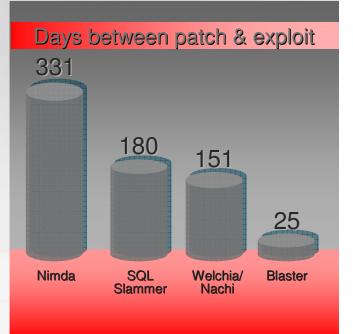
Keeping Up To Date with Windows Server Update Services

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Business Risk Is High

- Up to 95% of breaches exploit vulnerabilities for which a countermeasure exists – CERT
- Staying up to date is hard
 Patches proliferating
 - Time to exploit decreasing
 - Our tools not sufficient



Microsoft Update Management Strategy



What is Windows Server Update Services?

- Corporate update management offering
 - Gets content from Microsoft Update (MU) service
 - **RTW** component of Windows Server
 - Free to Windows Server (2000 and above) licensees
 - Requires Windows Server / Server CAL for target systems
 - Does not change currently available offerings
 - SUS 1.0 continues to get content from WU
 - Core component of Microsoft's Update Management solutions & roadmap

Windows Server Update Services Benefits

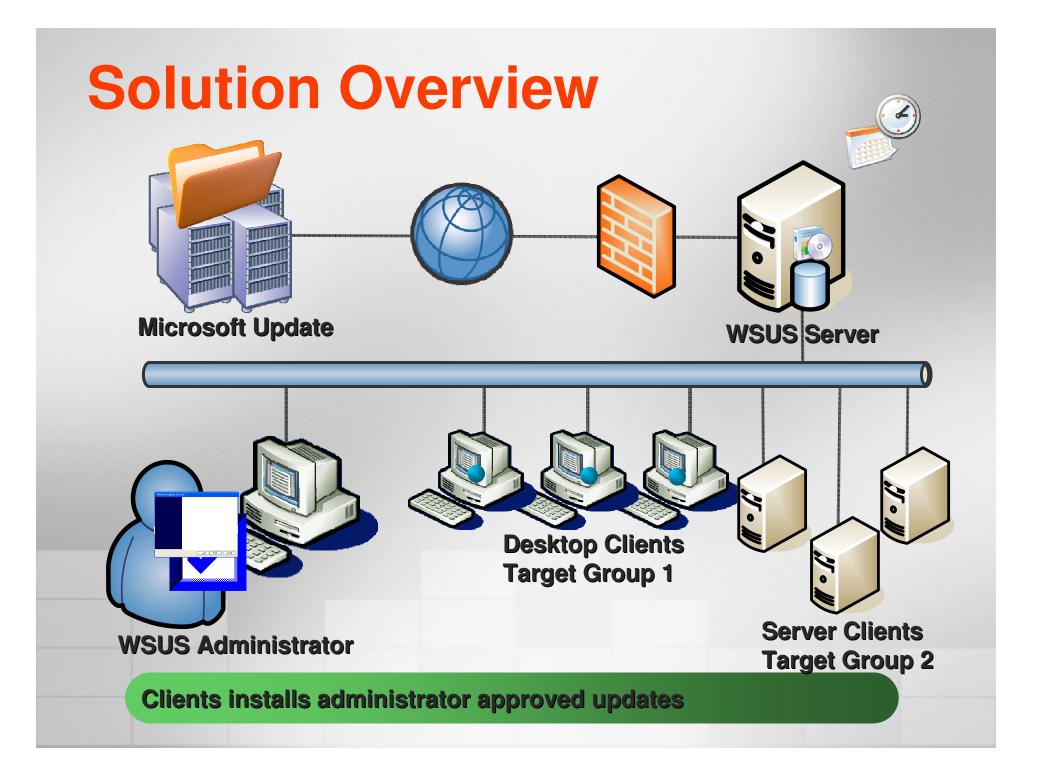
Reduced IT Cost

> Built-in Assessment and Reporting

Increased administrator productivity and control

Goals and Design Principles

- Deliver easy to use, fully functional *solution* to address update management scenarios for all Microsoft products
 - Automate the update management process as much as possible
 - Support more than just Windows patches
 - Address customer requests from SUS 1.0
 - Optimize administrator experience for IT generalist
 - Build the core patch management *infrastructure* for the Windows platform
 - Leveraged by other tools (e.g., SMS & MBSA)
 - Rich set of APIs to allow for extensibility and customization
 - Scale to large Internet services (Microsoft Update)



Supported Products and Content

Content Partners

- Windows, Office, SQL, Exchange at RTM.
- Additional products added over time
- OS platforms
 - Client/agent
 - Win2k SP3 and later, WinXP RTM and later (incl. XP embedded and XP x64)
 - Win2k3 RTM (32-bit only), Win2k3 SP1 (x64 and ia64)

Server

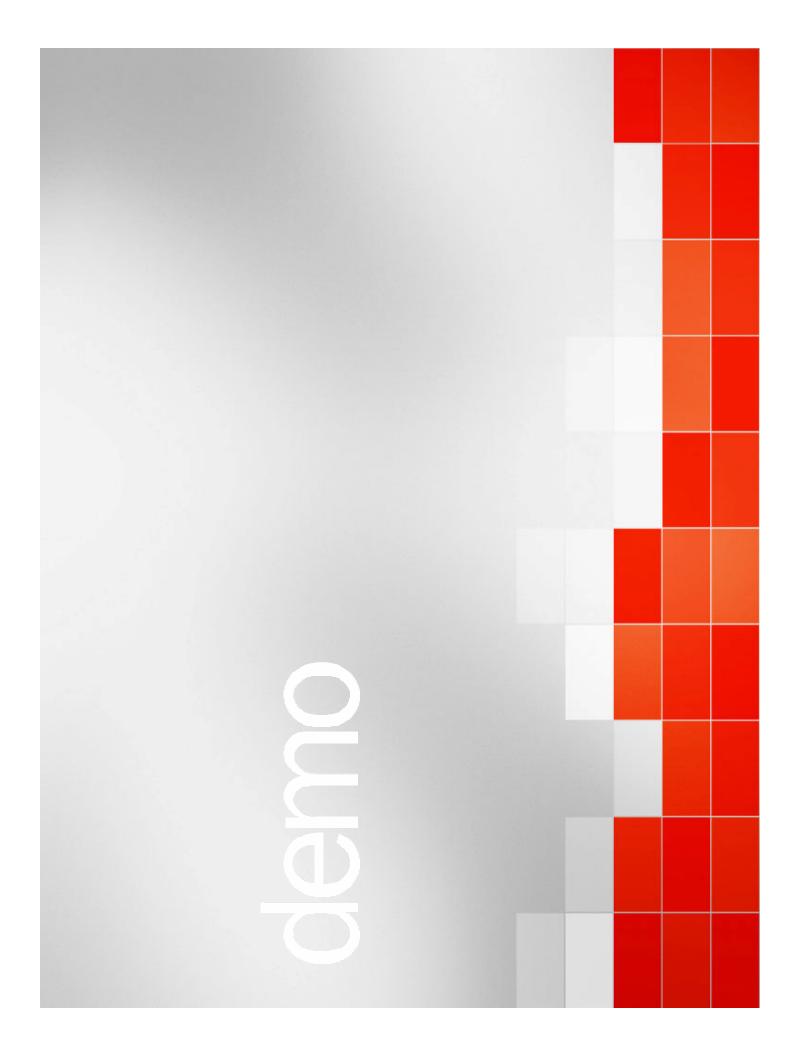
- Win2k SP4 and later
- Win2k3 RTM and later (32-bit only)
- International support
 - Client is localized to 25 Windows client locale
 - Server is localized to 17 Windows Server locales
 - MUI support

Update Management Features

- Administrator defined target groups
 - Group Policy defines client membership for AD environments
 - WSUS Server defined group membership for non-AD environments
- Administrator control of approvals
 - "Detect only" evaluation of machines for patch applicability
 - Approve for install and uninstall (requires update support)
 - Date-based deadlines
 - Flexible Agent Configuration
 - Polling frequency
 - Notification, Install and Reboot behaviors
 - Port configurability
 - Install at Shutdown (XP SP2 and Win2k3 SP1 only)

Update Management Features

- Resilient and transparent
 - BITS* for client-server and server-server downloads
 - Downloads are in the background
- Minimized data downloads
 - Update subscriptions only download updates for products, classifications and languages that *you* need
 - Support for "delta compression" technologies for client-server communications
- Reporting
 - Summary status and alerts (home page)
 - Per computer, per update with printable compliance reports
 - Drilldown capabilities
 - Synchronization reports
 - Server deployment options
 - Stand alone, Hierarchical, Disconnected



Welcome Page

Windows Server Update Services

🙆 Home



🕜 Help

Options

Welcome to Windows Server Update Services

You can use Windows Server Update Services to quickly and reliably deploy the latest updates to your machines. Get the latest WSUS news from Microsoft

Updates		Synchronization Status		
Total:	416	Last synchronization:	8/2/2005 1:31 AM	
Approved updates:	409	Last synchronization result:	Success	
Updates not approved:	0	Next synchronization:	Manual	
Declined updates:	7	Current status:	Idle	
Updates with computer errors:	0	Synchronize now		
Updates needed by computers	78			
		Status of Downloads		
Computers		Updates needing files:	0	
Total:	3			
Computers with update errors:	0			
Computers needing updates:	3			

📴 To Do List

Review Security and Critical updates

404 Security and Critical updates have not been approved for install.

Review synchronization settings

16 new products and 8 new classifications have been added in the past 30 days.

🔥 Use Secure Sockets Layer (SSL)

WSUS has detected that you are not using Secure Sockets Layer (SSL). Microsoft recommends using SSL to secure administration and client to server communications for better security. For more information, see <u>Using Secure Sockets Layer (SSL)</u>.

Status

Windows Se Update Services			Home	Updates	Reports	; Comp	uters Options
Tasks	Status of Computers for: BOB	МССОҮ93			Ge	nerated: 8	3/4/2005 9:21 PM
🍓 Print report	Computer group: All Computer Status: Needed	rs					
Yiew	⊡ Computer Name ▲	Installed	Needed	Not needed	Hokoowo	Failed	Last Updated
Select the criteria you want to use to filter the view.		54	6	349	0	0	8/4/2005
Computer group:	<u>bobmccoy95.n0ev.net</u>	7	2	400	0	0	8/3/2005
All Computers	<u>bobmccoy96.n0ev.net</u>	3	72	334	0	0	8/3/2005
Status: Installed							
Needed							
Needed Not needed							

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Patch Drilldown

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Windows Services	/er			Solution	U pdates	e Reports	Com	puters Options
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Computer group:	Ξ	bobmccoy95.n0ev.net	7	2	400	0	0	8/3/2005
All Computers		Update Title				Appro	oval	Status
Status:		Security Update for JView Profile				Detec	t only	Needed
Installed		Security Update for Windows Se	rver 2003 (KB90	1214)		Detec	t only	<u>Needed</u>
✓ Needed	+	bobmccoy96.n0ev.net	3	72	334	0	0	8/3/2005
Not needed								

🔲 Failed

Apply

Patch Details

Change approval Decline update Print status report	Title: Description: Classification: Products: Release date: More information: KB article number: MSRC number:	Security Update for Windows Server 2003 (KB901214) A security issue has been identified in the Color Management Module that could allow an attacker to compromise your Microsoft Windows-based system and gain control over it. You can help protect your computer by installing this update from Microsoft. After you install this item, you may have to restart your computer. Security Updates Windows Server 2003, Datacenter Edition, Windows Server 2003 family Tuesday, July 12, 2005 <u>http://go.microsoft.com/fwlink/?linkid=49316</u> 901214		
	MSRC severity rating: Update ID:	Critical 9fe4c2b1-5280-4291-838e-d9b63b7143da		

Patch Status

Update Tasks	Installation File St	atus							-
Decline update	The files for th approved but will							;	
	Update Status								
	Computer Gr	Approval	Deadline	Inst	Nee	Not n	Unkn	Failed	
		Detect only	N/A	0	1	2	0	0	
			Same as All Computers group	0	1	2	0	0	
			Same as All Computers group	0	0	0	0	0	•
	<u> </u>	"	"	-	-	-		-	-
								Close	

Patch Revisions

Update Tasks	Details Status Revisions	
Change approval Change approval Decline update	102 Security Update for Windows Server 2003 (KP001214)	Released Approval 7/12/2 <u>Detect only</u>
		Close

Computer Groups

← • ⇒ • ⊗ 🖗 🗂 🙆 💿 🐨 ଔ 🖾 • 🎒 Б Windows Server Update Services Options Updates Reports Computers Home 🕜 Help 💐 Computers Computers in this group: 3 Computers managed by this server: 3 Tasks Computer group: Unassigned Computers 🌸 Move the selected computer i Computer Name 🔺 Computer Group Operating System Last Status Report 🕵 Remove the selected computer bobmccoy95.n0ev.net Windows Server 2003 8/3/2005 9:27 AM Unassigned Comput... 😪 Create a computer group bobmccoy96.n0ev.net Windows XP 8/3/2005 5:09 PM Unassigned Comput... Move Computers -- Web Page Dialog X Groups Select the computer group into which you want to move the selected All Computers: 3 computers. Unassigned Computers: 2 Computer group: Servers: 1 Servers Workstations: 0 OK. Cancel 🚵 Print status report Details Status Computer group: Unassigned Computers **Requested group:** None **IP address:** 192.168.0.195 Operating system: Windows Server 2003 1 Service pack: Operating system language: en-US Last status report: 8/3/2005 9:27 AM Last contacted: 8/4/2005 6:54 PM

Approving Updates

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Updates		Web Page Dialog approval setting for All Computers and oproval options, see <u>Update Approval a</u>		each computer	elp
Change appr	By default, take this action Approval: Detect on Deadline: N/A Group approval settings for		uters:	ed Approval D05 Detect D05 Detect	•
Select the criteria to filter the view. Products and clas Critical and secu	Computer Group Unassigned Computers Servers Workstations	Approval Same as All Computers of Detect only Install Edit Deadline Web Page Dialo	N/A <u>None</u>	D05 Detect	
Approval: Detect only Synchronized: Within the last to Contains text:		You can choose whether to install the stake 22 hours to process deadline required. Use client settings to determine up Install updates by the selected dat This option overrides client settings	selected updates by a specific date ar lests, depending on WSUS client setti date installation time e and time		•
	The selected update	Date: 8/10/2005 💽 💌 🕶	<u> </u>	lp install	
		Release date: Friday, July More information: http://suppo KB article number: 870669	29, 2005 rt.microsoft.com/?id=870669	_	

Approving Updates

oft Window	s Server Update Services	- Microsoft Internet Explorer		
it View F	avorites Tools Help	Address 🛃 http://bobmccoy93/WSUSAd	min/	🔻 🇬 Go 🛛 🏭
- => - 🗵) 🕼 🚮 🔞 Search 醸	Favorites 🞯 Media 🗭 🖾 👍		
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ove for a	Group approval settings for the Computer Group	selected updates: Approval	Deadline	ed Approval
ne selei 🛛 🖹	Unassigned Computers Servers	Approving update 3 of 402	Tame as All Computers group	hor Mixed
	Workstations	Install	None	005 Detect
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and cla nd seci				105 Detect 💌
				status report
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ized: ne last t	When approving multiple up you will be notified after you	odates there may be conflicts with different u click OK to approve.	installation behaviors. If there is	ed in Microsof from launching
text:		🕑 <u>Help</u>	OK.	Cancel
	WSUSAdmin/Updates/		, j j j	E Local intranet
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Comparing Microsoft Update, Windows Update Services, and SMS 2003

Adopt the solution that <u>best meets the needs</u> of your organization

Capability	Microsoft Update	Windows Server Update Services	SMS 2003
Supported Software an	d Content		
Supported Software for Content	Same as Windows Update Services + WinXP Home	Win2K, WS2003, WinXP Pro, Office 2003, Office XP, Exchange 2003, SQL Server 2000, MSDE	Same as Windows Update Services + NT 4.0 & Win98 + can update any other Windows based software
Supported Content Types for Supported Software	All software updates, critical driver updates, service packs (SPs), and feature packs (FPs)	All software updates, critical driver updates, SPs, & FPs	All updates, SPs, & FPs + supports update & app installs for any Windows based software
Update Management C	apabilities		
Targeting Content to Systems	N/A	Simple	Advanced
Network Bandwidth Optimization	Yes	Yes	Yes
Patch Distribution Control	N/A	Simple	Advanced
Patch Installation & Scheduling Flexibility	Manual & end user controlled	Simple	Advanced
Patch Installation Status Reporting	Install errors reported to user. Lists missing updates for accessing computer	Simple	Advanced
Deployment Planning	N/A	Simple	Advanced
Inventory Management	N/A	No	Yes
Compliance Checking	N/A	Simple	Advanced

Choosing A Patch Management Solution Typical Customer Decisions

Customer Type	Scenario	Customer Chooses
Large or	Want single flexible update management solution with extended level of control to update (+ distribute) ALL Windows OSes and Applications, as well as an integrated asset management solution	SMS 2003
Medium Enterprise	Want update management-only solution that provides simple updating for Microsoft software and initially supports Windows (Win2K & later versions), Office (2003 & XP), Exchange 2003, SQL Server 2000, and MSDE 2000	Windows Update Services*
Small	Have at least 1 Windows server and 1 IT administrator	Windows Update Services*
Business	All other scenarios	Microsoft Update
Consumer	All scenarios	Microsoft Update

OS versions & applications not supported by Windows Update Services or Microsoft Update



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