
Microsoft Windows Server 2003 Web Edition Enhanced

April 27, 2007

Abstract

Microsoft® Windows Server® 2003 Web Edition Enhanced is a new edition especially for hosting providers who need an economical and efficient web server operating system for the web developer audience. Web Edition Enhanced enables hosting providers to rapidly deploy new service offerings at a lower price points while retaining the core functionality that demanding users require.

The new features make Web Edition Enhanced more secure, reliable, highly available, and scalable. Web Edition Enhanced provides the infrastructure to target the web developer channel with offers that were not available with the previous Web Edition.

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Introduction to Microsoft Windows Server 2003 Web Edition Enhanced

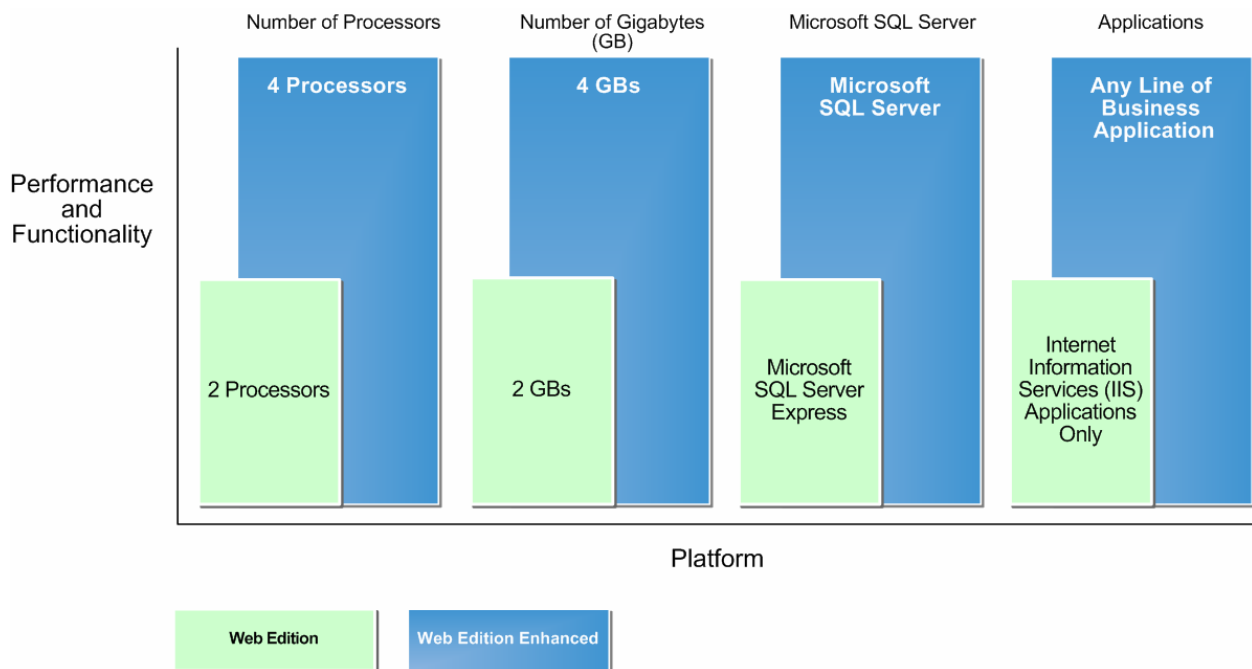
Microsoft® Windows Server® Web Edition Enhanced is part of the Microsoft Windows Server 2003 family. Like Windows Server 2003 Web Edition, it is an easy-to-deploy, easy-to-manage server operating system. The enhancements in this version give hosting providers a prime opportunity to grow their Web hosting business.

Web Edition Enhanced delivers advanced Web functionality in an economical and efficient Web server operating system. Web Edition Enhanced provides hosting providers with the infrastructure to target the Web developer channel with offers that were not available with the previous Web Edition. Web Edition Enhanced is even more secure, reliable, highly available, and scalable.

Web Edition Enhanced allows for improved performance and higher functionality by enabling the use of the following:

- Double the amount of RAM
- Double the number of processors
- Microsoft SQL Server™ Workgroup or Standard Edition rather than SQL Server Express
- Any Microsoft Windows®-compatible line of business (LOB) applications

Figure 1: Comparison of features for Windows Web Edition with those for Windows Web Edition Enhanced



Create New Offers

These added features in Web Edition Enhanced allow hosting providers to offer exciting new opportunities to their developer audience. When you are creating new offers, consider how Web Edition Enhanced will improve your competitive advantage and decide how you will market the offers.

For instance, ASP.NET AJAX is the ideal framework to up-sell hardware, software, pre-built components and templates, and services to existing customers and the potential for higher-value service level agreements.

IIS 6.0 allows providers to cut costs by consolidating servers and improve security, reliability, manageability, and performance.

Microsoft Windows SharePoint® Services applications provide a starting point for developers that are looking to build deeper solutions for their customers.

Drive Revenue and Customer Satisfaction with ASP.NET and AJAX

Today, there is great demand for ASP.NET hosting offers. Why? Because Microsoft ASP.NET excites developers with its combination of unprecedented productivity and great tools that provide benchmark performance, reliability, and ease of deployment.

Add ASP.NET AJAX and you can offer customers a way to quickly create a new generation of more efficient, more interactive, and highly-personalized Web experiences that work across all the most popular browsers. AJAX lets you execute a server-side method through a JavaScript call, without requiring a browser refresh. Think of it as a miniature request/response that happens behind the scenes from the user.

These features and capabilities make ASP.NET AJAX the ideal framework with which you can up-sell hardware, software, prebuilt components and templates, and services to existing customers. The up-sell opportunity occurs as developer customers learn to use the full power of ASP.NET. As they do, they may need to add additional memory or disk space, or consider using more of your value-added services.

In addition, with the increased dependability of Windows Server 2003 and ASP.NET, you can offer higher-value service level agreements, potentially generating higher revenues. The result is satisfied customers and new offerings that mean more average revenue per user, more profits, and less churn.

Additionally, Microsoft is working with developers across the world to promote adoption of ASP.NET. By teaming with Microsoft, you tap into powerful market momentum.

To download AJAX, see [ASP.NET AJAX Downloads](#)

For more information about ASP.NET AJAX, see the following:

- [ASP.NET AJAX](#)
- [ASP.NET AJAX Control Toolkit](#)
- [ASP.NET 2.0 AJAX Futures January CTP](#)
- [ASP.NET Developer Center](#)

Deploy Windows SharePoint Services 3.0

Windows SharePoint Services 3.0 is technology in the Windows Server operating system that offers an integrated portfolio of collaboration and communication services designed to connect people, information, processes, and systems both within and beyond the organizational firewall. It has been designed for easy implementation by hosted service providers, who can quickly and cost-effectively deploy a customer site designed to meet customer needs for collaboration and lightweight business applications. Windows SharePoint Services includes 41 application templates—and that number is growing—tailored to address the needs and requirements for specific business scenarios, such as project management, document management and collaboration, business process management, customer relationship management, campaign management, and incident management. These templates can solve many business needs right out of the box; they can also be customized with tools such as Microsoft Office SharePoint Designer 2007 or the Microsoft Visual Studio® development system, so that customers or developers can build even more sophisticated Microsoft ASP.NET-compatible solutions with Windows SharePoint Services.

Do More with Internet Information Services (IIS) 6.0

What if you could cut costs by consolidating servers, and improve security, reliability, manageability, and performance at the same time? You can — with Microsoft Windows Server 2003 Web Edition Enhanced with Internet Information Services (IIS) 6.0.

The fault-tolerant architecture of Web Edition Enhanced significantly increases the reliability of your Web server infrastructure. It also helps to ensure that one application's failure doesn't cause other applications or the server to fail. With kernel-mode caching, you can host more applications on one server.

In addition to improved performance and reliability, the Windows Server 2003 family helps you do more with less by providing a dependable server infrastructure that improves on the fundamentals — security, reliability, manageability, and performance — while reducing administrative costs.

Microsoft also provides service providers with marketing tools and offers that attract developers, because they feature the technologies that solve their business needs.

For more information, see [Internet Information Services](#)

Build Applications with SQL Server 2005 Express Edition

SQL Server 2005 Express Edition is a free, easy-to-use, lightweight version of SQL Server 2005. Using Microsoft Visual Studio Express or the development tool of choice, your customers can start building applications right away. Best of all, as their needs grow their applications will seamlessly work with the rest of the SQL Server product family.

For more information on SQL Server 2005 Express Edition, see [SQL Server 2005 Express Edition](#)

Make the Most of Up-Sell Opportunities

Control Panel Software

Service providers offering dedicated Web hosting should consider offering control panel software that allows customers to independently manage administrative tasks such as adding e-mail accounts, reviewing statistics, and performing backup and restore functions. Control panels automate system and site management tasks through the use of a graphical user interface. You can typically customize the interface to incorporate your company's branding elements. Control panels can accelerate your time to market, ease administrative burdens, increase your efficiency, and create a new revenue channel. Visit the [Microsoft Partner Solutions Center](#) to learn about Microsoft technology partners, including those that provide control panel software.

Web Site Starters for Windows

Applications in Web Site Starters for Windows drive end-customer interest and up-sell by providing a full set of compelling applications built by Microsoft partners and the community. These applications are selected based on criteria which demonstrate a strong fit for shared Windows Web hosting.

To download these applications and learn more, see [Web Site Starters for Windows](#)

Note

At the Web site, you must first register as a partner to download these applications.

Offers That Solve Your Customer's Business Needs

Meet your customer's needs by creating offers that highlight software development, next generation applications, and collaboration.

Developer Offer: Help Developers Extend Their Reach with ASP.NET

To see a sample of a developer offer, see [Developer Offer](#)

Bill of Materials for Web Edition Enhanced for Developers

- [Microsoft Windows Server 2003 R2 Web Edition Enhanced, configured for IIS 6.0](#)
- [.NET Framework 3.0](#)
- [XML 6.0](#)
- [SQL Server Express](#)
- [Visual Web Developer](#)
- [AJAX](#)
- [Web Site Starters for Windows](#) (optional)
- [Windows Update](#)

Developer Resources

For the latest news, tips, and tools on ASP.NET, see [Microsoft ASP.NET](#)

To learn about ASP.NET AJAX, see [ASP.NET AJAX Hosting](#)

To learn about official ASP.NET community forums, see [ASP.NET Discussions](#)

To access developer blogs and newsgroups, see [Developer Community](#)

To learn more about a free lightweight development tool, see: [Microsoft Visual Studio Express Editions](#)

For a free download of ASP.NET AJAX, see [ASP.NET AJAX Downloads](#)

Designer Offer: Discover New Opportunities with Application Tools

To see a sample of an application offer, see [Designer Offer](#)

Bill of Materials for Web Edition Enhanced for Applications

- [Microsoft Windows Server 2003 R2 Web Edition Enhanced, configured for IIS 6.0](#)
- [.NET Framework 3.0](#)
- [XML 6.0](#)
- [SQL Server 2005 Workgroup Edition](#)
- [Windows Update](#)

Application Resources

For a free trial download of Microsoft Expression, see [Microsoft Expression Web Free Trial](#)

To view webcasts about Microsoft Expression, see [Events and Webcasts](#)

Windows SharePoint Services Offer: Solve Your Customer's Business Needs with Collaboration Tools

To view a sample of a collaboration offer, see, [SharePoint Offer](#)

Bill of Materials for Web Edition Enhanced for Collaboration

- [Microsoft Windows Server 2003 R2 Web Edition Enhanced, configured for IIS 6.0](#)
- [.NET Framework 3.0](#)
- [XML 6.0](#)
- [Microsoft Windows SharePoint Services 3.0](#)
- [Windows Update](#)

Collaboration Resources

For more information about Windows SharePoint Services, see [Windows SharePoint Services](#)

For information to help you evaluate Windows SharePoint Services, see the following:

[Windows SharePoint Services Overview](#)

[Windows SharePoint Services Version Comparison](#)

Appendix

Deploying Web Edition Enhanced

This section provides the information you will need to install and configure a server for a dedicated Web hosting offering for Web developers. It includes information on installing components such as Internet Information Services (IIS) and ASP.NET, SQL Server 2005 Express Edition, and Windows SharePoint Services version 3.0. It also includes information on how to install and configure IIS components, such as File Transfer Protocol (FTP) and Microsoft FrontPage® Server Extensions add-ons.

A dedicated Web hosting server requires Windows Server 2003 R2 with .NET Framework 2.0 installed. Additionally, the server must be configured with two network interface cards.

To perform a clean installation of Windows Server 2003 R2 using the product discs, you will need to install both Disc 1 and Disc 2 of the Windows Server 2003 R2 distribution.

Install Microsoft Windows Server 2003 R2

Procedure WEE.1: To install Windows Server 2003 R2

1. Insert Disc 1 into your CD-ROM drive, and then restart the computer.
2. Follow the instructions in your computer's startup routine to start the computer from the CD.
3. Perform a default installation of Windows Server 2003, Web Enhanced Edition, by using the CD boot method. Install the Support Tools from the Windows Server 2003 CD. Use appropriate naming conventions for your environment; however, for the purposes of this guide, the server should be named WEB03.
4. After Setup for Windows Server 2003 with SP1 is complete, log on to the computer as an administrator. Insert Disc 2 into your CD-ROM drive. Setup for Disc 2 should start automatically. If it does not start automatically, browse to Disk 2 (or the shared folder that contains the Setup files) and in the **\Cmpnents\R2** folder, click **Setup2.exe**. Follow the instructions on your screen to upgrade to R2.
5. Turn on Remote Desktop: Click **Start**, open **Control Panel**, select **System**, and then click the **Remote** tab. Select the **Allow users to connect remotely to this computer** check box. In the warning dialog box, click **Yes**.
6. Enable internal-facing (BackNet) and external-facing (FrontNet) network interfaces.
7. Apply any released updates to Windows Server 2003 by using [Windows Update](#).
8. On the **Taskbar**, click **Start**, point to **Control Panel**, and then click **Add or Remove Programs**. Click **Add/Remove Windows Components**, and then select the check box to install **Microsoft .NET Framework 2.0**. Click **Next**. After installation completes, click **Finish**.
9. Set the **Application**, **Security**, and **System** event logs to **20** megabytes (MB), and then configure them to overwrite as needed.

Install IIS

For the dedicated Web hosting server reference architecture, install the following IIS components:

- Common Files
- IIS Manager
- World Wide Web Service
- ASP
- ASP.NET 1.1
- ASP.NET 2.0
- FTP

Prior to installing IIS components, you should decide if you wish to install FrontPage Server Extensions 2002. These enable users of Microsoft FrontPage to edit and publish Web sites.

Procedure WEE.2: To install IIS

1. Log on with an account that is a member of the local Administrators group.
2. On the Taskbar, click **Start**, point to **Control Panel**, and then click **Add or Remove Programs**.
3. Click **Add/Remove Windows Components**.
4. Select **Application Server**, and then click **Details**.
5. On the **Application Server** page, select the following components:
 - **ASP.NET**
 - **Enable Network COM+ Access**
 - **Internet Information Services (IIS)**
6. Highlight **Internet Information Services (IIS)**, and then click **Details**.
7. On the **Internet Information Services (IIS)** page, verify the following components are selected:
 - **Common Files**
 - **File Transfer Protocol (FTP) Service**
 - **Internet Information Services Manager**
 - **World Wide Web Service**
8. If you are installing any optional components, verify they are selected on the **Internet Information Services (IIS)** page:
 - FrontPage 2002 Server Extensions
9. Select **World Wide Web Service**, and then click **Details**.
10. On the **World Wide Web Service** page, select the following components:
 - **Active Server Pages**
 - **World Wide Web Service**
11. Click **OK** three times.
12. Click **Next** to proceed with installation.

Note

You will be prompted for the Windows Server 2003 installation media.

13. On the **Completing the Windows Component Wizard** page, click **Finish**.

After the installation is completed, validate that **Internet Information Services** was installed.

Procedure WWE.3: To verify successful IIS installation on the server

1. On the Taskbar, click **Start**, point to **Administrative Tools**, and then click **Internet Information Services (IIS) Manager**.
2. Expand the **WEB03** server.
3. Expand **Web Sites**, and then verify that the **Default Web Site** is present.
4. Expand **FTP Sites** and verify that **Default FTP Site** is present.

You should register ASP.NET 2.0 as the default version of ASP.NET for all sites. Note that this can be changed on a per-site basis using the IIS Manager.

Procedure WEE.4: To register ASP.NET 2.0 as default

1. On the Taskbar, click **Start**, and then click **Run**.
2. Type **cmd** in the text box, and then click **OK**.
3. At the command prompt, change the directory by typing **cd C:\Windows\Microsoft.NET\Framework\v2.0.50727** then press ENTER.
4. At the command prompt, type the following command, and then press ENTER:
aspnet_regiis.exe -r

Note

This will change the script mapping for all sites on the server to use ASP.NET 2.0 as the default.

Procedure WEE.5: To verify that ASP.NET 2.0 has been enabled

1. Open **Internet Information Services (IIS) Manager**, expand **WEB01**, and then click **Web Service Extensions** in the left pane.
2. Verify that **ASP.NET 2.0.50727** is listed as **Allowed** in the right pane.

Install .NET Framework 3.0

Procedure WEE.6: To download and install Microsoft .NET Framework 3.0 Redistributable Package

- To download and install Microsoft .NET Framework 3.0 Redistributable Package, follow the instructions at [Microsoft .NET Framework 3.0 Redistributable Package](#)

Install XML 6.0

Procedure WEE.7: To download and install XML 6.0

- To download and install XML 6.0, follow the instructions at [Microsoft Core XML Services \(MSXML\) 6.0](#)

Add Microsoft SQL Server 2005 Express Edition to the Server

Procedure WEE.8: To install SQL Server 2005 Express Edition

- To install SQL Server 2005 Express Edition with Advanced Services, please follow the instructions at [How to: Install SQL Server Express](#)

Note

When given the choice to copy or install, choose copy.

Install SQL Server 2005 Workgroup Edition

Procedure WEE.9: To prepare the server

1. Enable an internal-facing (BackNet) network interface. Assign this interface a BackNet IP address and Subnet Mask and set the DNS server to the BackNet IP address of AD01.
2. Enable an external-facing network interface. Assign this interface an external IP address, Subnet Mask, Gateway, and DNS server.

Note

The external-facing network interface will be disabled at a later time. This is a temporary interface used primarily to download software updates.

3. Click **Start**, point to **Control Panel**, click **System**, and then click the **Remote** tab.
4. Select the **Enable Remote Desktop on this computer** check box. In the warning dialog box, click **Yes**.
5. Click **Start**, point to **Control Panel**, and then click **Add or Remove Programs**.
6. Click **Add/Remove Windows Components**, and select the check box to install the **Microsoft .NET Framework 2.0**, and then click **Next**.
7. After installation completes, click **Finish**.
8. Install Support Tools from the Windows Server 2003 CD. Browse to the **Support Tools** directory and run **SupTools.msi**. Follow the instructions on your screen to install the Support Tools.
9. Set the **Application**, **Security**, and **System** event logs to 20 megabytes (MB) and configure them to overwrite as needed.
10. Apply any released updates to Windows Server 2003 by using [Windows Update](#).

Install SQL Server 2005 Workgroup Edition

Note

The following procedure is for a manual installation. If you are going to deploy using images, see [SQL Server 2005](#)

Procedure WEE.10: To install SQL Server 2005 Workgroup Edition

1. Log on to the server as a member of the Domain Administrators group or as server administrator.
2. Insert the SQL Server 2005 CD. Because this is a dedicated server, use the version chosen for your organization.
3. If your server supports Autorun, the CD will launch the installer and display the **Microsoft SQL Server 2005** splash screen. Click **Install Server components, tools, Books Online, and samples**. If your server does not support Autorun, browse to the **Servers** directory on the CD and run **Setup.exe**.
4. Read the End User License Agreement. Click **I accept the licensing terms and conditions** to accept the agreement, and click **Next** to continue.
5. On the **Installing Prerequisites** page, review the list of software components that will be installed prior to installing SQL Server, and then click **Install**.
6. After the required prerequisites have been installed successfully, click **Next**.
7. On the **Welcome to the Microsoft SQL Server Installation Wizard** page, click **Next**.
8. On the **System Configuration Check** page, review the configuration details for warnings or errors.

-
9. If there are any errors in the list, read the message associated with the error, and then rectify the problem. When you no longer have any errors displayed in the list, click **Next** to continue the installation.
 10. On the **Registration Information** page, enter information in the **Name and Company** text boxes, and then enter your product key if prompted to do so. Then click **Next**.
 11. On the **Components to Install** page, select **SQL Server Database Services**, and then click **Advanced**.
 12. To set the Data Files location, expand **Database Services**, click **Data Files**, click **Browse**, edit the drive letter and path as appropriate for your server, and then click **OK**. Then click **Next**.

Note

For performance reasons, you should store the SQL Server program files on a different drive than the data. For example, for the program files specify drive C, and for the data files specify drive D. You should use high performance drives; the reference architecture recommends using redundant array of independent disks (RAID).

13. On the **Instance Name** page, ensure that **Default Instance** is selected, and then click **Next**.
14. On the **Service Account** page, select **Use a Domain** user account, type **SQLService** for **User name**, the correct password for **Password**, and **fabrikam** for **Domain**.
15. Under **Start services** at the end of setup, ensure that **SQL Server** is selected, and then click **Next**.
16. On the **Authentication Mode** page, select **Mixed Mode (Windows Authentication and SQL Server Authentication)**, type a strong password for the SA logon, confirm it, and then click **Next**.
17. On the **Collation Settings** page, choose the SQL collations that meet your compatibility requirements. For this reference architecture, accept the default value of **Dictionary order, case-insensitive, for use with 1252 Character Set**. Then click **Next**.
18. On the **Error and Usage Report Settings** page, do one of the following:
 - If you want to participate in fatal error reporting to Microsoft and the feature complies with your company's security policy, select **Automatically send error reports to Microsoft**. If you do not want to participate in fatal error reporting to Microsoft, ensure that **Automatically send fatal error reports to Microsoft** is cleared.
 - If you want to send feature usage data to Microsoft, select **Automatically send Feature Usage data for SQL Server 2005 to Microsoft**. Otherwise, leave the check box cleared.
19. After configuring the **Error and Usage Reporting** settings to you preferred settings, click **Next**.
20. On the **Ready to Install** page, click **Install** to begin the installation. The installation will take several minutes to complete depending on the system configuration.
21. Monitor the progress of the installation on the **Setup Progress** page. When all of the components have been installed, click **Next**.
22. On the **Completing Microsoft SQL Server 2005 Setup** page, click **Finish** to exit the Setup program.

Install SQL Server 2005 Service Pack 2

Procedure WEE.11: To install SQL Server 2005 Service Pack 2

- To download and install SQL Server Service Pack 2, see [Microsoft SQL Server 2005 Service Pack 2](#)

If Used as a Shared Server, Enable the Auto-close Feature on Data Hosting Databases

Procedure WEE.12: To enable the Auto-close feature on data hosting databases

1. Open SQL Server Management Studio.
2. Connect to the server.
3. Select the server **SQL02**, expand **Databases**, and then expand **System Databases**.
4. Right-click **model**, and then select **Properties**.
5. In the **Database Properties - model** dialog box, select **Options**.
6. On the **Select a page** list, click **Options**.
7. In the right pane, in the **Other option** section, set the value of **Auto Close** to **True**.
8. Select **OK** to exit the dialog box.
9. Close the SQL Server Management Studio.

Note

This step is optional for dedicated servers

Add Windows SharePoint Services version 3.0 to the Dedicated Web Hosting Server

Procedure WEE.13: To install Windows SharePoint Services version 3.0 in a single-server installation

- Follow the instructions at [Install Windows SharePoint Services 3.0](#)

Add Visual Web Developer

Procedure WEE.14: To install Visual Web Developer

- To install Visual Web Developer, follow the instructions at [Microsoft Visual Web Developer 2005 Express](#)

Note

When given the choice to copy or install, choose copy.

Add ASP.NET AJAX

Procedure WEE.15: To install ASP.NET AJAX

- To install ASP.NET AJAX, follow the instructions at [ASP.NET AJAX Downloads](#)

Add Web Site Starters for Windows (Optional)

- To download these applications, follow the instructions at [Web Site Starters for Windows](#)

Install Latest Updates for Windows, Your Programs, and Your Hardware

Procedure WEE.16: To install latest software updates

- To install latest software updates, see [Windows Update](#)

FAQ on Windows Server 2003 Web Edition Enhanced

General Questions

1. What is the name of this SKU?
 - The name of the SKU is Windows Web Edition Enhanced. It will be available in the May 2007 pricelist.
2. Why does Microsoft introduce Windows Web Edition Enhanced?
 - This SKU addresses some of the pain points Microsoft partners have had with Web Edition. Microsoft has enhanced the functionality relative to Web Edition by adding Windows SharePoint Services capabilities, which is a true differentiator. Microsoft will also be delivering PHP functionality on this SKU in Q3 CY07. With these enhancements, our partners can create competitive Windows offers based on this new SKU.
3. Can this SKU be used to report for new servers as well as for existing servers?
 - This SKU can be used to report both existing servers and new servers as long as the usage follows Use Rights guidelines for this SKU.

Question on Use Rights

4. How many Terminal Servers CALs do I get with this SKU?
 - Like the Web Edition, this SKU only allows a single physical and a single virtual instance.
5. Can I use the SKU to host applications that are accessed via Terminal Server Client or Citrix?
 - No.
6. Can I use the SKU for Virtual Private Server hosting?
 - No.
7. Can I use the SKU as an Active Directory® domain controller?
 - No. If Active Directory is used in the back-end infrastructure, Windows Web Edition Enhanced can be a member of that domain/forest as long as it is a front-end server facing the Internet. It cannot be an Active Directory domain controller. An external connector is needed when Web Edition Enhanced is used to connect to any back-end server.
8. In what scenarios does the 50-user limit apply?
 - The 50-user limit only applies for business applications such as Customer Relationship Management (CRM) and Enterprise Resource Planning (ERP) that are typically used by employees within a company. The purpose of this SKU is to enable partners with unmanaged dedicated hosting offerings or managed hosting offers that target developers and small businesses to create Web sites, build applications, and host POP3 e-mail services. It is not intended for enterprise hosters or for outsourcers whose customers are enterprises.
9. How is the 50-user limit enforced?
 - Enforcement is via the honor system. There are no hard limits on this SKU for 50 users.
10. What happens if my business grows and need to add more than 50 users to my system?
 - You will need to report as Standard Unauthenticated SKU. There is no need to reinstall a new operating system. You just need to change reporting data.
11. Can I use Windows SharePoint Services on this SKU?

- If Windows SharePoint Services is used as a public-facing Web site, you can use Web Edition Enhanced. In the dedicated hosting scenario where a company or a customer is using Windows SharePoint Services to host business applications, they can use Web Edition Enhanced as long as the number of users is limited to 50. Also note that if SQL Server is running on a separate server, that instance of SQL Server must be reported as a Standard Unauthorized SKU.

12. How about Windows SharePoint Services in shared hosting scenarios?

- You cannot use Web Edition Enhanced SKU in shared hosting scenario because you will have more than 50 users. In that case, you have to continue using Windows Standard edition.

Longhorn-related Questions

13. Will Windows Web Edition Enhanced be discontinued after Longhorn becomes available?

- No. Windows Web Edition Enhanced will continue. It is the same as other SKUs of the Windows family.

14. What is the upgrade path for Windows Web Edition Enhanced?

- Windows Web Edition Enhanced can be upgraded to other Windows Server 2003 SKUs. The user cannot do an in-place upgrade from Windows Server 2003 Web Edition Enhanced to Longhorn Web Edition. That is, in order to upgrade to Longhorn Web Edition, they need to back up their application, reinstall the new operating system and the applications, and then restore their data from the backup.

15. Should hosting partners reinstall the current servers installed with Windows Web Edition in order to use Windows Web Edition Enhanced?

- Yes. The server currently installed with Windows Web Edition needs to be reinstalled to experience enhanced functionality of Windows Web Edition Enhanced. Fulfillment media for Windows Web Edition Enhanced will be provided.

16. How can partners order the media SKU for Windows Web Edition Enhanced installation?

- The media SKU will be available starting with the June 1, 2007 pricelist. Before then, please tell partners to order the following SKUs directly from fulfillment center.

Windows Svr Web 2003 w/SP2 32/x64 ENG Disk Kit MVL China Only CD Enhance	English	P70-00304
Windows Svr Web 2003 w/SP2 32-bit/x64 English Disk Kit MVL CD Enhanced	English	P70-00305
Windows Svr Web 2003 w/SP2 32-bit/x64 Eng/Multi Disk Kit MVL China Only	English/ MultiLanguage	P70-00306
Windows Svr Web 2003 w/SP2 32-bit/x64 Eng/Multi Disk Kit MVL CD Enhanced	English /MultiLanguage	P70-00307

Sample Offers

For complete HTML versions of the offers that follow, see the attached Contoso.zip file.

Developer Offer

[MY ACCOUNT](#) | [MY CART](#) | [FORUMS](#) | [CONTACT](#)



Microsoft® Windows®-based Hosting:
Your Success Is Our Passion

Solutions: [Developer](#) [Designer](#) [SharePoint](#)



Developers: Extend Your Reach

With CONTOSO's Windows®-based hosting solutions, developers finally have the technology and resources they need — all in one place — to ensure success. Now you can quickly and easily build interactive, data-driven Web applications, while at the same time, lower development costs, improve performance and accelerate your business.

Create More Dynamic Web Applications with ASP.NET

Microsoft ASP.NET is a **free** programming framework that can be used on a server to build powerful Web applications. Easily customized, ASP.NET encapsulates common Web tasks into application services and provides a comprehensive suite of controls that significantly reduce the amount of code and concepts necessary to build common scenarios on the Web. ASP.NET is built to perform using a compiled execution model and has full access to the powerful capabilities of the .NET Framework — ideal for anything from small, personal websites through to large, enterprise-class Web applications.

Achieve More with Microsoft Technologies:

Unprecedented developer productivity > Create compelling sites in record time
Easier programming model > Less code than other technologies
Great tools support > Visual Studio Family of Products and Expression Web
Built upon standards > XHTML-compliant and accessibility support
Improved Security > Built-in protection from Hackers
Improved performance > Smart caching support
Easy to build portal applications > Personalized applications for your end-users
Improve consistency across your site > Easier to maintain

Check out AJAX

AJAX is a **free framework** for quickly creating a new generation of more efficient, more interactive and highly-personalized Web experiences that work across all the most popular browsers. With ASP.NET AJAX, you can:

- Create next-generation interfaces with reusable AJAX components.
- Enhance existing Web pages using powerful AJAX controls with support for all modern browsers.
- Continue using Visual Studio 2005 to take your ASP.NET 2.0 sites to the next level.
- Access remote services and data directly from the browser without writing a ton of complicated script.
- Enjoy the benefits of a free framework with technical [support](#) provided by Microsoft.

[Download ASP.NET AJAX v1.0](#)

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Support: 1.800.123.5678

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**Microsoft® Windows®-based Hosting:**
Your Success is Our Passion



Solutions: [Developer](#) [Designer](#) [SharePoint](#)

Designer: Upgrade Your Potential

With CONTOSO's Windows®-based hosting solutions and Microsoft® Expression®, you can take your create possibilities to the next level. That's because now you have the flexibility and freedom to bring your vision to reality by leveraging better designer tools for better end-user experiences.

Discover New Opportunities

Whether you develop standards based applications for the Web, rich media applications that run in the browser, or have a desire to extend your customers' reach with next-generation technology on the desktop and in digital devices, Microsoft is creating a new paradigm for creating compelling digital experiences.

Microsoft® Expression® tools enable you to develop faster and richer interfaces for your Windows®-based or Web-based applications. Better still, you can reduce the complexity and ease data integration by using powerful design tools and task panes to quickly incorporate XML data. You can also seamlessly integrate Web design and development teams with Expression Web and Visual Studio's superior support for XML, ASP.NET and XHTML.

With Expression's powerful tool set, you can unleash your creative ideas and bring your Web sites to life with sophisticated CSS design features. Visual designers, specialized task panes, and tool bars give you precise control of page layout and formatting.

Build dynamic, interactive pages that harness the power of the Web to deliver superior quality has never been easier. Built-in support for today's modern Web standards makes it easy to optimize your sites for accessibility and cross-browser compatibility.

[Download Microsoft Expression](#)

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Quick Start Guide

- [Creating a Standards-Based Website](#)

Starter Kits

- [Portfolio Starter Kit](#)
- [Partner Portal Starter Kit](#)

Training Videos

- [Standards-based Web Sites](#)
- [Sophisticated CSS-based Layout and formatting](#)

Virtual Labs

- [Express: Expression Web](#)
- [Expression Web and ASP.NET 2.0 Controls](#)
- [Expression Web: Creating a Standards-Based Web Site](#)
- [Expression Web: Designing Pages with CSS](#)

Webcasts

Community

Discussions

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**Microsoft® Windows®-based Hosting:**
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Solutions: [Developer](#) [Designer](#) [SharePoint](#)

SharePoint: Think Teamwork

Built on Microsoft® Windows® Server, Windows SharePoint® Services provides a platform for building Web-based business applications that can flex and scale easily to meet the changing and growing needs of your business.

Solve your customers business needs.

Newly-developed Application Templates for Microsoft® Windows® SharePoint Services 3.0 provide pre-built solutions for common business processes or sets of tasks, such as managing a help desk or tracking multiple projects. Application templates can be deployed as-is or customized to meet unique business needs. Sample scenarios covered by the application templates include Help Desk, Inventory Tracking, Business Performance Reporting, Knowledge Base, and Competitive Analysis.

While application templates can be used to solve particular business needs, they also provide a starting point for partners and developers looking to build deeper SharePoint-based solutions. The templates make use of Windows SharePoint Services 3.0 capabilities and are compatible with Microsoft Office SharePoint Designer 2007 to help make customization easier. Microsoft Office SharePoint Designer 2007 provides professional tools for quickly and easily creating and customizing SharePoint sites and building reporting tools and workflow-enabled applications tailored to specific tasks, all based on SharePoint technologies and without having to write code.

Design SharePoint workflows and applications without having to use traditional procedural coding languages or techniques.

Windows SharePoint Services is a powerful platform for development and execution of business workflows. The SharePoint applications provide a starting point for developers that are looking to build deeper solutions for their customers. If you want to build richer web sites and develop prototypes of your custom applications based on SharePoint V3 Application Templates, stage test sites in live environment and then easily move into production, this SharePoint based solution will provide you with the right technologies and functions:

- Rapid prototyping of custom applications
- Custom workflow applications based on Windows Workflow Foundation
- Full FTP access
- Microsoft® SQL Server-based storage
- Collaboration
- Extended object that now includes admin extensibility
- Enhanced web services
- ASP.NET Web Parts
- Multiple content types
- Visual Studio 2005 tools support with Extensions for SharePoint V3 and Workflow Designer
- SharePoint Designer for customizing of sites

[Download SharePoint Designer 2007](#)

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SHAREPOINT RESOURCES

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Connect people, process and information with SharePoint products and technologies.

Main Websites

WSS on MSDN

Evaluation Content

- Overview Windows SharePoint Services version comparison
- Windows SharePoint Services datasheet
- Windows SharePoint Services quick reference guide
- Windows SharePoint Services 3.0 Technology GuideWhite Papers

White Papers/Articles

- Using blogs and wikis in business
- Understanding workflow in Windows SharePoint
- Services and the 2007 Microsoft Office system
- Working together in the new world of work

Trials and Labs

- WSS in Office Test Drive
- Virtual Labs
- Elearning: Developer

SharePoint Community

- SharePoint Products and Technologies Community Home
- Microsoft SharePoint Products and Technologies Team Blog
- SharePoint Community Portal
- SharePoint Newsgroups
- SharePoint Forums

Microsoft Windows Server 2003 Web Edition Enhanced Use Rights

- You may use the software only on a front-end Web server to deploy Internet-accessible Web pages, sites, applications and services, and to serve POP3 mail.
- You may run instances of the server software with the following types of software in the same physical or virtual operating system environment on the licensed server:
 - Web serving software, such as Microsoft Internet Information Services
 - Management software or security agents, such as Microsoft Operations Manager Agent
 - Database engine software solely to support applications running in that same operating system environment
 - Business applications such as Customer Relationship Management (CRM), Enterprise Resource Planning (ERP), or internal collaboration and portal software, provided the total number of users of the application at any one time is less than 50
 - Internet-facing portal and collaboration applications with no limitation on the number of users at any one time

Microsoft Windows Server 2003 Web Edition Enhanced Data Sheet

To get further information on the Microsoft Windows Server 2003 Web Edition Enhanced, see the [Microsoft Windows Server 2003 Web Edition Enhanced](#)

Additional Resources

- [SQL Server 2005 Product Guide](#)
- The following links directly to a PDF document: [Download the Datasheet for SQL Server 2005 Workgroup Edition](#)
- For SQL Server 2005 Web tools and other downloads, see [Downloads for SQL Server 2005](#)