

# Microsoft System Center: Manage Complexity and Achieve Agility

At Microsoft®, we never lose sight of the people who deploy, manage, and use our software. We understand that IT professionals face an increasingly complex IT landscape amidst demands to manage costs while optimizing the flexibility and agility of their IT environment to drive new business opportunity. To meet these demands, Microsoft offers System Center, a family of leading IT management solutions that helps you proactively plan, deploy, manage, and optimize your IT environment.



## THE GOAL: MANAGE COMPLEXITY AND ACHIEVE AGILITY

Microsoft System Center plays a central role in Microsoft's vision to help IT organizations benefit from self-managing, dynamic systems. System Center solutions capture and aggregate knowledge about your infrastructure, policies, processes, and best practices so your IT staff can optimize your IT structure in order to reduce costs, improve application availability, and enhance service delivery.

With an aim to enable self-managing dynamic systems, System Center solutions provide comprehensive management of physical and virtual environments, resulting in improved efficiencies and better control. These solutions are used by the world's most successful companies, and provide the reliability, scalability, and security required to manage the most mission-critical IT systems, applications, and services.

A well-managed IT environment improves an enterprise's bottom line and productivity. Using System Center solutions, you can connect your organization's people, processes, and tools across your development and operating environments. As a result, you can manage complexity and achieve agility.

## BENEFITS REALIZED

With the System Center family of IT management solutions, you have the power to more effectively and easily manage all of the components that define IT, allowing you to focus more on delivering new business value for your organization. System Center solutions fuel productivity, are the best choice for managing your Windows®-based systems and applications, provide the reliability, scalability, and security required to exceed service level commitments, and establish a foundation for growth.

### Fuels Productivity

System Center solutions are built to enable IT professionals to quickly and easily perform complex tasks. System Center solutions help fuel productivity with the following benefits:

- **Drive knowledge-driven IT management.** Better manage your critical platforms, applications, and workloads by accessing and applying expert knowledge. Obtain comprehensive support

and diagnostic information for Windows Server® and client operating systems, Active Directory® directory service, the Microsoft Office system, and more.

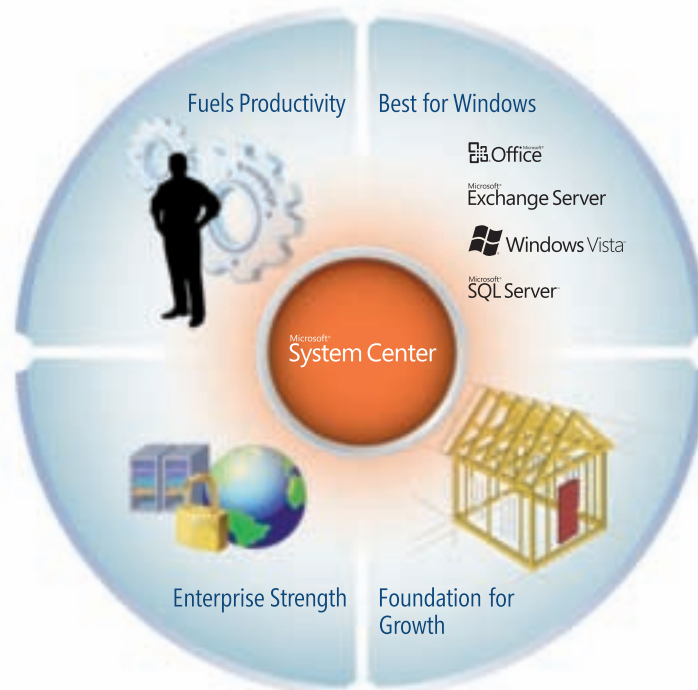
- **Automate information discovery.** Take advantage of the System Center family of products' ability to use Active Directory and the Windows platform to discover information about your system, automatically. You can have automated, remote deployment of agents that discover, connect, and self-activate management servers. You can also automatically identify, catalog, and report on software assets throughout the organization.
- **Simplify customization tasks.** Access easy-to-use wizards and authoring and editing tools to customize System Center management packs, service templates, configuration changes, and scripts for your line-of-business applications.

### Best Choice for Windows

Make the most of your existing investments. The System Center family integrates with, and simplifies, management of the Microsoft-based systems and applications your company already has implemented. The following benefits make System Center solutions the best choice for Windows operating systems:

- **Draw on leading expertise.** Get the most comprehensive, leading expertise for managing your workloads and Windows-based systems. The knowledge, guidance, and best practices that are built into the System Center family come directly from Microsoft development teams.
- **Integrate management of key solutions.** Nobody knows the Windows Server operating system or Windows XP and Windows Vista™, Exchange Server, SQL Server, Microsoft Office SharePoint® Products and Technologies, or Active Directory better than Microsoft. System Center delivers integrated management of these business-critical Microsoft solutions.
- **Benefit from extensive breadth of coverage.** With the System Center family you can complete the most diverse assortment of tasks. For example, deliver native management capabilities that range from Windows Mobile® devices to enterprise-class

#### MICROSOFT® SYSTEM CENTER PILLARS



Windows-based servers; or manage the smallest hardware component, the most complex, service-oriented architecture-based IT services, and anything in between.

- **Experience the Microsoft vision and commitment.**

The System Center family is an entry point for the Dynamic Systems Initiative. System Center solutions use most of the technology that was developed through the Dynamic Systems Initiative—such as Web Services for Management (WS-Management), virtualization capabilities, and Service Modeling Language.

### Enterprise-Strength Management

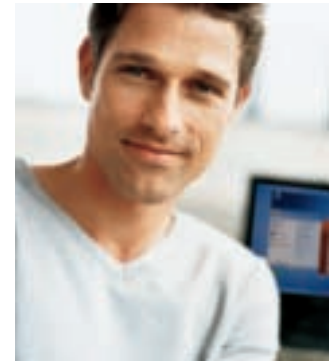
Achieve the enterprise-class reliability, scalability, and security necessary to manage the largest, most complex infrastructure—all with a solution installed in most Fortune 500 companies. System Center solutions support enterprise-strength management with the following benefits:

- **Achieve enterprise scalability.** Implement management servers that can scale to accommodate any size organization and can tier to provide consolidated views of the enterprise.
- **Help maintain a more secure IT environment.** The System Center family automates tasks to simplify the discovery of system vulnerabilities and the distribution of security updates. In addition, through a role-based architecture, the System Center family helps enable secure execution of tasks that require elevated privileges across your operations team.
- **Deliver consistent, reliable, accessible services.** With features that include failover technologies, automated system checks, and operating system and application-level virtualization capabilities, the System Center family can help the delivery of continuous application and client service.
- **Minimize risk of new application deployments.** Proactively manage and mitigate risk associated with IT environment changes. Using modeling and application virtualization capabilities, you can manage the impact a new application or configuration change will have on your IT environment—regardless of its location.

### Foundation for Growth

Keep pace as your infrastructure grows and changes by taking advantage of the extensible architecture of the System Center family. System Center solutions provide a foundation for growth with the following benefits:

- **Maximize IT spending and operations.** With the System Center family, you can manage your entire IT environment centrally and virtually, helping you achieve operational agility, optimize resource usage, and make the most of your IT economics.
- **Employ best practices across the organization.** The System Center family supports Microsoft Best Practices Analyzers and makes it possible for your organization to develop and deploy solutions.
- **Efficiently manage incidents, problems, and configurations.** The System Center family provides a flexible, scalable, and extensible data model that allows you—from a policy and services perspective—to consistently define, deploy, monitor, and manage your IT resources.
- **Deliver high-quality service, every time.** By supporting industry standards, such as the IT Infrastructure Library (ITIL) and the Microsoft Operations Framework, the System Center family provides best practices that facilitate delivering high-quality IT services.



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“Microsoft’s System Center family with its new product releases is increasingly offering enterprise class management for critical workloads such as Exchange messaging and SQL data management.”

Stephen Elliot  
Research Manager,  
Enterprise Systems  
Management Software, IDC



## Case Study: eBay

*eBay Consolidates E-Mail Servers  
71 Percent, Supports Rapid Growth  
While Cutting Costs*

### Customer Business Challenge

- eBay needed to boost the scalability of the company's messaging infrastructure while reducing costs
- Highly dispersed deployment had 85 servers spread across 25 locations

### Solution

- Upgraded to Microsoft® Exchange Server 2003 on Windows Server® 2003
- Monitors/manages the solution using Microsoft Servers
- Also using Microsoft Operations Manager with SQL Server™ 2000, Active Directory® and Terminal Services

### Customer Results/Benefits

- Reduced mailbox costs 70 percent
- Cut time to add mailboxes from three weeks to one day
- Increased stability, improved operations, and reduced costs

**"Thanks to Microsoft Operations Manager, we don't waste time and get frustrated chasing problems that aren't there. Now, the problems we see are real and we act on them immediately."**

- Shane Line  
Manager of Corporate  
Infrastructure and Architecture  
eBay

*Case Study results not typical and are dependent on each customer's hardware and software configuration.*

## MICROSOFT SYSTEM CENTER—A FAMILY OF LEADING IT MANAGEMENT SOLUTIONS

Enterprise IT departments need solutions that support performance and availability monitoring, software updates and deployment, data storage and recovery, problem management, capacity management, IT reporting, and operations management. The System Center family encompasses leading IT management solutions that accommodate all of these needs.

### System Center Operations Manager

Microsoft System Center Operations Manager 2007 (formerly known as Microsoft Operations Manager), affords you a comprehensive, overall view of the health of your IT environment. Operations Manager 2007 is the software solution that provides an easy-to-use environment that tracks thousands of event and performance monitors across hundreds of operating systems and applications.

- **End-to-end service monitoring.** Operations Manager provides best of breed, end-to-end service management for the Windows platform. With features such as distributed application monitoring, synthetic transactions, client monitoring, Service Modeling Language-based system and health modules, and Agentless Exception monitoring, you achieve a high level of efficiency and control over your IT environment.
- **Best-of-breed manager for Windows.** With Operations Manager, you gain access to more than 50 management packs for various Microsoft software applications—all of which include information and reports about the best practices implemented by Microsoft IT and product support services.
- **Enhanced efficiency and control.** Operations Manager automates routine, redundant tasks and provides intelligent reporting and monitoring to help increase efficiency and enable greater control of your IT environment.

### System Center Configuration Manager

Microsoft System Center Configuration Manager 2007 (formerly known as Microsoft System Management Server) drives IT productivity and efficiency by reducing manual tasks and enabling you to focus on high-value projects, maximize hardware and software investments, and empower end-user productivity with the right software at the right time. Configuration Manager 2007 contributes to a more effective IT department by enabling secure and scalable operating system and application deployment, desired configuration management, enhancing system security, and providing comprehensive asset management of servers, desktops, and mobile devices.

- **Operational simplicity.** Configuration Manager is an easy-to-use tool with drag and drop capabilities and an intuitive user interface that also helps to reduce the complexity of systems management. New capabilities ensure systems will be checked and updated before joining the network, the operating system and application deployment is greatly simplified for both new and existing systems, and configuration changes and system updates are managed effectively, regardless of location or device type.
- **Scalability.** With Configuration Manager, you can support workers wherever they work—be it on desktops, laptops, servers, mobile, or embedded devices. Configuration Manager scales to support more than 250,000 managed nodes, and it effectively supports remote branch offices with diverse network and administrative needs.
- **Security and compliance.** Configuration Manager makes it easy to discover and fix system vulnerabilities and to identify systems that lack compliance with corporate policies. In addition, it helps prevent compromised systems from joining the network and ensures that the latest hardware and software security updates are applied.

### System Center Data Protection Manager

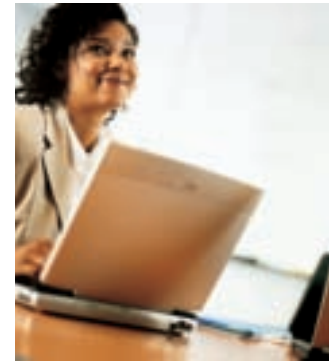
Backing up data to disks provides the fastest way to recover data that has been lost as a result of user error or software and hardware corruption. Microsoft System Center Data Protection Manager 2006 optimizes and speeds disk-based backup and recovery, delivers consistent data protection, and increases your IT organization's operational efficiencies.

- **Rapid and reliable data recovery.** Information recovery is as simple as copying content directly from a production server. Data Protection Manager 2006 also speeds data recovery with always-accessible disks—eliminating the time otherwise spent locating and mounting archaic tapes. Recover files in minutes, instead of hours, and even prevent failed recoveries.
- **Efficient and near-continuous data protection.** By supporting centralized backup of branch offices and backup enhancement within the data center, Data Protection Manager continuously protects changed files to an alternative disk, which can then be backed up to tape. Data Protection Manager also uses efficient, byte-level replication to deliver faster backup and less potential data loss. Get easy backup verification and setup, and protect your file servers in just minutes.
- **Operational simplicity.** Data Protection Manager can help lower the total cost of your data-protection environment by improving your organization's efficiency. Consolidate backup efforts at the data center, empower end users to perform their own recoveries, and implement rich, out-of-the-box reporting and monitoring functionality.

### System Center Essentials

Issues related to IT management are a consistent pain point for most midsized businesses who often face challenges similar to those of larger enterprises. And to manage these issues, many organizations use multiple applications or manual processes instead of a single, comprehensive management tool. Frequently, these tools don't accommodate the exact needs of the midsized business and, instead, are either overly complex or too narrow in scope. Microsoft System Center Essentials 2007 is a proactive, unified management solution that enables IT professionals in your midsize organization to more efficiently secure, update, monitor, and troubleshoot your IT environments.

- **Unified experience.** Essentials 2007 provides a unified solution to help optimize a broad set of tasks across your entire IT environment—for example, generating reports about the status of your IT environment. In addition, Essentials provides a single console from which you can view and manage all of your servers, clients, hardware, software, and IT services.
- **Proactive management.** Essentials enables you to proactively monitor your IT environment by notifying you as soon as a problem occurs, and then helping you to diagnose and fix the problem. Essentials also automates system updates and data collection for your IT environment, helping to make it more secure and up-to-date.
- **Increased efficiency.** Essentials is easy to deploy and maintain, using simple wizards to expedite deployment and configuration tasks. Essentials also simplifies complex management tasks—such as packaging and deploying software or adding Web site monitoring and configuring policies—for increased IT efficiency.



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“Across EMEA, we’re gaining 180,000 hours a year in improved productivity because of software deployments that are automated by Microsoft technology.”

**Michael Partsch**  
Chief Information Officer EMEA  
Central Region EDS

## Case Study: BT Germany

*German Network Services Provider  
Dramatically Improves Service with  
Dynamic Monitoring*

### Customer Business Challenge

- BT Germany was using an ineffective system management tool
- If a server had a problem, it was often difficult to identify the precise cause and find a solution fast enough to avoid user impacts

### Solution

- The company replaced its existing system management tool with Microsoft® Operations Manager 2005
- It was first rolled out to the company's 50 internal servers then to its external customers

### Customer Results/Benefits

- Reduced management complexity
- Rapid response to server problems
- Improved IT service to internal end-users
- Easy integration with existing monitoring tools
- Proactive problem identification and resolution

**"The solution delivers enterprise-class operations management and improves the efficiency of our IT operations. In turn, we now spend less time managing issues and more time delivering new services to our customers."**

- Siegfried Meissl  
Head of IT Operations  
BT Germany

### System Center Virtual Machine Manager

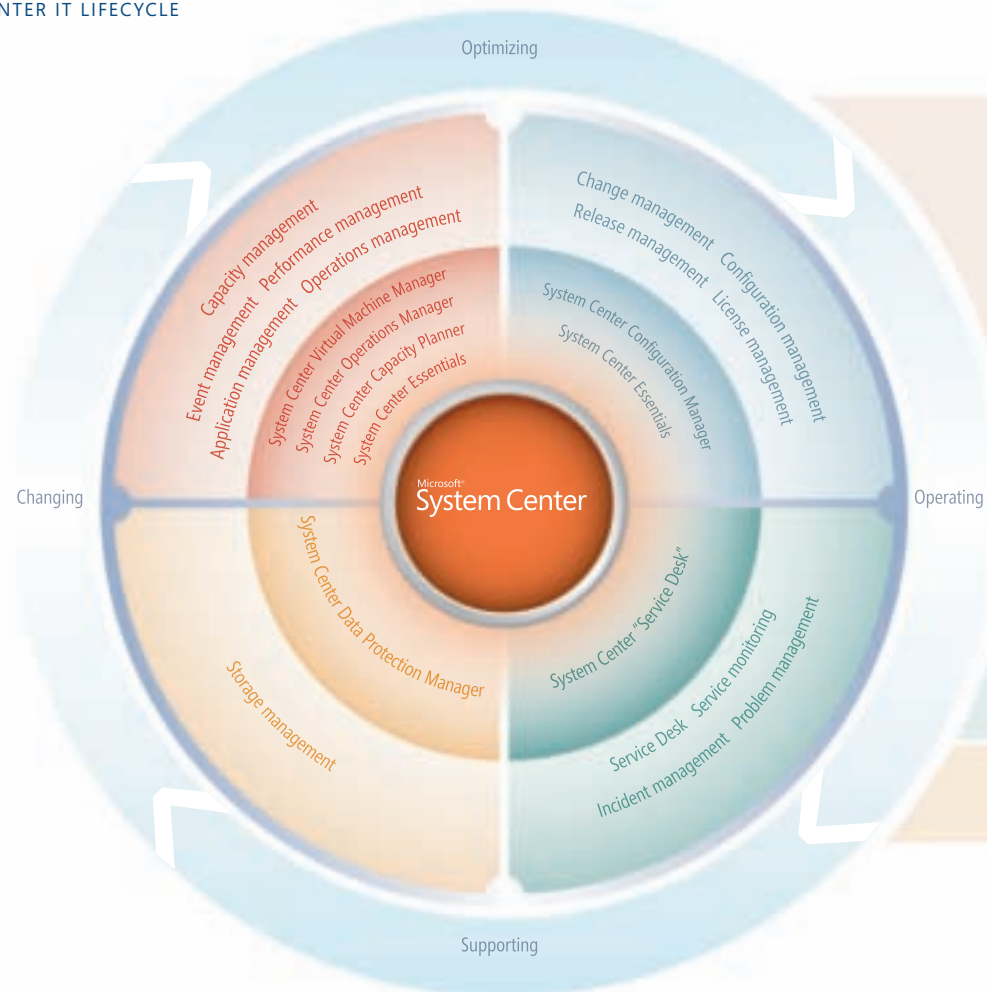
Microsoft System Center Virtual Machine Manager 2007 is a stand-alone management application for a virtual data center. Virtual Machine Manager 2007 increases use of your physical server, allows you to manage your infrastructure centrally and virtually, and lets both administrator and end users rapidly provision new virtual machines.

- **Resource optimization.** Use intuitive wizards to migrate physical computers to virtual computers. Quickly map default values from the physical computer to the virtual computer, and

use algorithms to optimize placement of virtual computers for load balancing or resource maximization.

- **Operational agility.** Complete IT administrative tasks faster with templates, and create self-service provisioning portals that support role-based customization.
- **Centralized management.** Manage physical and virtual computers through a single interface, use multiple views to access the exact information you need, and access a library of offline building blocks that can be used to create a virtual data center.

MICROSOFT® SYSTEM CENTER IT LIFECYCLE





Microsoft System Center, Code Name "Service Desk"

A key function of IT service management is the service desk. The service desk provides a contact point where people interact with IT services to resolve issues. The service desk also provides an organization's management with visibility into the overall performance of the IT environment through reports and dashboards.

A new Microsoft System Center product, code name "Service Desk," is being designed to help meet these functions. Investment in the service desk area will provide powerful new functionality, especially

in incident, problem, and asset and change management. When tightly integrated with other existing System Center products, you can have tremendously productive, end-to-end automation of your IT processes.

- **Simple and easy to use.** Service Desk provides an easy, intuitive interface for all users. They have an easy way to log requests, check status, or search knowledge. Make your Microsoft Operation Framework processes feel "real." Minimize the complexity associated with system deployment and configuration tasks.



| Microsoft System Center Offering      |  |  |
|---------------------------------------|--|--|
| System Center Operations Manager      |  | Provides best of breed, end-to-end service management for Windows®, increasing efficiency and gaining greater control over your IT environment.  |
| System Center Capacity Planner        |  | Pre-deployment capacity planning solution provides best-practice guidance and hardware-specific knowledge for IT professionals planning a deployment for Microsoft Exchange Server 2003 or Microsoft Operations Manager 2005.  |
| System Center Virtual Machine Manager |  | A standalone management application for virtualized data center that enables increased physical server utilization, centralized management of virtual infrastructure, and rapid provisioning of new virtual machines by the administrator and end users.   |
| System Center Essentials              |  | Essentials provides a unified management solution to help IT professionals in midsize organizations proactively and efficiently manage their IT environment.   |
| System Center Configuration Manager   |  | Enables secure and scalable operating system and application deployment, desired configuration management, system quarantine, and comprehensive asset management of servers, desktops, and mobile devices.   |
| System Center "Service Desk"          |  | Family of management products providing IT staff a set of easy to use, highly automated solutions for managing their infrastructure and services. "Service Desk" provides powerful functionality in areas of incident, problem, asset and change management that, when integrated with existing System Center products, provide a productive platform for end-to-end automation of IT processes. |
| System Center Data Protection Manager |  | Speeds disk-based backup and recovery, delivers consistent data protection, and increases your IT organization's operational efficiencies.   |

"Microsoft's presence in this market sector is sure to shake up the current market leaders."

Mary Turner  
Vice President  
Ovum Summit

## Case Study: Holland & Knight

*Law Firm Improves Security and IT Efficiency with Systems Management Software Update*

### Customer Business Challenge

- Holland & Knight needed to eliminate time intensive processes for reporting on the success of software deployments and security updates
- Needed an accurate, time-efficient method for tracking technology assets

### Solution

Upgraded to Microsoft® Systems Management Server 2003 and Windows Server® 2003 to improve its reporting process and further automate and streamline IT management

### Customer Results/Benefits

- Reporting time reduced by 99 percent
- Increased operational IT efficiency
- More accurate, streamlined asset management

**“It used to take one person two days to identify which machines had been successfully updated. With Systems Management Server 2003, it takes less than 10 minutes.”**

- John Henson  
SMS Administrator & Network Analyst  
Holland & Knight

- **Easy to extend and configure.** With the Service Desk offering, you get customizable forms and wizard-driven configurations for workflows. Also extend your service desk functionality with solution packs by creating a solution that meets your exact needs.
- **Deep integration with system-management solutions.** Service Desk supports rich integration with system-management solutions, including Operations Manager for incident management, and Microsoft Systems Management Server 2003 as well as Configuration Manager for asset discovery. In addition, receive a software development kit that you can use to integrate third-party products.
- **Strong technology foundation.** The Service Desk solution uses Microsoft Office server technologies, such as Microsoft Office SharePoint Server 2007 and Microsoft Office Forms Server 2007, for a knowledge repository and Web-based forms. Benefit from process automation driven by the workflow engine in Windows Workflow Foundation and from a configuration management database based on the systems-definition model.

### System Center Capacity Planner

Microsoft System Center Capacity Planner 2006 is a predeployment capacity-planning solution that provides best-practice guidance, hardware-specific knowledge, and “what if” scenario planning. It helps you make solid architecture decisions as you plan to deploy Exchange Server or Operations Manager.

- **Proactive performance planning.** Analyze infrastructure-sizing information so you can reserve the right amount of space for new applications while you consistently meet your service-level goals—both today and in the future.
- **Infrastructure planning and optimization.** Plan ahead for IT purchases to help optimize cost spending.
- **Performance analysis and predictive reporting.** Proactively manage current and future performance issues by receiving automatic reports of performance trends and bottlenecks.

## MICROSOFT'S COMMITMENT TO TECHNOLOGY INITIATIVES AND STANDARDS

Microsoft has a long-term commitment to reduce the complexity of the IT life cycle and to help enable IT professionals to deliver business value to their organizations. As a demonstration of this commitment, Microsoft is actively developing software solutions and people and process methodologies. Overarching and guiding the progress of all development is Microsoft's Dynamic Systems Initiative, exemplified in the System Center family of leading IT management solutions and the Microsoft Operations Framework.

### The Dynamic Systems Initiative:

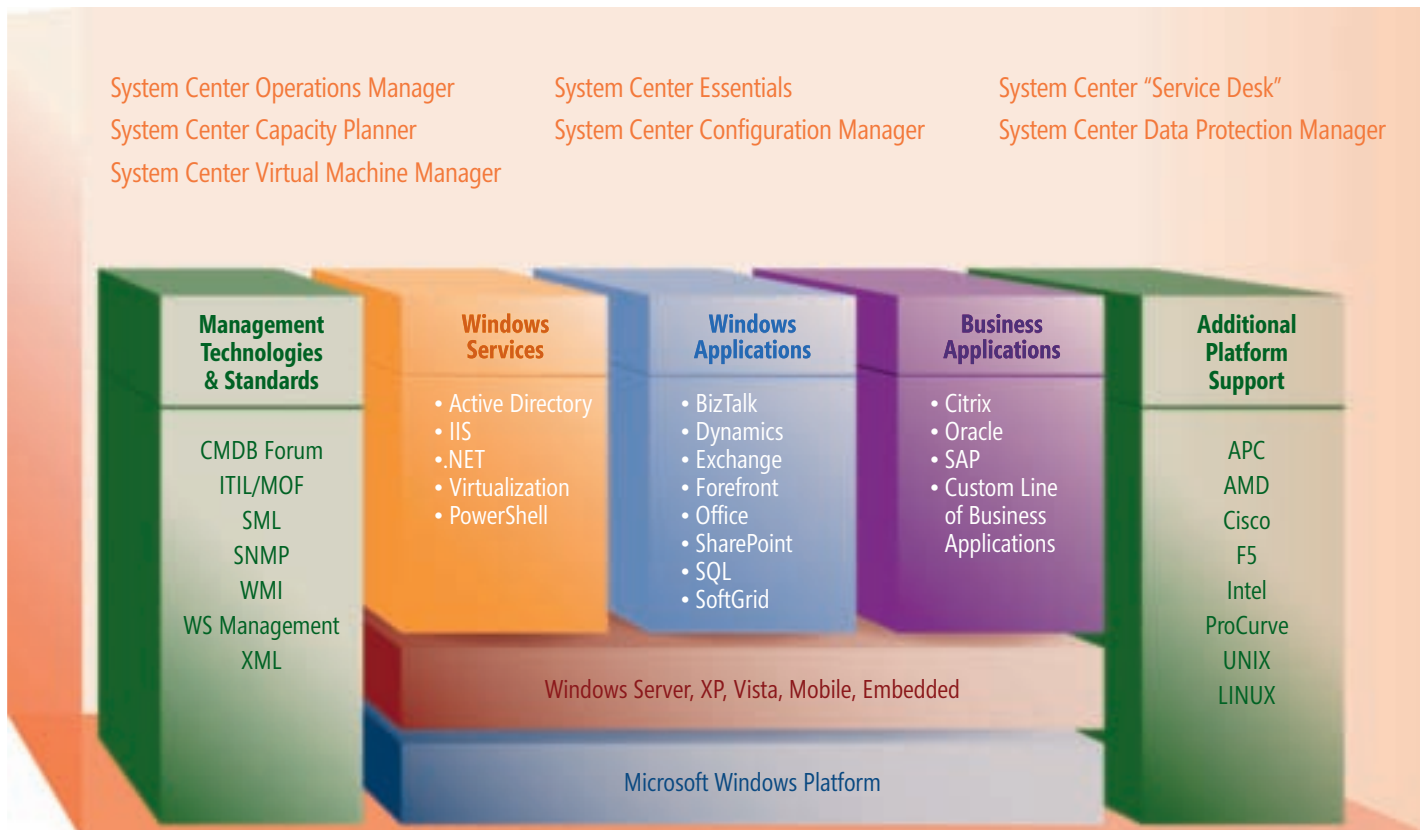
Microsoft's vision of self-managing, self-healing dynamic systems.

From a core technology perspective, the Dynamic Systems Initiative is about building software that allows knowledge about an IT system to be created, modified, transferred, and operated on throughout that IT system's life, such as:

- Knowledge of the designers' intent for the system
- Knowledge of the environment in which the system operates
- Knowledge of the IT policies that govern the system
- Knowledge of the user experience associated with the system



### MICROSOFT® SYSTEM CENTER ECOSYSTEM



Using the System Center solutions, particularly SMS for managing our desktop environment, has enabled us to make dramatic savings in software distribution."

Matthew O'Neill  
Group Head, Distributed Systems  
HSBC

## Case Study: Des Moines Public Schools

*Metropolitan School District Expects  
to Cut Data Costs by 94 Percent*

### Customer Business Challenge

Low-speed links to the district's data center made it difficult to back up the elementary schools' growing volume of data. Backup tape drives at each school also hindered disaster recovery.

### Solution

Using Microsoft® System Center Data Protection Manager 2006, the district successfully backed up elementary schools' data centrally in a fraction of previous backup times.

### Customer Results/Benefits

- Annual cost savings of U.S. \$135,000
- Improved file recovery capabilities
- Increased operational efficiency
- Improved disaster recovery

**"Data Protection Manager solution is incredibly affordable... for school districts that run on tight budgets."**

- Robert Bledsoe  
Network Architect  
Des Moines Public Schools

You can use a variety of authoring and development tools to capture this knowledge in software models. Today, for example, software models for hardware and software can be created in the form of management packs for Operations Manager. In the long term, all facets—including software, hardware, and network (components and configurations)—and behaviors of a system will be modeled using a schema called the System Definition Model (which in the future will be called Service Modeling Language), which defines a mechanism for capturing information about systems in reusable models. By delivering software and solutions that enable you to collect and use knowledge of an IT system, Microsoft's Dynamic Systems Initiative benefits IT organizations in several ways:

- Helps reduce time and effort required to troubleshoot and maintain systems
- Helps improve system compliance with business and IT policies
- Enables increased responsiveness to changing business demands

Through the Dynamic Systems Initiative, Microsoft is helping businesses break the reactive IT cycle and move closer towards IT becoming a strategic asset in the business.

### Supporting Technology Standards

Microsoft understands that customers demand choices, have a wide variety of needs, and operate in heterogeneous environments. To that effect, Microsoft has worked closely with other industry leaders to develop proposed technology standards, such as Service Modeling Language, and existing technology standards, such as Web Services for Management. The System Center family uses of these technologies and others, helping IT organizations create a more integrated IT environment.

### Service Modeling Language

Service Modeling Language is based on System Definition Model work by Microsoft. By using the System Definition Model, businesses can create a live blueprint of an entire system.

Businesses can use various software tools to create and manipulate this blueprint; the blueprint can also define system elements and capture data that is pertinent to development, deployment, and operations. As a result, the data becomes relevant across the entire IT life cycle.

Service Modeling Language provides a common language for capturing all of the knowledge components of an IT system, and enables this knowledge to be consumed and augmented throughout the IT system. Based on Microsoft's research in service modeling, the Service Modeling Language provides a rich set of constructs for creating models of complex IT services and systems. These models include information about configuration, deployment, monitoring, policy, health, capacity planning, target-operating ranges, service-level agreements, and other configuration attributes.

### Web Services for Management

In April 2006, the Distributed Management Task Force membership made WS-Management an approved standard. WS-Management is a Web Services specification that addresses the cost and complexity of IT management by providing a common way for systems to access and exchange management information. WS-Management combines the practicality of a small number of fixed operations with scalable Web Services architecture as its technical foundation. WS-Management is a composite definition over other existing Web Services standards and specifications that describe the management operations. Because the protocol is defined as a standard, it can be implemented in a resource-constrained environment, eliminating the need for a low-level wire protocol.

By using Web Services to manage IT systems, deployments that support WS-Management will enable IT managers to remotely access devices on their networks, regardless of whether the systems are just out-of-the-box, powered-down, or otherwise unavailable. WS-Management also supports a full spectrum of usage scenarios, which includes managing everything from silicon components and handheld devices to computers, services, and large-scale data centers.

### Service-Oriented Architecture

Service-Oriented Architectures help businesses leverage access to existing IT components and application services; assemble them into larger business processes; and make the outputs available to users in order to run their organization more effectively. System Center provides service oriented management functions for the business critical services that include Exchange Server, SharePoint Products and Technologies, and Active Directory. Infrastructure technologies such as Windows Server, SQL Server, the .NET Framework, and Internet Information Services, which are used as building blocks for custom line-of-business applications, are supported via wizards and powerful new authoring and editing tools that are used to compose and create composing and creating service templates for custom line-of-business applications.

### IT Infrastructure Library and the Microsoft Operations Framework

Since 1999, Microsoft has been actively involved with the ITIL community—both by using existing content and by contributing to new, updated, and expanded documentation. The ITIL provides a broad spectrum of guidance documents that cover IT service delivery, management, and support, as well as elements of IT infrastructure, security, and application management. The ITIL promotes the practice of applying descriptive guidance to achieve focused improvement in various areas of service management on a continuing basis.

MOF is a collection of best practices, principles, and models based on the ITIL. In contrast to the ITIL's descriptive approach, MOF is prescriptive, providing operational guidance that enables organizations to achieve mission-critical system reliability, availability, supportability, and manageability of Microsoft products and technology. With MOF guidance, you'll be able to assess your current IT service management maturity, prioritize your processes of greatest concern, and apply proven principles and best practices to optimize your management of the Windows Server platform.

### Configuration Management Database (CMDB)

Microsoft is a member of the Configuration Management Database Federation Working Group, an organization whose mission is to create a specification pertaining to Configuration Management Database (CMDB) that can help enterprises facilitate how they manage data resources across heterogeneous IT environments. A CMDB helps to provide a unified view of your IT environment and plays a critical role in ensuring consistency across your incident, problem, change, configuration, and asset management and planning processes.

### Windows PowerShell

Windows PowerShell is a command-line shell and scripting language that helps IT professionals achieve greater productivity. Using a new administrator-focused scripting language, more than 130 standard command-line tools, and consistent syntax and utilities, Windows PowerShell allows IT professionals to more easily control system administration and accelerate automation. Windows PowerShell is easy to adopt, learn, and use because it works with your existing IT infrastructure and existing script investments. For example, Operations Manager, Data Protection Manager, and Virtual Machine Manager all use Windows PowerShell to improve efficiency and productivity.



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“By working from the ground up and linking DSI [Dynamic Systems Initiative] to solving the real problems of real people, Microsoft stands the best chance of success.”

Jon Collins  
Principal Analyst  
Macehiter Ward-Dutton





## MICROSOFT SYSTEM CENTER AWARDS



### **Windows IT Pro Readers Choice Award 2006**

Category: Applications and Operations  
Management Tool  
Winner: Operations Manager

Category: Monitoring and Alerting Software  
Winner: Operations Manager

Category: Software Deployment Tool  
Winner: Systems Management Server  
(SMS) 2003



### **2006 Network Storage Conference**

Category: Outstanding Achievement  
in Data Protection  
Winner: Data Protection Manager



### **2006 CRN Channel Champions**

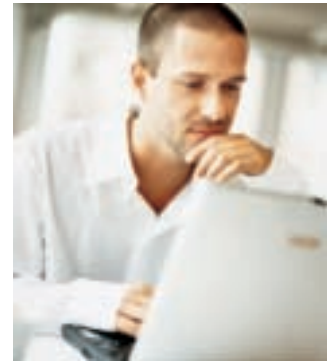


### **Redmond Best of the Best Readers Choice Award 2006**



### **2005 Products of the Year**

Category: Tech Target  
Winner: Gold



"More than half of  
Dell's \$57 billion in  
annual sales come  
through Dell.com. Dell  
relies on System Center  
solutions to keep our  
global ecommerce  
presence and other  
mission-critical systems  
up and running, 24x7."

**Takis Petropoulos**  
Senior IT Systems Engineer  
Dell™

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