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Installation

1. Boot up your Windows Server 2008 DVD. If you see the screen below, choose the appropriate settings and click next.

💐 Install Windows	
Windows Se	rver:2008
Langua <u>ge</u> to install: <mark>English</mark>	
<u>T</u> ime and currency format: English (United St	tates)
Enter your language and other preferen	ices and click "Next" to continue.
Copyright © 2007 Microsoft Corporation. All rights reserved.	Next

2. On the next screen just click the button **Install Now**.



3. Enter your Windows Server 2008 product key. If you don't have one (yet) you can just skip this step by clicking **Next** and click **No** when asked when asked if you want to enter your product key.

Type yo	ur product key for activation	
You can f Windows to enter it purchase key now.	nd your product key on your computer or on the package. Although you are not required to enter may result in the loss of data, information, and p another edition of Windows. We strongly advise t	e installation disc holder inside the your product key now to install, failure programs. You may be required to that you enter your product identification
The pro	nstall Windows	×)
Product	Do you want to enter your product key now? If you choose not to enter the product key ne Windows later and potentially lose data, info need to purchase another edition of Window	ow, you might need to reinstall irmation, and programs, or you might vs.
₩hat is		Yes No
ad our priv	acy statement	Next

4. Select the version of Windows Server 2008 that says **Full Installation.** Don't select one of the Server Core Installation's, because then you won't have a GUI 😳

Co

Version Server 2008 Standard (Full Installation) Server 2008 Enterprise (Full Installation) Server 2008 Datacenter (Full Installation) Server 2008 Standard (Server Core Installation) Server 2008 Enterprise (Server Core Installation) Server 2008 Datacenter (Server Core Installation) Server 2008 Datacenter (Server Core Installation) r your product key, Windows can automatically determine which edition you purchased. For product key, click the Back button to return to the previous page. See not to enter your product key now, make sure that you select the edition of Windows archased. If you select the wrong edition, you will need to purchase that edition, or you or einstall the correct edition of Windows later and potentially lose files and information.
Server 2008 Standard (Full Installation) Server 2008 Enterprise (Full Installation) Server 2008 Datacenter (Full Installation) Server 2008 Standard (Server Core Installation) Server 2008 Enterprise (Server Core Installation) Server 2008 Datacenter (Server Core Installation) Server 2008 Datacente
Server 2008 Enterprise (Full Installation) Server 2008 Datacenter (Full Installation) Server 2008 Standard (Server Core Installation) Server 2008 Enterprise (Server Core Installation) Server 2008 Datacenter (Server Core Installation) Server 2008 Datacenter (Server Core Installation) r your product key, Windows can automatically determine which edition you purchased. But product key, click the Back button to return to the previous page. See not to enter your product key now, make sure that you select the edition of Windows urchased. If you select the wrong edition, you will need to purchase that edition, or you to reinstall the correct edition of Windows later and potentially lose files and information.
Server 2008 Datacenter (Full Installation) Server 2008 Standard (Server Core Installation) Server 2008 Enterprise (Server Core Installation) Server 2008 Datacenter (Server Core Installation) r your product key, Windows can automatically determine which edition you purchased. bur product key, click the Back button to return to the previous page. ese not to enter your product key now, make sure that you select the edition of Windows archased. If you select the wrong edition, you will need to purchase that edition, or you to reinstall the correct edition of Windows later and potentially lose files and information.
Server 2008 Standard (Server Core Installation) Server 2008 Enterprise (Server Core Installation) Server 2008 Datacenter (Server Core Installation) r your product key, Windows can automatically determine which edition you purchased. our product key, click the Back button to return to the previous page. ese not to enter your product key now, make sure that you select the edition of Windows urchased. If you select the wrong edition, you will need to purchase that edition, or you preinstall the correct edition of Windows later and potentially lose files and information.
Server 2008 Enterprise (Server Core Installation) Server 2008 Datacenter (Server Core Installation) r your product key, Windows can automatically determine which edition you purchased. our product key, click the Back button to return to the previous page. ose not to enter your product key now, make sure that you select the edition of Windows urchased. If you select the wrong edition, you will need to purchase that edition, or you or reinstall the correct edition of Windows later and potentially lose files and information.
r your product key, Windows can automatically determine which edition you purchased, our product key, click the Back button to return to the previous page. ose not to enter your product key now, make sure that you select the edition of Windows urchased. If you select the wrong edition, you will need to purchase that edition, or you or reinstall the correct edition of Windows later and potentially lose files and information.
preinstall the correct edition of Windows later and potentially lose files and information.
elected the edition of Windows that I purchased

5. If you agree to the license terms, select **I accept the license terms** and click **Next**.

MICRO	SOFT SOFTWARE LICENSE TERMS	
MICRO	SOFT WINDOWS SERVER 2008, ENTERPRISE	
These where softwar terms a	icense terms are an agreement between Microsoft Corporation (or based on you live, one of its affiliates) and you. Please read them. They apply to the re named above, which includes the media on which you received it, if any. The also apply to any Microsoft	
٥	updates,	
٥	supplements,	
0	Internet-based services, and	
0	support services	-
▼ I <u>a</u> cce	pt the license terms	
		Mart

6. If you have a clean hard disk or if there is no possibility to upgrade from a previous version of Windows you will only have the option **Custom (advanced)**. In this manual I will use the Custom installation.



7. Select the hard disk and partition where you want to install Windows Server 2008 and click Next.

Name	Total Size	Free Space Type
Disk 0 Unallocated Space	16.0 GB	16.0 GB
€9 <u>R</u> efresh		Drive options (<u>a</u> dvanced)

8. Now Windows 2008 Server setup will install the selected version on your hard drive.



9. After the installation has finished the computer will restart and a message about changing your password will be shown. Click **OK**.



10. Type in a strong password. (example p+ssw0rd) If you don't you will get an error message saying that you doesn't comply with the security enforcements of the domain. After successfully changing the password you will see the message that your password has successfully been changed. Click **OK**. Your desktop will now show up.



11. In the Server Manager window check the **Do not show me this console at logon** to not show the Server Manager at start-up. You can access it later via the Server Manager shortcut in your quick launch bar or Start menu.



Drivers in Windows Server 2008

I get many questions about how to get all hardware working in Windows Server 2008. Basically all Vista should work. I will describe three methods how to get the drivers you need and how to install them. You can use these methods too for other Windows versions than Windows Server 2008.

Method 1: Windows Update

1. The easiest way to get drivers is to open up the "Windows Update" application in Windows Vista / Server 2008 by clicking **Start** -> **Control Panel** -> **Windows Update**. In the upper left of the **Windows Update** window click **Check for updates**, and wait until the search has finished.

< 🔾 🔶 😂 🗸 Control Panel 🔻 Wi	indows Update	- Search	
File Edit View Tools Help			
Sector Check for updates	Windows Update		
Change settings View update history	Check for updates for	your computer	
Restore hidden updates	Always install the latest uperformance.	pdates to enhance your computer's security and	Check for updates
	Most recent check for updates: Updates were installed: You have Windows set to: You receive updates:	16-2-2008 at 0:22 16-2-2008 at 13:09. View update history Notify you to install new updates	
	Tou receive apostes.	Get updates for more products	
See also			

2. Click the **View available updates** link to look if there are drivers for your devices.



3. If there are (newer versions of) drivers available they will be listed here. Check the boxes if they are not already checked and click **Install** at the bottom right to install the updates and device drivers if available. In my case no drivers are available.

	1				
Computer	r	🖉 View available updates			I
		😋 🕞 🗸 Control Panel 🔸 Windows Update 🔸 View available updates	🔻 🔯 Search		
		File Edit View Tools Help			
Network		Choose the updates you want to install Total available: 1 update			
		I Name	Type 🔻	Published	
3		Windows Defender (1)			
Recycle Bi	in	Definition Update for Windows Defender - KB915597 (Definition 1.29.7418.0)	Important	6-3-2008	
				Total selected: 1 update	
Start] 🚡 📼 🏉	View available updates		4 H	14:44

Method 2: Manually download them

To visit the manufacturer for drivers you first have to know information about the hardware that isn't installed yet. To view the drivers you still need open the **Server Manager** by *right clicking* on **Computer**, and clicking Manage. In the **Server Manager** expand **Diagnostics** and click **Device Manager**. The Windows Device Manager probably won't tell much more about the **unknown devices** than *Audio Device* or even *Unknown Device*. In this screenshot there are no unknown devices.



1. To find out what the real names of the devices are first go to download and install the tool **Lavalys Everest Ultimate Edition** from the <u>Lavalys website</u> or <u>download.com</u>.

2. After you installed Everest, start the program. Now you can look for two things: the exact type of your **motherboard** (2a), and the **devices that are not installed yet** (2b). The best is to install the drivers for your motherboard first.

2a. *Motherboard:* To view the exact type of your motherboard, expand **Motherboard** and click **Motherboard** to view its name. For the motherboard there is often a url to go to the product page of the manufacturer. On this page search for links like downloads/drivers/support and download the Windows Vista drivers.



2b. *Other devices:* To view which devices you haven't installed yet expand **Devices** and click **Windows Devices** for devices you attached to your motherboard. When you click an unknown device you will see the device name and manufacturer most times. Search with your favourite search engine for the manufacturer and/or device name and look for the Windows Vista drivers. In this screenshot I don't have any missing drivers.

BVEREST Ultimate Edition [TR	IAL VERSION]			8×
File View Report Favorites Tools	ls Help			
] 😋 🜍 🤌 💈 🛯	🛃 Report 🎁 Buy Now			
Menu Favorites Image: Server Image: Server Image: Server <	Computer Disk drives Display adapters DVD/CD-ROM drives Floppy disk drives Floppy disk drives Floppy drive controllers Sound, video and game controllers Storage controllers Storage Volumes System devices	es ollers Value	Copyright (c) 2003-2008 Lavalys, Inc.	
Start = @	EVEPEST Ultimate Edit			5.44
	EVEREST UITIMATE LOIL			3.44

3. After you downloaded the drivers you can install the drivers in two ways: Automatically (3a) or Manually (3b).

3a. *Automatically:* You can install the drivers automatically by just following the instructions and installation files in the driver package. There is not much more to say about.

3b. *Manually:*

1. Sometimes manually installing the drivers just don't work because the installer is not packed in a compression that is readable by WinRAR (download from http://www.rarlabs.com/), but if it is possible extract the driver package with WinRAR by *right clicking* on the file you downloaded, then choosing **extract to** *name subfolder*.

	7
Comput	er
	- Course -
	Run as administrator
	Share
Netwo	Add to archive
	Extract Here
	Extract to nforce_winvista32_15.08_english
3	Pin to Start Menu
Recycle	Add to Quick Launch
-	Restore previous versions
-	Send To
	Cut Copy
	Create Shortcut
WI CI J	Delete
	Rename
1	Properties
nforce_wii a32_15.08	nvist 3_en
glish	
Start	🛛 📑 🧖 🔰 🌈 Driver Download - Windo

2. Open the **Device Manager** in the **Server Manager** like described on the top of this page and *double click* the *unknown device*. Change your view to tab **Driver**, and click **Update Driver**. (Here I just selected the networking card that is already installed because I don't have any not installed devices, but it's almost the same procedure.)



3. Choose Browse my computer for driver software if you are asked how to search for driver software.

🔋 Up	odate	Driver Software - Intel 21140-Based PCI Fast Ethernet Adapter (Emulated)	×
\bigcirc		Update Driver Software - Intel 21140-Based PCI Fast Ethernet Adapter (Emulated	d)
	How	do you want to search for driver software?	
	•	Search automatically for updated driver software Windows will search your computer and the Internet for the latest driver software for your device.	
	•	Browse my computer for driver software Locate and install driver software manually.	
			Cancel

4. Click **browse** and select the driver folder in the folder you extracted in step 1.



5. Click **Next** so Windows will search the folder including subfolders for drivers.

🔋 Up	pdate Driver Software - Intel 21140-Based PCI Fast Ethernet Adapter (Emulated)	×
0	Update Driver Software - Intel 21140-Based PCI Fast Ethernet Adapter (Emulated)	
	Browse for driver software on your computer	
	Search for driver software in this location:	
	\Administrator\Desktop\nforce_winvista32_15.08_english\Ethernet Browse Browse	
	 Include subfolders Let me pick from a list of device drivers on my computer This list will show installed driver software compatible with the device, and all driver software in the same category as the device. 	
	Next	Cancel

6. If multiple possible drivers are found, you will get a window like the one below. Choose the right Vista driver that looks right to you and click **Next**. After the installation has finished click the **Close** button. Now your driver is installed!

Upda	te Driver Software - Intel 21140-Based PCI Fast Ethernet Adapter (Emulated)	×
	Update Driver Software - Intel 21140-Based PCI Fast Ethernet Adapter (Emulated)	
5	elect Network Adapter	
-	Click the Network Adapter that matches your hardware, then click OK. If you have an installation disk for this feature, click Have Disk.	
T	Show <u>c</u> ompatible hardware	
	Network Adapter:	
G	This driver is digitally signed. <u>Have Disk</u>	
	Next	Cancel

Method 3: DriverAgent.com

If the two other methods didn't work or if you don't just want to try them, visit the website <u>http://www.driveragent.com/</u>, click the **Scan Now** button and install the plug-in when asked. Your computer hardware will now be examined to check if there are drivers available for your specific operating system/architecture. The disadvantage is that, if there are drivers, you need to pay for an account in order to download the drivers. That's why I added this as the last solution for driver problems.

Change Registered Owner name and organisation

By default Windows Server 2008 is installed with as owner Windows User and an empty Organisation Name. In many programs you install like Microsoft Office or Microsoft Visual Studio these are set as default creator of documents etc.

1. If you click **Run** in the **Start** menu, enter **winver** and click **OK** you can see your current settings.



2. To change your computers registered owner and organisation name click **Run** in the Start menu, enter **regedit** and click **OK**. In the **Registry Editor** navigate to **HKEY_LOCAL_MACHINE** -> **SOFTWARE** -> **Microsoft** -> **Windows NT** -> **CurrentVersion**. In the right pane double-click and edit **RegisteredOwner** to change your registered owner and/or double-click **RegisteredOrganization** to change the registered organization.

	🎊 Registr	y Editor					×
	File Edit	View Fav	vorites Help				
			Shared Tools Location	-	Name	Туре	Data
Computer		🕴 🕂 🛄	SideShow		ab (Default)	REG_SZ	(value not set)
		主 ···]	Speech		ab BuildGUID	REG_SZ	28f47544-6618-4bc4-a11e-ed7d7d66e144
		÷	SQMClient		ab BuildLab	REG SZ	6001.longhorn rtm.080118-1840
		····· 🛄	Sysprep		ab BuildLabEx	REG SZ	6001.18000.x86fre.longhorn rtm.080118-1840
		÷]	SystemCertificates		ab CSDBuildNumber	REG SZ	1616
		÷	TableTextService		ab CSDVersion	REG SZ	Service Pack 1
Network		主 🌗	TabletTip		ab CurrentBuild	DEC SZ	5001
		÷	Тсрір		ab CurrentBuildNumber	DEC SZ	6001
		÷	Terminal Server Client		ab CurrentBuildivumber	REG_52	Multime excess Free
		Ē. 🔁 🖓 🌒	TIP Shared		Currenti ype	REG_5Z	Multiprocessor Free
		Ē. 🕂	TPG		Currentversion	REG_SZ	6.0
3		主 🌗	Tpm		DigitalProductId	REG_BINARY	a4 00 00 00 03 00 00 00 39 32 35 31 36 2d 30
		÷	Tracing		DigitalProductId4	REG_BINARY	f8 04 00 00 04 00 00 00 39 00 32 00 35 00 31
Recycle Bin		📃 吏 🖳 🌙	Transaction Server		EditionID	REG_SZ	ServerEnterprise
			UDRM		InstallDate	REG_DWORD	0x47a895e8 (1202230760)
		主 🌗	UPnP Device Host		ab PathName	REG_SZ	C:\Windows
		÷	Virtual Machine	1000	ab ProductId	REG_SZ	92516-083-1000042-76528
		Ē	WAB		ab ProductName	REG_SZ	Windows Server (R) 2008 Enterprise
		Ē. 🔁 🖓 🌒	WBEM		ab RegisteredOrganization	REG_SZ	
		Ē. 🕂	Windows		ab RegisteredOwner	REG_SZ	Windows User
		÷	Windows Defender		ab SoftwareType	REG SZ	System
		Ē	Windows Mail		ab SystemRoot	REGSZ	C:\Windows
		Ē	Windows Media Device Manager	8	~~~~		
		Ē. 🕂	Windows Media Foundation				
		Ē	Windows Messaging Subsystem				
		Ē.	Windows NT				
		Ė	- 🕌 CurrentVersion				
			🖅 👍 Accessibility				
			🕀 🍌 AeDebug	-			
🖃 Run		18 315					
	Computer		MACHINE\SOFTWARE\Microsof	t\Window			
Type the name of a p	program, ron	aci, aocan	Tene, or internet	c (vvii idov	va tet (concercication		- 11
resource, and Windo	ws will open	it for you.					
Open: regedit			-				
open [3							
🖑 🛛 This task will be	created with	n administ	rative privileges.				
OK	1 6	Samuel	Brauna				
UK		ancei	browse				
🚺 Start 🛛 🖶 📼 🔗 👘	A Reniste	v Editor	Run	10	1		111 - 20:02
	Hor Registi	, concor			1		

3. If we now open the Windows About window again by clicking Start -> Run -> winver -> OK, we see that the ownersettings are changed!

Microsoft Visual Studio 2008 Setup - Start Page	am System 20	008 Setup	ut Windows	2 Vindows Server 2008
 Please exit all applications before continuing with the installation. Setup will install the following components: Runtime Pre-requisites Microsoft .NET Framework v3.5 Microsoft Document Explorer 2008 Microsoft Visual Studio Web Authoring Component 	Be sure to carefully read and un in the license terms. You must a software. H. LIMITATION ON AND WARRANTY. THE LIMITATION ABOVE APPLIES TO BREACHES THIS WARRANTY GIVES YOU S HAVE OTHER RIGHTS WHICH V HAVE OTHER RIGHTS WHICH V	EXCLUSION OF DAMAC ON AND EXCLUSION O OF THIS LIMITED WAR PECIFIC LEGAL RIGHTS VARY FROM STATE TO S VARY FROM COUNTRY T	Dig Microsoft Corporation. Microsoft ® Window Version 6.0 (Build 6 Copyright © 2007 f The Windows Serve user interface are p existing intellectual countries.	Microso ws Server® 001: Service Pack 1) Microsoft Corporation. All rights reserved. er® 2008 Enterprise operating system and its protected by trademark and other pending or property rights in the United States and other
Microsoft Visual Studio 2008	Press the Page Down key to se I have read and accept I do not accept the licer Product key:	e more text. the license terms. nse terms.	This product is licen <u>License Terms</u> to: John Goldwing Win2k8 Worksta Physical memory av	nsed under the <u>Microsoft Software</u> ntion vailable to Windows Server®: 392.680 KB
To install, you must accept the End User License Agreement and enter your product key.	Name: John Goldwing			6001 6001 Multiprocessor Free 6.0
		< Previous Next >	Cancel	f8 04 00 00 04 00 00 00 00 39 32 35 31 36 26 30 f8 04 00 00 04 00 00 00 39 00 32 00 35 00 31
resource, and Windows will open it for you. Open: winver This task will be created with administrative OK Cancel	e privileges.	InstallDate PathName ProductId ProductName RegisteredOrganization RegisteredOwner SoftwareType SystemRoot	REG_DWORD REG_SZ REG_SZ REG_SZ REG_SZ REG_SZ REG_SZ REG_SZ REG_SZ	0x47a895e8 (1202230760) C:\Windows 92516-083-1000042-76528 Windows Server (R) 2008 Enterprise Win2k8 Workstation John Goldwing System C:\Windows
🔰 Start 📔 🚠 💻 🏈 🛛 🏘 Registry Editor	Icrosoft Windov	Run	Microsoft Visua	al Studio 2

Create a new User Account

1. In the **Start** menu click **Run** and type **control userpasswords2**. In the **User Accounts** window that comes up click **Add**, fill in the required fields and click **Next**.



2. Fill in a password twice and click Next. In the next screen select Administrator as level of access, then click Finish to add the user!

Add New User			×
	Type and confirm a pa	assword for this user.	
X	<u>P</u> assword:	•••••	
	<u>C</u> onfirm password:	•••••	
	To continue, click Nex	t.	
		< <u>B</u> ack <u>N</u> ext >	Cancel

Configure Auto Logon

1. In the Start menu click Run and enter control userpasswords2. After clicking OK the User Accounts window will show up.

Computer	User Accounts	<
	Users Advanced	-
Network	Use the list below to grant or deny users access to your computer, and to change passwords and other settings.	
Recycle Bin	Users for this computer: User Name Group Administrator Administrators	
	Add Remove Properties	
	Password for Administrator To change your password, press Ctrl-Alt-Del and select Change Password. Reset Password	
Azy Run	OK Cancel Apply	1
Type the name of a program, folder, document, or Internet resource, and Windows will open it for you.		
Open: control userpasswords2		
This task will be created with administrative privileges.		
OK Cancel Browse		
🎝 Start 🛛 🚠 📰 🏈 👘 😻 User Accounts 🔤 Run		🔄 🗟 🕼 11

2. Next click the account you want to login automatically and uncheck **Users must enter a user name and password to use this computer** checkbox. If you now click **Apply** it will ask for the password of the user you selected. Enter the password of the selected user twice and click **OK**. From now on every time you start Windows it will automatically login!

	User Accounts	
Computer	Users Advanced	- 1
Network	Use the list below to grant or deny users access to your computer, and to change passwords and other settings.	
	User Name Group	
-	Administrator Administrators	Automatically Log On
Recycle Bir	Add Remove Properties Password for John To change the password for John, click Reset Password Reset Password OK Cancel Apply	You can set up your computer so that users do not have to type a user name and password to log on. To do this, specify a user that will be automatically logged on below: User name: John Password: ••••••• Confirm Password: ••••••• OK Cancel
Start	🚠 💻 🏉 🛛 🛞 User Accounts	🖉 🔂 🕼 11:23

Disable Strong Passwords Enforcement

By default Microsoft Windows Server 2008 enforces users in the Administrator usergroup to use strong passwords. Home users just want to create their own passwords without meeting any policies or leave it blank. This tutorial will explain how to disable these complexity requirements! (Please note you must go to "Server Manager" first, located in Quick Access. Then go to "Features" and install "Group Policy").

1. Click **Run** in the menu **Start**, then type **gpedit.msc** and click **OK**. In the **Local Group Policy Editor** expand **Computer Configuration** -> **Windows Settings** -> **Security Settings** -> **Account Policies** and click **Password Policy**.



2. In the right pane double click **Password must meet complexity requirements** and set it to **Disabled**. Click **OK** to save your change. You will now not longer be forced to use strong passwords; you can even use a blank one!

📕 Local Group Policy Editor				[_ & ×
File Action View Help					
🗢 🔿 📶 💥 🖻 😖 🚺 🖬					
Local Computer Policy	Policy A	Security Setting			
🖂 🚰 Computer Configuration	Enforce password history	0 passwords remembered			2
표 🧮 Software Settings	Maximum password age	42 days			
🖃 🦲 Windows Settings	📖 Minimum password age	0 days			
Scripts (Startup/Shutdown)	📖 Minimum password length	0 characters			
E Security Settings	Reserved must meet complexity requirements	Enabled			
Account Policies Account Policy Account Lockaut Policy	Store passwords using reversible encryption	Disabled			
	Password must meet complexity require	nents Properties	21 ×1		
Windows Firewall with Advanced Security					
Network List Manager Policies	Local Security Setting Explain		100		
王 🧮 Public Key Policies					
E Software Restriction Policies	=	lienents			
IP Security Policies on Local Computer	54				
Policy-based Qos					
Administrative remplates	C. Enabled				
TH Software Settings					
Windows Settings	 Disabled 				
🗉 🧮 Administrative Templates					
	ОК	Cancel Ap	ply		
	1				
灯 Start 🗍 🚋 💻 🏉 🔢 🧾 Local Group Policy	Edi			3 4	13:14

Disabling the Shutdown Event Tracker

1. Click **Run** in the menu **Start**, then type **gpedit.msc** and click **OK**. Now the **Local Group Policy Editor** will open.

Recycle Bin	
/#/ Run	
Type the name of a program, folder, document, or Internet resource, and Windows will open it for you.	
Open: gpedit.msc	
This task will be created with administrative privileges.	
Cancel Browse	
灯 Start 📙 🚋 👘 🗍 🖅 Run	🛃 🕼 4:10 AM

2. Browse to Administrative Templates in Computer Configuration, click System and double click in the right window on Display Shutdown Event Tracker. Change its value to Disabled and click OK to save the change.

		_ 8
File Action View Help		
 Local Computer Policy Computer Configuration Software Settings Windows Settings Control Panel Control Panel Control Panel Network Printers System Windows Component Software Settings Mindows Settings Administrative Templates Software Settings Administrative Templates Software Settings Administrative Templates Software Settings S	State Display Shutdown Event Tracker Properties Setting Explain Image: Display Shutdown Event Tracker Image: Not Configured Image: Enabled Image: Display Shutdown Event Tracker should be displayed: Image: Supported on: At least Microsoft Windows XP Professional or Windo Image: Previous Setting Image: OK	? ×

Disabling the CTRL+ALT+DEL Prompt

1. In the Start menu, expand Administrative Tools and click Local Security Policy.



2. In the Local Security Policy editor expand Local Policies and click Security Options. In the right pane search and open Interactive logon: Do not require CTRL+ALT+DEL and choose Enabled. Save your change by clicking OK.


Enable Sound Acceleration

1. Click **Run** in the menu **Start**, then type **services.msc** and click **OK**. Now the **Services** management console will open.

Recycle Bin	
📨 Run	
Type the name of a program, folder, document, or Internet	
resource, and Windows will open it for you.	
Open: services.msc This task will be created with administrative privileges.	
OK Cancel Browse	
🔊 Start 🛛 🏭 🔤 🖉 Run	3 1:30 PM

2. In the Services window scroll to the service Windows Audio and open it. In the Windows Audio Properties (Local Computer) window select Automatic as Start-up type, click Apply, then click Start to start the Windows Audio service. Close the properties window by clicking OK.

Q Services							
File Action View	Help						
🗢 🄿 🔚 🗐	🖸 🛃 🚺 📷 🕨 🔳 II ID						
Services (Local)	Name 🔺		Description	Status	Startup Type	Log On As	
	C Themes		Provides u		Disabled	Local System	
	Chread Ordering Server	Window	s Audio Pro	perties (Loc	al Computer)		×
	C TPM Base Services	17	6 16				
	🔍 UPnP Device Host	Genera	al Log On	Recovery D	ependencies		
	🔐 User Profile Service						
	🖓 Virtual Disk	Servi	ce name:	Audiosrv			
	🔍 Volume Shadow Copy	Displa	ay name:	Windows Aud	io		
	🖏 Windows Audio						
	🧠 Windows Audio Endpoint Builder	Desc	ription:	Manages aud	io for Windows-ba	sed programs. If this	
	Windows Color System			service is stop	ped, audio device	is and effects will no	· -
	Windows Driver Foundation - User-mode Driver Fi	Path	to evec table				
	Windows Error Reporting Service	C-\W	lindows\Suste	m32\evehoet	eve & LocalServic	Network Restricted	
	Windows Event Collector	0.44	indows toyato			one work to serve to	
	Windows Event Log	Startu	up type:	Automatic			-
	🥋 Windows Firewall						_
	🤐 Windows Installer	<u>Help</u>	me configure	service startup	options.		
	Windows Management Instrumentation						
	🤹 Windows Modules Installer	Servi	ce status:	Stopped			
	Windows Remote Management (WS-Management		a		1	1	
	🥋 Windows Time		Start	5 top	Pause	Hesume	
	🔍 Windows Update	You	can specify th	e start parame	ters that apply whe	en you start the servi	ce
	WinHTTP Web Proxy Auto-Discovery Service	from	here.	o otoni paramo	tore that apply mite		~
	🧠 Wired AutoConfig			-			
	🧠 WMI Performance Adapter	Start	parameters:	10			
	🧠 Workstation						
	Extended Standard	-			ОК	Cancel Ar	
							~
灯 Start 📙 🚠 💻	Services					3 0	1:29 PM

Windows Start-up Sound

Click Run in the Start menu, enter gpedit.msc and click OK. The Local Group Policy Editor window will open. Expand Local Computer Policy -> Computer Configuration -> Administrative Templates -> System -> Logon, and open the Setting Turn off Windows Start-up Sound. In the Turn Off Windows Start-up Sound Properties window click Disabled, then save the setting by clicking OK.



Change Computer name

1. When you start Windows Server 2008 for the first time or the **Do not show this window at logon** check is disabled you will see the following screen at startup. Otherwise you have to open the **Initial Configuration Tools** by clicking **Start**, and typing **oobe**. After the start menu has a result press **Enter**.

In the **Initial Configuration Tools** window click **Provide computer name and domain**. In the **System Properties** window that shows up click **Change**. Fill in the **Computer name** and **Workgroup** and click **OK** twice. After you click the **Close** button in the **System Properties** window choose to restart the computer.

Pe	rform the following tasks to ini	tially confi	gure this	Computer Name Hardwa	ire Advanced Re	mote
	Provide Computer Infor	mation		Windows uses on the network	the following informa c.	ation to identify your comput
	Set time zone	Time Zo	Computer N	Computer description: ame/Domain Changes		I on Server" or
	Configure networking	Local Ai	You can cha computer. C	ange the name and the mer hanges might affect access	nbership of this to network resource	:s.
	Provide computer name and domain	Full Con Workgr	More informa	ation		
2	Update This Server		Computer na WINSERVE	ame: ER2008		Change
	Enable automatic updating and feedback	Update: Feedba	Full compute WINSERVE	er name: R2008		
	Download and install updates	Checker	Member of C Doma	f	<u>M</u> ore	
3	Customize This Server		€ <u>W</u> ork	:group:		
	Add roles	Roles:	WOF	RKGROUP		Cancel App
	Add features	Feature		0	Cancel	
D	o not show this window at logon					Close

Optimize performance

To fully convert the Windows Server 2008 into a workstation we have setup that programs will have the best performance instead of background services.

1. To change the best performance setting into programs, open Start, right click on Computer and select Properties in the context menu.



2. On the left below **Tasks** click **Advanced system settings**. In the **Performance** section click **Settings**. After that the window **Performance Options** shows up. Go to the tab **Advanced**, select **Programs** and click **OK** twice to save these settings.

System	System Properties	×1=15
🛛 🖓 🔹 Control Panel 🔹	Performance Options X	Remote
e Edit View Tools Help	Visual Effects Advanced Data Execution Prevention	pr to make most of these changes.
Tasks	Processor scheduling	mony usage, and virtual memory
Device Manager	choose now to allocate processor resources.	
Advanced system settings	Adjust for best performance of: Programs	Settings
	Virtual memory	1
	A paging file is an area on the hard disk that windows uses as if it were RAM. Total paging file size for all drives: 1024 MB	Settings
	Change	igging information
		Settings
		Environment Variables
		Cancel Apply
See also		
Windows Update	OK Cancel Apply	ey .

Disabling Internet Explorer Enhanced Security

1. Start the Server Manager by clicking the Server Manager icon in the systray, or the Server Manager shortcut in directly the Start menu or in the menu Administrative Tools



2. Scroll down to **Security Information** within **Server Summary** and click **Configure IE ESC**. In the window that pops up select **Off** for both **Administrators** and **Users**. Save the changes by clicking **OK**.

Server Manager			
File Action View Help			
🗇 🔿 📰 🛛			
Server Manager (WIN-Y809ZG2FC) Server Manager (WIN-Y809ZG2FC	NP)		
Roles Features			
Get an overview of the si	atus of this server, p	erform top management tasks, and add or remove se	erver
Suffernet Explorer Enhanced Security Configuration	-		
Internet Explorer Enhanced Security Configuration (IE ESC) reduces the exposure of your server to potential attacks from Web-based content. Internet Explorer Enhanced Security Configuration is enabled by default for Administrators and Users groups. Administrators:	red	 Go to Windows Firewall Configure Updates Check for New Roles Run Security Configuration Wizard Configure IE ESC 	
On (Recommended)			
😵 🤆 Off	nistrators		
Users:			
On (Recommended)			
🔯 🕫 off		Roles Summary Help	
		Go to Roles	
More about Internet Explorer Enhanced Security Configuration		Para Remove Roles	-
OK Cancel	restarted Rest	tart	
Start 3 m Start 3 m Tataon	at Explorer Enh		04 AM

Themes

Like Microsoft Windows Vista it's also possible to use the Aero theme or at least the Vista Basic theme without transparency and 3d flip.

1. Start the Server Manager by clicking the Server Manager icon in the systray, or the Server Manager shortcut in directly the Start menu or in the menu Administrative Tools.



2. In the Server Manager click below the category Features Summary on Add Features.

iver Hallager		
Action View Help		
	1	
ver Manager (VIRTUALSERVER Roles	Server Manager (VIRTUALSERVER08)	
Features Diagnostics Configuration Storage	Get an overview of the status of this server, perform top management tasks, and add or remove se	erver roles and features.
	Server Summary	Server Summary Help
	Computer Information	Change System Properties
	Security Information	Go to Windows Firewall
	Roles Summary	Roles Summary Help
	Roles: 0 of 16 installed	Go to Roles
		Para Remove Roles
	Features Summary	Features Summary Help
	Features: 0 of 35 installed	Add Features
		Remove Features
	Resources and Support	Resources and Support Help
	Help make Windows Server better by participating in the Customer Experience Improvement Program (CEIP)	Participate in CEIP
	Report issues to Microsoft and get solutions to common problems by turning on Windows Error Reporting.	👰 Turn on Windows Error Reporting
	Browse technical resources for Windows Server, including how-to help, guides, web casts, and tools.	Windows Server TechCenter
	Get connected with other Microsoft customers through online community resources.	Windows Server Community Center
	Send us your feedback, such as bug reports and feature suggestions, to help make Windows better.	💽 Send Feedback to Microsoft
	Last Refresh: 10-2-2008 14:06:14 Configure refresh	

3. In the Add Features Wizard window check Desktop Experience, then click Next.

File Action View F File Action View F Server Manager (VI Server Manager (VI Roles Features Diagnostics Configuration	dd Features Wizard		
1 Storage	Features	Select one or more features to install on this server.	-
	Confirmation Progress Results	Features: Description: NET Framework 3.0 Features Bittocker Drive Encryption Bitts Server Extensions Connection Manager Administration Kit Desktop Experience does not enable any of the Windows Vista features; you must manually enable them. Pailover Clustering Group Policy Management Internet Printing Client Internet Printing Client Internet Storage Name Server LPR Port Monitor Peter Name Resolution Protocol Quality Windows Audio Video Experience Remote Assistance Remote Server Administration Tools Removable Storage Manager RPC over HTTP Proxy Simple TCP/IP Services Y	ties
		< Previous Next > Install Cancel	Center Junity Center
_	Send us your feedbad	k, such as bug reports and feature suggestions, to help make Windows better. Send Feedback to M	icrosoft
	Refresh usabled with		

4. Review the installation selection and click **Install** to start the installation.

📕 Server Manager							
File Action View	Help						
Server Manager (V)	Add Feature	es Wizard		<u>د</u>			
Roles Roles Patures Diagnostics Configuration Storage	Confirm Installation Selections						
	Features Confirmation Progress Results	n	To install the following roles, role services, or features, dick Install.	ties			
			Print, e-mail, or save this information < Previous Next > Install Cancel	Reporting Center			
•		Send us your feedbac	k, such as bug reports and feature suggestions, to help make Windows better.	icrosoft			
🎝 Start 🛛 🚠 🔜 🖇	<i>õ</i> (175	Server Manager		14:09			

5. After the installation has finished, click the **Close** button and click **Yes** if you are asked to restart your computer.

📕 Server Manager			
File Action View	Help		
Server Manager (VI	Add Features Wizard		×
 € Roles € Features ■ Diagnostics ■ Monoport Configuration 	Installation Resu	lts	
H E Storage	Features Confirmation Progress	One or more of the following roles, role services, or features require you to restart:	ties
	Results	Desktop Experience Restart Pending	
		Add Features Wizard Image: Do you want to restart now? This server must be restarted to finish the installation process, You cannot add or remove other roles, role services, or factors until the converted	P
		Yes No	t Help
		Print, e-mail, or save the installation report	Reporting
		< Previous Next > Close Cancel	Center Junity Center
	Send us your feedback	c, such as bug reports and feature suggestions, to help make Windows better. 🛛 🚷 Send Feedback to N	4icrosoft
4	Console cannot refre	sh until computer is restarted Restart	
🎊 Start 🗍 🚠 💻 🖉	🗧 🛛 🔒 Server Manager		14:12

6. When you computer has restarted, click **Start, Run**, then type **services.msc** and click **OK**. Next double click on the service named Themes, set **Start-up type** to **Automatic** and click **Apply**. Now click **Start** to start the themes service and close the service manager.

	Q Services					-D×
	File Action View	Help				
Computer		🗟 📾 🖬 🖬 🕨 🖿 🖬 🗈				
	Services (Local)	😋 Services (Local)				
		Themes	Name 🔺	Description	Status Startup Type	Log On As
. 🚬 -			Tablet PC Input Se	r Enables Tablet	Started Automatic	Local System
Network		Start the service	Task Scheduler	Enables a user e Provides supp	Started Automatic	Local System
		Description:	C Telephony	Provides Telep	Manual	Network S
_		Provides user experience theme management.	Terminal Services	Allows users t	Started Automatic	Network S
			Cerminal Services U	J Allows the redi	Started Manual	Local System
			C. Themes	Provides user	Automatic	Local System
Recycle Bin			C TPM Base Thomas	e Provides order	Manual Computor)	Local Service
			UPnP Dev	s Properties (Local	computery	<u> </u>
			User Prof Gener	ral Log On Recover	y Dependencies	1
			Virtual Ma Serv	rice name: Themes		
			Virtual Ma Disp	lay name: Themes		
			WebClien Des	cription: Provides	s user experience theme mana	agement.
			Windows			Y
			Windows Path	to executable:		
			Windows C:\V	Vindows\System32\svo	chost.exe -k netsvcs	
			Windows Start	tup type: Automa	tic	·
And Burn	<u>II</u>		Windows Help	me configure service s	startup options.	
- Kull			Windows	24		
Type the name of a progra	m, folder, document, o	r Internet itandard /	Serv	rice status: Stopped	1	
resource, and Windows wi	ll open it for you.			Start S	top Pause	Resume
Open: services.msc		-	You	can specify the start pa	arameters that apply when you	start the service
This task will be create	ed with administrative p	rivileges.	from	here.		
			Start	t parameters:		
		1				
ОК	Cancel B	rowse			OK Canc	el Apply
🍠 Start 🗍 🚠 💻 🏉 🔰 🔍 Se	ervices	Run				14:35

7. right click on an empty spot of your desktop and choose **Personalize**. In the Personalization window click **Theme**. Select the **Browse...** option from the dropdown if theme **Windows Vista** is not already listed.



8. If theme **Windows Vista** was not listed, browse to the folder **%windir%****Resources****Themes**, then select aero and click **Open**. Apply your selection by clicking **OK**.

🖾 Open Theme				×		
G Vindows	• Resources • Themes	🐼	Search			
🕘 Organize 👻 📗 Views	▼ Polder			0		
Favorite Links	Name -	Date modified	+ Type +	Size - Tag		
🧮 Desktop	aero aero	10-2-2008 14:13 19-1-2008 12:24	Windows Theme	2 KB		
Computer	Windows Classic	18-9-2006 22:40	Windows Theme	3 KB		
Pictures					urse to decerate the decktop	
Music					dies to decorate the desktop.	
Recently Changed Recently Changed					picture or animation that covers	
Public					me.	
					^{me} Theme Settinos	X
					Themes	
					A theme is a background plus a s	et of sounds, icons, and other
					elements to help you personalize	your computer with one click.
Folders ^	<u>•</u>				pry Theme:	
File name:	aero		Theme Files	<u> </u>	Browse	Save As Delete
			Open	Cancel	rit Sample:	
See also						
Taskbar and Start Menu					Active Window Normal Disabled Select	
Ease of Access					Window Text	
4.						
						OK Cancel Apply
🍠 Start 🛛 🚠 📰 🏉	Personalization	Theme	Settings			

9. If you have installed drivers for your video card you can also enable transparent window borders and 3D Flip (Windowskey + Tab) with **Windows Aero** Theme instead of the **Windows Vista Basic** theme. To do this click **Window Colour and Appearance** in your **Personalization** window, select **Windows Aero** and click **OK**.



Installing the Vista SideBar

Note for 64bit users: This tutorial is written for a 32bit version of Windows Server 2008. If you use a 64bit version of Windows Server, use C:\Program Files (x86) instead of the C:\Program Files directory used in the tutorials, then everything should work fine!

1. Download the zip-package with files needed to use the Vista Sidebar from rapidshare, megaupload or 4shared.

2. Open Windows Sidebar.zip and in the toolbar click Extract all files. Click the Browse button, expand Computer -> Local Disk (C:), and click Program Files. Select your destination by clicking OK.



2. Your Extract Compressed (Zipped) Folders window will now look like this. Click Extract to extract the files and folders of Windows Sidebar.zip to your C:\Program Files directory.



3. After the extraction has completed, click **Run** in the **Start** menu and enter the following command: "%**ProgramFiles%****Windows Sidebar**\sidebar.exe" /**RegServer**. You won't see anything happen but in the background the SideBar is being installed.

10.00	Computer		
	Network		
F	Recycle Bin		
	41		
4	Windows Sidebar		
3	🖅 Run	×	
		Type the name of a program, folder, document, or Internet resource, and Windows will open it for you.	
ŕ	Open:	ogramFiles%\Windows Sidebar\sidebar.exe" /RegServer	
		OK Cancel Browse	
-(🚋 📰 😥 🥟 🖉 Run	5:02
_			

4. Once again open the **Run** dialog by clicking **Start** -> **Run**, now enter: "% **ProgramFiles**% **Windows Sidebar**\sidebar.exe", and click **OK**. The taskbar will now show up! Let's configure that it will automatically start with Windows Server 2008!

🗁 Run Dpen:	Type the name of a program, folder, document, or Internet resource, and Windows will open it for you. "%ProgramFiles%\Windows Sidebar\sidebar.exe" This task will be created with administrative privileges. OK Cancel Browse	
📼 Run 🕡 Open:	Type the name of a program, folder, document, or Internet resource, and Windows will open it for you. "%ProgramFiles%\Windows Sidebar\sidebar.exe" This task will be created with administrative privileges.	
🖻 Run	Type the name of a program, folder, document, or Internet resource, and Windows will open it for you. "%ProgramFiles%\Windows Sidebar\sidebar.exe"	
📼 Run	Type the name of a program, folder, document, or Internet resource, and Windows will open it for you.	
🖾 Run	Type the name of a program, folder, document, or Internet resource, and Windows will open it for you.	
🖅 Run		
Sidebar		
Windows		
4		
Recycle Bin		
$ \Rightarrow $		
Network		
Computer		

5. To configure it to automatically start with Windows right click the SideBar icon in the system tray and click Properties.



6. Check the box **Start Sidebar when Windows starts**, then click **OK**. Your taskbar is now fully functioning! You can add Gadgets by right clicking **Add Gadgets** in the **system tray icon menu** or remove them by clicking **Close Gadget** in the context menu of a Gadget.

Computer Network Recycle Bin Windows Sidebar	Windows Sidebar Properties Sidebar Start Sidebar when Windows starts Arrangement Sidebar is always on top of other windows Display Sidebar on this side of screen: P Right Left Display Sidebar on monitor: View list of running gadgets Restore gadgets installed with Windows How do I customize Windows Sidebar? OK Cancel	Image: Control of the state of the stat
🕢 🚛 📼 🖉 📑 Windows Sid	ebar Pr	5 🛃 🏀 15:09

Installing Custom Gadgets

If you want to install custom gadgets (from for example: <u>http://vista.gallery.microsoft.com/vista/SideBar.aspx</u>) you first have to associate the .gadget extension with the Windows SideBar. You can do that by downloading and importing <u>gadget.reg</u> (right click - Save As) into the Windows register. For me this didn't work every time, so here is the custom way if gadgets won't install automatically. Prerequisite is that you have installed WinRAR or any other ZIP unpacking program. You can download WinRAR from <u>http://www.rarlabs.com/</u>

1. Go to <u>http://vista.gallery.microsoft.com/vista/SideBar.aspx</u> or any other gadgets website and click Download. When the download window appears don't click Open, but click **Save**!



2. Right click the .gadget-file and choose Open Within the context menu.



3. In the **Open With** window uncheck **Always use the selected program to open this kind of file**, and click **Browse**. Navigate to **C:\Program Files\WinRAR**\, select **WinRAR.exe** and click **Open**. In the **Open With** main window click **OK** to open the gadget file with WinRAR. Click **Open** if you get a Security Warning.



4. In WinRAR click **Extract To** in the menu bar. In the **Extraction path and options** window browse to **C:\Program Files\Windows Sidebar\Gadgets**\, and type the name of your gadget including .Gadget (You can type it over from the title bar of your WinRAR main window). In my case this name is **MultiMeterDv1.25a.Gadget**. Now click **OK** to extract the gadget to the Gadgets folder. After the extraction has completed you can close WinRAR.



5. Now you can add the item to the Sidebar by right clicking on the Sidebar and clicking Add Gadgets!

Enabling SuperFetch

When you are using Windows Server 2008 as a workstation SuperFetch will give your operating system a little bit more responsive while working on it.

1. To enable the SuperFetch service you will first have to make a little change in the registry. Open the Registry Editor by clicking **Run** in the **Start** menu. Next type **regedit** and click **OK**. In the **Registry Editor** browse to the location **HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Session Manager\Memory Management\PrefetchParameters**.



2. Right click in the right part of the window and choose DWORD (32bit) Value in the menu New. Type as Name: EnablePrefetcher



3. Edit the value of value **EnablePrefetcher** by doubleclicking on it. Change the **Value data** field into '3' (without quotes)



4. Next create a second **DWORD (32bit) Value**, name it **EnableSuperfetch** and also give it as **Value data '3'** (without quotes)



5. Close the Registry Editor, then click **Run** in the menu **Start**. Type **services.msc** and click **OK**. In the **Services** window, scroll down to the service with name **SuperFetch**.

	🔍 Services						
	File Action View	Help					
Computer	(= =) 🖬 🗐	Q 📑 🛛 🖬 🕒 🔳 II ID					
	Services (Local)	Name A	Description	Status	Startup Type	Log On As	
		Remote Procedure Call (RPC) Locator	Manages t		Manual	Network S	
		Remote Registry	Enables re	Started	Automatic	Local Service	
5		Resultant Set of Policy Provider	Provides a		Manual	Local System	
		Routing and Remote Access	Offers rout		Disabled	Local System	
Network		Secondary Logon	Enables st	Started	Automatic	Local System	
		Secure Socket Tunneling Protocol Service	Provides s		Manual	Local Service	
		Security Accounts Manager	The startu	Started	Automatic	Local System	
		Server 🔅	Supports fil	Started	Automatic	Local System	
		Shell Hardware Detection	Provides n	Started	Automatic	Local System	
		SL UI Notification Service	Provides S		Manual	Local Service	
Recycle Bin		Smart Card	Manages a		Manual	Local Service	
		Smart Card Removal Policy	Allows the		Manual	Local System	
		SNMP Trap	Receives tr		Manual	Local Service	
		Software Licensing	Enables th	Started	Automatic	Network S	
		Special Administration Console Helper	Allows adm		Manual	Local System	
		SSDP Discovery	Discovers		Disabled	Local Service	
		Superfetch	Maintains a		Disabled	Local System	
		System Event Notification Service	Monitors s	Started	Automatic	Local System	
		Tablet PC Input Service	Enables Ta	Started	Automatic	Local System	
		🔍 Task Scheduler	Enables a	Started	Automatic	Local System	
		CP/IP NetBIOS Helper	Provides s	Started	Automatic	Local Service	
		Carlephony Telephony	Provides T		Manual	Network S	
		Carterminal Services	Allows user	Started	Automatic	Network S	
		Configuration	Terminal S	Started	Manual	Local System	
		Cerminal Services UserMode Port Redirector	Allows the	Started	Manual	Local System	
🖅 Run		Chemes Chemes	Provides u	Started	Automatic	Local System	
		Chread Ordering Server	Provides or		Manual	Local Service	_
Type the name of a progra		Extended Standard					
resource, and Windows w		(Extended / Standard /					
	1						
Open: services.msc		T					
This task will be creat	ed with administrative	privileges.					
ок	Cancel E	Browse					
🍂 Start 🗍 🚠 💻 🏉 🔢 📼 R	un	Services				47 🔁	0:43

6. Right click on the **SuperFetch** service and choose **Properties** in the context menu.

Services

File Action View Help

Name 🔺	Description	Status	Startup Type	Log On As	*
Remote Procedure Call (RPC) Locator	Manages t	8. 	Manual	Network S	
Remote Registry	Enables re	Started	Automatic	Local Service	
Resultant Set of Policy Provider	Provides a		Manual	Local System	
Routing and Remote Access	Offers rout		Disabled	Local System	
Secondary Logon	Enables st	Started	Automatic	Local System	
Secure Socket Tunneling Protocol Service	Provides s		Manual	Local Service	
Security Accounts Manager	The startu	Started	Automatic	Local System	
Server	Supports fil	Started	Automatic	Local System	
Shell Hardware Detection	Provides n	Started	Automatic	Local System	
SL UI Notification Service	Provides S		Manual	Local Service	
Smart Card	Manages a		Manual	Local Service	
Smart Card Removal Policy	Allows the		Manual	Local System	
SNMP Trap	Receives tr		Manual	Local Service	
Software Licensing	Enables th	Started	Automatic	Network S	
Special Administration Console Helper	Allows adm		Manual	Local System	
SSDP Discovery	Discovers		Disabled	Local Service	
Superfetch	Maintains a		Disabled	Local System	
System Event Not Start	Monitors s	Started	Automatic	Local System	
Tablet PC Input S	Enables Ta	Started	Automatic	Local System	
Task Scheduler	Enables a	Started	Automatic	Local System	
CP/IP NetBIOS F	Provides s	Started	Automatic	Local Service	
Restart Restart	Provides T		Manual	Network S	
Carterminal Services All Tasks	Allows user	Started	Automatic	Network S	
C Terminal Services	Terminal S	Started	Manual	Local System	
Terminal Services Refresh	Allows the	Started	Manual	Local System	
Themes Properties	Provides u	Started	Automatic	Local System	
C. Thread Ordering 5	Provides or		Manual	Local Service	
TPM Base Service Help	Enables ac		Automatic (D	Local Service	
UPnP Device Host	Allows UPn		Disabled	Local Service	
User Profile Service	This servic	Started	Automatic	Local System	
🔍 Virtual Disk	Provides m		Manual	Local System	
Virtual Machine Additions Services Application	Provides o	Started	Automatic	Local System	
Virtual Machine Additions Shared Folder Service	Provides s	Started	Automatic	Local System	
Volume Shadow Copy	Manages a		Manual	Local System	
WebClient	Enables Wi	Started	Automatic	Local Service	
Windows Audio	Manages a	Started	Automatic	Local Service	•
Extended & Standard					

7. Next choose in the **Start-up type** dropdown **Automatic**. Click **Apply** in the lower right of the **Superfetch Properties** window. The **Start** button will now be enabled. Press the **Start** button to enable SuperFetch for your current session.

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	_		-		-

File Action View Help

Name 🔺	Description	Status	Startu	ір Туре	Log On	As			
Remote Procedure Call (RPC) Locator	Manages t		Mai S	uperfetc	h Proper	ties (Local Co	mputer)		
Remote Registry	Enables re	Started	Aut	_					
Resultant Set of Policy Provider	Provides a		Mai	General	Log On	Recovery De	pendencies		
Routing and Remote Access	Offers rout		Dis			120220			
Secondary Logon	Enables st	Started	Aut	Service	name:	SysMain			
Secure Socket Tunneling Protocol Service	Provides s		Mai	Display	name:	Superfetch			
Security Accounts Manager	The startu	Started	Aut						
Server Server	Supports fil	Started	Aut	Descript	tion:	Maintains and	improves system p	erformance	e over
Shell Hardware Detection	Provides n	Started	Aut			ume.			
SL UI Notification Service	Provides S		Mai	Dath to					
Smart Card	Manages a		Mai	CilWine	executabl	e. am 32∖eveboet e	va k Local Svetam	Network R	actricted
Smart Card Removal Policy	Allows the		Mai	C. WING	JOWS Syste	andz svenost.e	Ke K Lucaloystem	NELWOIKIN	Estificieu
SNMP Trap	Receives tr		Mai	Startup	type:	Disabled			
Software Licensing	Enables th	Started	Aut			Automatic (De	laved Start)		
Special Administration Console Helper	Allows adm		Mai	Help me	configure	Automatic	18 M.		
SSDP Discovery	Discovers		Dis	-		Manual			
Superfetch	Maintains a		Disi	Service	status:	Stopped			
System Event Notification Service	Monitors s	Started	Aut	1			1	1	
🔅 Tablet PC Input Service	Enables Ta	Started	Aut	9	tart	Stop	Pause		Resume
Task Scheduler	Enables a	Started	Aut	V					
CP/IP NetBIOS Helper	Provides s	Started	Aut	from her	r speciry u re	ie statt paramet	ers triat apply when	n you start	the serv
Canal Telephony	Provides T		Mai			1			
Carterminal Services	Allows user	Started	Aut	Start pa	rameters:				
Configuration	Terminal S	Started	Mai						
Terminal Services UserMode Port Redirector	Allows the	Started	Mai						
Chemes .	Provides u	Started	Aut				OK C	`ancel	1 ×
Chread Ordering Server	Provides or		Mai					Januer	
TPM Base Services	Enables ac		Autom	natic (D	Local S	ervice			
UPnP Device Host	Allows UPn		Disabl	ed	Local Se	ervice			
User Profile Service	This servic	Started	Autom	natic	Local S	/stem			
🙀 Virtual Disk	Provides m		Manua	al	Local S	/stem			
Kirtual Machine Additions Services Application	Provides o	Started	Autom	natic	Local S	stem			
Kirtual Machine Additions Shared Folder Service	Provides s	Started	Autom	natic	Local S	stem			
🖓 Volume Shadow Copy	Manages a		Manua	al	Local S	stem			
WebClient	Enables Wi	Started	Autom	natic	Local Se	ervice			
Windows Audio	Manages a	Started	Autom	natic	Local Se	ervice			
Extended λ Standard									

8. Final screen. Because we have set the **Start-up type** to **Automatic**, next time you start Windows Server 2008, the SuperFetch service will run to optimize your systems performance!

Q Services

File Action View Help

Name 🔺	Description	Status	Start	up Type	Log On	As	
Remote Procedure Call (RPC) Locator	Manages t		Mai	Superfetc	h Proper	ties (Lo	cal Computer)
Remote Registry	Enables re	Started	Aut	(
Resultant Set of Policy Provider	Provides a		Mai	General	Log On	Recove	ery Dependencies
Routing and Remote Access	Offers rout		Disi				
Secondary Logon	Enables st	Started	Aut	Service	name:	SysMai	n
Secure Socket Tunneling Protocol Service	Provides s		Mai	Display	name:	Superfe	stch
Security Accounts Manager	The startu	Started	Aut				
Server	Supports fil	Started	Aut	Descrip	tion:	Mainta	ins and improves system performance over
Shell Hardware Detection	Provides n	Started	Aut			time.	
SL UI Notification Service	Provides S	Started	Mai	Death as		<u>.</u>	
Smart Card	Manages a		Mai	Cilling	executable down	e. 	abart ava. Is Laas Surtan Naturals Particited
Smart Card Removal Policy	Allows the		Mai	C. WIN	Jows syst	emoz av	Chost.exe & Localoystenmetwork nestricted
SNMP Trap	Receives tr		Mai	Startup	type:	Autom	atic
🔅 Software Licensing	Enables th	Started	Aut			-	
Special Administration Console Helper	Allows adm		Mai	Help me	e configure	e service	startup options.
SSDP Discovery	Discovers		Dis	-			
😘 Superfetch	Maintains a	Started	Aut	Service	status:	Started	
System Event Notification Service	Monitors s	Started	Aut			1	11
Cablet PC Input Service	Enables Ta	Started	Aut		itart		Stop Pause Hesume
🖓 Task Scheduler	Enables a	Started	Aut	Valuation		ho start r	answeten that apply when you start the pensio
TCP/IP NetBIOS Helper	Provides s	Started	Aut	from her	r speciry ti re.	ne statt p	arameters that apply when you start the servic
Carlephony Telephony	Provides T		Mai				
Carterminal Services	Allows user	Started	Aut	Start pa	rameters:	2	
Carminal Services Configuration	Terminal S	Started	Mai			18 C	
Carminal Services UserMode Port Redirector	Allows the	Started	Mai	-			
Chemes .	Provides u	Started	Aut				OK Cancel Apr
🔅 Thread Ordering Server	Provides or		Mai				
C TPM Base Services	Enables ac		Autor	matic (D	Local S	ervice	
Q UPnP Device Host	Allows UPn		Disab	led	Local S	ervice	
🔅 User Profile Service	This servic	Started	Autor	matic	Local S	ystem	
Virtual Disk	Provides m		Manu	ial	Local S	ystem	
Virtual Machine Additions Services Application	Provides o	Started	Autor	matic	Local S	ystem	
🔅 Virtual Machine Additions Shared Folder Service	Provides s	Started	Autor	matic	Local S	ystem	
Solume Shadow Copy	Manages a		Manu	al	Local S	ystem	
WebClient	Enables Wi	Started	Autor	matic	Local S	ervice	
Windows Audio	Manages a	Started	Autor	matic	Local S	ervice	
Extended λ Standard							

Enable Wireless Networking

1. Start the Server Manager by clicking the Server Manager icon in the systray, or the Server Manager shortcut in directly the Start menu or in the menu Administrative Tools



2. In the Server Manager scroll down to Features Summary and click Add Features. In the Add Features Wizard window scroll down, check Wireless LAN Service and click Next.
| Server Manager | | |
|-----------------------|---|---|
| Add Features Wizard | | |
| Select Features | | |
| Confirmation | Select one or more features to install on this server. Eastures: Description: | les and features. |
| Progress
Results | Preducts: Description: Quality Windows Audio Video Experience Wireless LAN (WLAN) Service Remote Assistance Configures and starts the WLAN Remote Differential Compression witeless LAN (wLAN) Service Remote Assistance wireless LAN (wLAN) Service Remote Assistance wireless LAN (wLAN) Service Remote Differential Compression wireless LAN (wLAN) Service Remote Server Administration Tools manages to the wireless of whether the computer has any wireless adapters, wLAN Auto Config enumerates wireless adapters, and manages both wireless connections and the wireless connections Simple TCP/IP Services ShTP Server Storage Manager for SANs Subsystem for UNIX-based Applications Telnet Client mindows Internal Database Windows PowerShell Windows System Resource Manager Windows System Resource Manager Windows System Resource Manager WINS Server Windows System Resource Manager | Go to Windows Firewall
Configure Updates
Check for New Roles
Run Security Configuration Wizard
Configure IE ESC |
| | More about features | Go to Roles
Add Roles |
| | Previous Next > Install Cancel OFFeatures Summary | Remove Roles Features Summary Help |
| | Seatures: 1 of 35 installed | Add Features |
| • • | Refresh disabled while wizard in use | |
| | | |
| 🐉 Start 📙 🚠 💻 🏉 🔢 🚠 S | erver Manager | 🕄 ሌ 13:15 |

3. At the **Confirm Installation Selections** page click **Install**.

📕 Server M	anager	
Add Featur	es Wizard	
	Confirm Installation Selections	
Features Confirmation	To install the following roles, role services, or features, dick Install.	les and features.
Results	 This server might need to be restarted after the installation completes. Wireless LAN Service 	
		Go to Windows Firewall Configure Updates Check for New Roles Run Security Configuration Wizard Configure IE ESC
	Print, e-mail, or save this information	Roles Summary Help Go to Roles Add Roles
	< Previous Next > Install Cancel	Remove Roles
	 ○ Features Summary ○ Features: 1 of 35 installed 	Add Features
•	Refresh disabled while wizard in use	
Start	🚡 🔜 🏉 🔢 🚠 Server Manager	13:18

4. Click **Close** to finish the installation. Now you have wireless support in Windows Server 2008!

Server Manager			×
Add Features Wizard			
Installation Re	sults		
Features	The following roles, role services, or feat	ures were installed successfully:	les and features.
Progress	Wireless LAN Service	Installation succeeded	
			Go to Windows Firewall Configure Updates Check for New Roles Run Security Configuration Wizard Configure IE ESC
	Print, e-mail, or save the installation repo	<u>rt</u>	Roles Summary Help
			Go to Roles
		< Previous Next > Close Cancel	Add Roles Remove Roles
	Features Summary		Features Summary Help
	Seatures: 2 of 35 installed		Add Features
۲ () () ()	🛛 🕄 Refresh disabled while wizard in use		
灯 Start 📙 🚠 💻 🏉 👘 📑	Server Manager		13:26

Extend Evaluation Period to 240 days

Original Author at Win2008Workstation. Made and Edited into PDF DAz999 2008-03-10

Probably you want to use Windows Server 2008 as your default operating system, but because of the 60 day limit you haven't installed it yet. This guide will explain how to reset up to 3 times so you have 240 days (4 x 60 days) time to evaluate. Don't rearm if you don't need to, because if you do that you waste the evaluation time you had remaining! Microsoft's Knowledge Database <u>explains</u> a way to configure it will automatically reset each 60 days, but the Task Scheduler gives an error when you try to import the Task, because the maximum interval between triggers is 31 days, and the .xml file tries to set a delay of 59 days. The information in this guide is the same information as the KB article.

1. First we are going to take a look how many days we have left to evaluate Windows Server 2008. Click **Run** in the menu **Start**, then type **slmgr.vbs** -dli and click **OK**. Be patient after clicking OK because it will take some time before it will show you a **Windows Script Host** message window that says how much time you have remain.



2. If the message window previous screen says you have only a few days left do the following to reset the evaluation period back to 60 days. Click **Run** in the menu **Start**, then type **slmgr.vbs -rearm** and click **OK**. After a couple of seconds it will show you the message window that the command has completed. Restart your system to apply the reset!

Computer			
Network			
Recycle Bir			
		Windows Script Host Command completed successfully. Please restart the system for the changes to take effect. OK	
Copen:	Type the name of a program, folder, document, o resource, and Windows will open it for you. slmgr.vbs -rearm This task will be created with administrative p	r Internet	
2 Start		Windows Script Host	4 15:39

3. To verify your evaluation period is reset after reboot click **Run** in the **Start** menu, enter **slmgr.vbs** -**dli** and click **OK**. A few moments later it will show you, you have 60 days left again!



Additional Information

Win2008Workstation Forum

Microsoft Windows Server Download Links

Windows Server 2008 Standard

Windows Server 2008 Enterprise

Dual Boot Windows Vista and Windows Server 2008

I proceeded to install Windows Server 2008 onto the third hard drive within a desktop computer that currently has Windows Vista running on the first two disks within a RAID configuration.

Windows Server 2008 installed without an issue however upon rebooting, once the installation was complete, there was no boot menu. Of course, Microsoft had removed the boot.ini file that users of previous versions of Windows were so familiar with and replaced it with the Windows Vista Boot Configuration Data (BCD) store. Windows Server 2008 also uses the same BCD store and the installation does not enumerate your disks to add boot entries for other operating systems found, which previous versions of the Windows setup would do automatically.

Although there are several utilities with nice user interfaces available to help you edit the BCD store, I decided that I would learn how to use the bcdedit.exe command line utility that Microsoft provides for this purpose.

Using bcdedit.exe /enum to enumerate through the current entries within the BCD store you'll see something like the following:

Windows Boot Manager -----identifier {bootmgr} device partition=C: description Windows Boot Manager locale en-US inherit {globalsettings} default {current} displayorder {current} toolsdisplayorder {memdiag}
timeout 30

Windows Boot Loader

35f2}

To enable the computer to also boot Windows Vista you again use bcdedit.exe with the following command which will copy the current Windows Boot Loader details for Windows Server 2008 to Windows Vista.

bcdedit.exe /copy {current} /d "Microsoft Windows Vista"

bcdedit.exe will respond with something like the following.

The entry was successfully copied to {8677dee0-e502-11dc-9f96-001e4cde5025}.

Using bcdedit.exe /enum to again enumerate through the current entries within the BCD store you'll see the newly added entry:

Windows Boot Manager

identifier {bootmgr}
device partition=C:
description Windows Boot Manager
locale en-US
inherit {globalsettings}
default {current}
displayorder {current}
toolsdisplayorder {memdiag}
timeout 30

Windows Boot Loader

Original Author at Win2008Workstation. Made and Edited into PDF DAz999 2008-03-10

identifier	{current}
device	partition=C:
path	\Windows\system32\winload.exe
description	Microsoft Windows Server 2008
locale	en-US
inherit	{bootloadersettings}
osdevice	partition=C:
systemroot	Windows
resumeobject	{6d3956ce-e199-11dc-8c11-c156da9e35f2}
nx	OptOut
Windows Boot Loade	r
	-
identifier	{8677dee0-e502-11dc-9f96-001e4cde5025}.
device	partition=C:
path	\Windows\system32\winload.exe
description	Microsoft Windows Vista
locale	en-US
inherit	{bootloadersettings}
osdevice	partition=C:
systemroot	\Windows
resumeobject	{6d3956ce-e199-11dc-8c11-c156da9e35f2}
nx	OptOut

Before you can use the newly created Windows boot loader configuration, you'll need to change the partition for Windows Vista using the following two bcdedit.exe commands.

bcdedit.exe /set {8677dee0-e502-11dc-9f96-001e4cde5025} device partition=D:

```
bcdedit.exe /set {8677dee0-e502-11dc-9f96-001e4cde5025} osdevice partition=D:
```

If you now reboot the system you should now be able to boot into either Windows Server 2008 or Windows Vista.

How to extend the Windows Server 2008 evaluation period

View products that this article applies to.

Article ID : 948472

Last Review : February 6, 2008

Revision : 1.2

Beta Information

This article discusses a beta release of a Microsoft product. The information in this article is provided as-is and is subject to change without notice.

No formal product support is available from Microsoft for this beta product. For information about how to obtain support for a beta release, see the documentation that is included with the beta product files, or check the Web location where you downloaded the release.

On This Page

∲<u>SUMMARY</u>

- INTRODUCTION
- *<u>MORE INFORMATION</u>
- *How to install Windows Server 2008 without activating it
- How to manually extend the evaluation period
- $\frac{1}{2}$ How to automate the extension of the evaluation period

SUMMARY

This article describes how to extend, or re-arm, the Windows Server 2008 evaluation period. The evaluation period is also known as the "activation grace" period. These instructions apply to any edition of Windows Server 2008. This includes evaluation copies.

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INTRODUCTION

Evaluating Windows Server 2008 software does not require product activation. Any edition of Windows Server 2008 may be installed without activation, and it may be evaluated for 60 days. Additionally, the 60-day evaluation period may be reset (re-armed) three times. This action extends the original 60-day evaluation period by up to 180 days for a total possible evaluation time of 240 days.

Note Although you can reset the 60-day evaluation period, you cannot extend it beyond 60 days at any time. When you reset the current 60-day evaluation period, you lose whatever time is left on the previous 60-day evaluation period. Therefore, to maximize the total evaluation time, wait until close to the end of the current 60-day evaluation period before you reset the evaluation period.

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MORE INFORMATION

How to install Windows Server 2008 without activating it

- 1. Run the Windows Server 2008 Setup program.
- 2. When you are prompted to enter a product key for activation, do not enter a key. Click **No** when Setup asks you to confirm your selection.
- 3. You may be prompted to select the edition of Windows Server 2008 that you want to evaluate. Select the edition that you want to install.

Note After Windows Server 2008 is installed, the edition cannot be changed without reinstalling it.

- 4. When you are prompted, read the evaluation terms in the Microsoft Software License Terms, and then accept the terms.
- 5. When the Windows Server 2008 Setup program is finished, your initial 60-day evaluation period starts. To check the time that is left on your current evaluation period, run the SImgr.vbs script that is in the System32 folder. Use the -dli switch to run this script. The sImgr.vbs -dli command displays the number of days that are left in the current 60-day evaluation period.

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How to manually extend the evaluation period

When the initial 60-day evaluation period nears its end, you can run the SImgr.vbs script to reset the evaluation period. To do this, follow these steps:

- 1. Click Start, and then click Command Prompt.
- Type **slmgr.vbs** -dli, and then press ENTER to check the current status of your evaluation period.
- 3. To reset the evaluation period, type **slmgr.vbs** –**rearm**, and then press ENTER.
- 4. Restart the computer.

This resets the evaluation period to 60 days.

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How to automate the extension of the evaluation period

You may want to set up a process that automatically resets the evaluation period every 60 days. One way to automate this process is by using the Task Scheduler. You can configure the Task Scheduler to run the Slmgr.vbs script and to restart the server at a particular time. To do this, follow these steps:

- 1. Click Start, point to Administrative Tools, and then click Task Scheduler.
- 2. Copy the following sample task to the server, and then save it as an .xml file. For example, you can save the file as **Extend.xml**.

<?xml version="1.0" encoding="UTF-16"?> <Task version="1.2" xmlns="http://schemas.microsoft.com/windows/2004/02/mit/task">
<RegistrationInfo> <Date>2007-09-17T14:26:04.433</Date> <Author>Microsoft Corporation</Author> </RegistrationInfo>
<Triggers> <TimeTrigger id="18c4a453-d7aa-4647-916b-af0c3ea16a6b"> <Repetition> <Interval>P59D</Interval>
<StopAtDurationEnd>false</StopAtDurationEnd> </Repetition> <StartBoundary>2007-10-05T02:23:24</StartBoundary>
<EndBoundary>2008-09-17T14:23:24.777</EndBoundary> <Enabled>true</Enabled> </TimeTrigger> </Triggers> <Principals>
<Principal id="Author"> <UserId>domain\alias</UserId> <LogonType>Password</LogonType> <RunLevel>HighestAvailable</RunLevel>
</Principal> </Principals> <Settings> <IdleSettings> <Duration>PT10M</Duration> <WaitTimeout>PT1H</WaitTimeout>

<StopOnIdleEnd>true</StopOnIdleEnd> <RestartOnIdle>false</RestartOnIdle> </IdleSettings>
<MultipleInstancesPolicy>IgnoreNew</MultipleInstancesPolicy> <DisallowStartIfOnBatteries>true</DisallowStartIfOnBatteries>
<StopIfGoingOnBatteries>true</StopIfGoingOnBatteries> <AllowHardTerminate>true</AllowHardTerminate>
<StartWhenAvailable>false</StartWhenAvailable> <RunOnlyIfNetworkAvailable>false</RunOnlyIfNetworkAvailable>
<AllowStartOnDemand>true</AllowStartOnDemand> <Enabled>true</Enabled> <Hidden>false</Hidden>
<RunOnlyIfIdle>false</RunOnlyIfIdle> <WakeToRun>true</WakeToRun> <ExecutionTimeLimit>P3D</ExecutionTimeLimit>
<DeleteExpiredTaskAfter>PT0S</DeleteExpiredTaskAfter> <Priority>7</Priority> <RestartOnFailure> <Interval>PT1M</Interval>
<Count>3</Count> </RestartOnFailure> </Settings> <Actions Context="Author"><Exec>
<Command>C:\Windows\System32\shutdown.exe</Command> <Arguments>/r</Arguments> </Exec> </Command>C:\Windows\System32\shutdown.exe</Command> <Arguments>/r</Arguments> </Exec> </Command>C:\Windows\System32\shutdown.exe</Command> <Arguments>/r</Arguments> </Exec> </Command>C:\Windows\System32\shutdown.exe</Command> <Arguments>/r</Arguments> </Exec> </Command> </Count> </Count> </Count> </Command> </Count> </Count>

- 3. In the sample task, change the value of the following "UserID" tag to contain your domain and your alias: <UserId>*domain**alias*</UserId>
- 4. In the Task Scheduler, click **Import Task** on the **Action** menu.
- 5. Click the sample task .xml file. For example, click **Extend.xml**.
- 6. Click **Import**.
- 7. Click the **Triggers** tab.
- 8. Click the **One Time** trigger, and then click **Edit**.
- 9. Change the start date of the task to a date just before the end of your current evaluation period.
- 10. Click **OK**, and then exit the Task Scheduler.

The Task Scheduler will now run the evaluation reset operation on the date that you specified.

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APPLIES TO

- Windows Server 2008 Enterprise
- Windows Server 2008 Standard
- Windows Web Server 2008
- Windows Server 2008 Datacenter
- Windows Server 2008 Datacenter without Hyper-V
- Windows Server 2008 Enterprise without Hyper-V
- Windows Server 2008 for Itanium-Based Systems
- Windows Server 2008 Standard without Hyper-V