Windows Server 2003 Enterprise Edition, or Windows Server 2003 Datacenter Edition
- 128 MB of RAM or higher recommended (64 MB supported; may limit performance and some features)
- 80 MB of available hard-disk space
- Network interface card
- Microsoft Internet Explorer 5.0 or later
- Super VGA (800 × 600) or higher-resolution video adapter and monitor
- Keyboard and Microsoft Mouse or compatible pointing device

Actual requirements will vary based on your system configuration and the applications and features you choose to install.



For more information about Microsoft Systems Management Server 2003 visit <http://www.microsoft.com/smsserver/>. For the latest management news and more information on Microsoft's broad range of resources for managing your environment, including support programs, events, training, and the Microsoft Management Update Service, visit Microsoft Management Online at <http://www.microsoft.com/management/>.

TO ORDER:

To order Microsoft Systems Management Server 2003 or other Microsoft management tools, or to receive a reseller referral in the United States or Canada, call (800) 621-7930, Dept. A334DS. Outside the United States and Canada, please contact your local Microsoft subsidiary. Customers who are deaf or hard-of-hearing can reach Microsoft text telephone (TTY/TDD) services by calling (800) 892-5234 in the United States or (905) 568-9641 in Canada.

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