Install IIS 7.5 on Windows Server 2008 R2

Click Start > All Programs > Administrative Tools > Server Manager.

1. Click Start > All Programs > Administrative Tools > Server Manager.



Figure 2: Server Manager

- In the Server Manager window, scroll down to Roles Summary, and then click Add Roles. The Add Roles Wizard will start with a Before You Begin page. The wizard asks for verification of the following:
 - \circ $\;$ The administrator account has a strong password.
 - $_{\odot}$ $\,$ The network settings, such as IP addresses, are configured.
 - The latest security updates from Windows® Update are installed.
- 3. Select **Web Server (IIS)** on the **Select Server Roles** page. An introductory page will open with links for further information.

Note

When you use the **Add Roles Wizard to install** IIS, you get the default installation, which has a minimum set of role services. If you need additional IIS role services, such as **Application Development** or **Health and Diagnostics**, make sure to select the check boxes associated with those features in the **Select Role Services** page of the wizard.



Figure 3: Select Server Roles

4. Select the IIS services to be installed on the **Select Role Services** page. Add only the modules necessary. In this case, ASP.NET is selected, and a description of ASP.NET appears in the right pane. Once desired modules are added, click **Next**.

| Before You Begin Server Roles | Select the role services to install for Web Server (IIS): Role services: | Description: |
|----------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Web Services Role Services Confirmation Progress Results | Web Server Web Server Subscript Static Content Static Cont | ACP.ART provides a server side object oriented programming environment for building Web stes and Web applications using managed code. ASP.ART is not simply a new version of ASP. Having been enkinely re- anchitected to provide a highly productive programming experience based on the .ART Framework, ASP.ART provides a robust infrastructure for building web applications. |

Figure 4: Select Role Services

5. Add any required role services.

| | Add role services required for ASP.NET? You cannot install ASP.NET unless the required role services are also installed. | | |
|--|-----------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------|--|
| | Role Services: Web Server [IIS] Web Server Application Development ISAPI Extensions ISAPI Filters .NET Extensibility | Description: <u>Web Server [IIS]</u> provides a reliable, manageable, and scalable Web application infrastructure. | |
| | | Add Required Role Services Cancel | |

Figure 5: Wizard warning page

6. IIS is now installed with a default configuration for hosting ASP.NET on Windows Server. Click **Close** to complete the process.



Figure 6: Installation Results page

7. Confirm that the Web server works by using http://localhost.



Figure 7: Default Web site

Note

Install only the absolutely necessary IIS services to minimize the IIS installation footprint. This also minimizes the attack surface, which is one of the benefits of IIS 7 and above.

Use a Script to Install IIS 7.5 on Windows Server 2008 R2

You can also use a script to install IIS 7.5. Note that if you use this script, you get the full IIS installation, which installs all available feature packages. If there are feature packages you do not need, you should edit the script to install only the packages you require. For more information, see <u>Installing IIS 7.5 on Windows Server 2008 R2</u>.

To install IIS 7.5 with a script, type the following at a command prompt:

ConsoleCopy

CMD /C START /w PKGMGR.EXE /l:log.etw /iu:IIS-WebServerRole;IIS-WebServer;IIS-CommonHttpFeatures;IIS-StaticContent;IIS-DefaultDocument;IIS-DirectoryBrowsing;IIS-HttpErrors;IIS-HttpRedirect;IIS-ApplicationDevelopment;IIS-ASP;IIS-CGI;IIS-ISAPIExtensions;IIS-ISAPIFilter;IIS-ServerSideIncludes;IIS-HealthAndDiagnostics;IIS-HttpLogging;IIS-LoggingLibraries;IIS-RequestMonitor;IIS-HttpTracing;IIS-CustomLogging;IIS-ODBCLogging;IIS-Security;IIS-BasicAuthentication;IIS-WindowsAuthentication;IIS-DigestAuthentication;IIS-ClientCertificateMappingAuthentication;IIS-IISCertificateMappingAuthentication;IIS-URLAuthorization;IIS-RequestFiltering;IIS-IPSecurity;IIS-Performance;IIS-HttpCompressionStatic;IIS-HttpCompressionDynamic;IIS-WebServerManagementTools;IIS-ManagementScriptingTools;IIS-IIS6ManagementCompatibility;IIS-Metabase;IIS-FTPServer;IIS-FTPSvc;IIS-FTPExtensibility;IIS-WebDAV;IIS-ASPNET;IIS-NetFxExtensibility;WAS-NetFxEnvironment;WAS-ConfigurationAPI;IIS-ManagementService;MicrosoftWindowsPowerShell

Unattended Installation of IIS 7.0 on Windows Server 2008

Automating the installation of IIS by using unattended scripts is very useful if you need to deploy multiple Web servers and want to ensure that each of the Web servers is set up with identical components and services.

In the Windows Server 2008 and Windows Vista operating systems, Pkgmgr.exe is used for unattended scripts, letting you install or uninstall optional features from a command prompt or scripts. (Note: Pkgmgr.exe replaces Sysocmgr.exe which was used in Windows Server® 2003.) For instructions and an overview of Pkgmgr.exe, see <u>Installing IIS 7.0 and Above from the Command Line</u>. See also <u>Unattended Setup to Install IIS 7.0 and Above</u>. Note that to use Pkgmgr.exe, you must make sure you have administrative user rights on the computer.

Install IIS 7.0 on Windows Server 2008

 To start Server Manager, click Start Menu > All Programs > Administrative Tools > Server Manager. The Server Manager window opens.



Figure 8: Server Manager

2. In the Server Manager window, select Roles. The Role Summary View is displayed.

| Server Manager | | |
|-------------------------------|-----------------------------------------------|-------------------------------------------------|
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| Server Manager (LH-53SGPP0LH5 | Roles | |
| Roles | | 1 |
| E Diagnostics | View the health of the roles installed on you | in center and add or remove miles and features. |
| Configuration | | |
| (e) Storage | Roles Summary |] |
| | | |
| | Roles: 0 of 17 installed | Add Roles |
| | | Remove Roles |
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Figure 9: Start Add Roles Wizard

3. Click Add Roles. The Add Roles Wizard opens. Click Next to select roles to install.



Figure 10: Add Roles Wizard Introduction

4. Select Web Server (IIS).



Figure 11: Select Web Server (IIS) in Add Roles Wizard

5. The Add Roles Wizard notifies you of any required dependencies; since IIS depends on the Windows Process Activation Service (WAS) feature, the following informational dialog box appears. Click **Add Required Role Services** to continue.

| Add role services required for ASP.NET? You cannot install ASP.NET unless the following role services are also installed: |
|---------------------------------------------------------------------------------------------------------------------------------|
| Web Server (IIS) |
| Add Required Bole Services Cancel |

Figure 12: Add Dependencies

6. The Web Server is now selected for install. The Select Server Roles dialog box opens. Click **Next** to continue.



Figure 13: Selected Web Server (IIS)

7. The following dialog box and information appears. Click **Next** to continue.



Figure 14: Introduction to Web Server dialog box

8. The Add Roles Wizard displays a list of all IIS 7.0 features available to install as shown below. Note that features comprising the default install are pre-selected.



Figure 15: Web Server Features Listed

- 9. To install just the IIS 7.0 default features, click the **Install** button, and then proceed to Step 14. If you need to install additional features, proceed to step 10.
- 10. For this example, we install additional IIS features. Select the check box for ASP.NET. The Wizard warns if adding an IIS feature will also cause other features to be installed.



Figure 16: Dependency Information

- 11. Click Add Required Role Services to continue.
- 12. Continue selecting additional IIS Role Services features to install.



Figure 17: Add Features For Web Server

- 13. When you have selected all the features you require, click **Next** to continue.
- 14. The Wizard provides a summary of what will be installed.



Figure 18: Summary of Features

15. Click **Install** to continue. The Installation Progress dialog box opens.

| Add Roles Wizard | |
|---------------------------------|----------------------------------------------------------------------|
| Installation Prog | ress |
| Before You Begin | The following roles, role services, or features are being installed: |
| Select Server Roles | Web Server (IIS) |
| Web Server (IIS) | Windows Process Activation Service |
| Role Services | |
| Confirm Installation Selections | |
| Installation Progress | |
| Installation Results | |
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| | Installing Web Server (IIS) |
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Figure 19: Install Progress

16. When the IIS 7.0 installation is complete, the following dialog box opens. Click **Close** to return to the Server Manager.



Figure 20: Installation Summary

17. You can now perform a quick check to verify that IIS 7.0 is installed. Start the **Windows® Internet Explorer**® Web browser, and enter the address http://localhost. You should see the default IIS "Welcome" page.

9. After installation you should see the **Installation Results** page. Click **Close** to finish the process.

| Add Roles Wizard | | × |
|------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|-------|
| Installation Res | ults | |
| Before You Begin Server Roles Web Server (IIS) | The following roles, role services, or features were installed successfully: • Web Server (IIS) ✓ Installation succeeded | - |
| Role Services Confirmation Progress | The following role services were installed: Web Server Common HTTP Features Static Content | - |
| Results | Default Document HTTP Errors HTTP Redirection Health and Diagnostics HTTP Logging | |
| | Request Filtering Management Tools IIS Management Console | |
| | | |
| | Print, e-mail, or save the installation report | J. |
| Nstart 🗎 🖿 🖉 🗐 🗉 c | < <p>< Previous Next > Close Cancel Close Cancel Internet Information Sec.</p> | 20 AM |

10. In the Server Manager window, under Roles Summary, you should now see Web Server (IIS)

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| Server Manager (WIN-KUTVW4DGC | Server Manager (WIN-KUTVW4DG0Y0) | | | |
| Des Roles Des Roles | Get an overview of the status of this se roles and features. | erver, perform top management tasks, and add or remove server | | |
| _ | Server Summary | Server Summary Help | | |
| | | 🔛 Change System Properties | | |
| | Security Information | Go to Windows Firewall | | |
| | Roles Summary | Roles Summary Help | | |
| | Roles: 1 of 16 installed | Dig Go to Roles | | |
| | Web Server (IIS) | Add Roles | | |
| | Features Summary | Features Summary Help | | |
| | Features: 2 of 34 installed | add Features | | |
| | Remote Server Administration Tools | Remove Features | | |
| • • • | Last Refresh: 3/8/2008 3:17:55 AM Configure r | efresh | | |
| | | | | |
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11. Let's go ahead and open IIS Manager by going to Start -> Administrative Tools -> Internet Information Services (IIS) Manager



12. Once IIS Manager opens, expand out the web server and then expand the Sites folder. Right click on sites and then click on Add Web Site

| Manager | _ @ × |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------|
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| File View Help | |
| Connections Start Page WIN-KUTVW4DG0Y0 (WIN-KUT) Group by: No Grouping Application Pools Add Web Site Cather of the shift Switch to Content View Handler HTTP Redirect Handler HTTP Redirect Caching Certificates Shared Shared Configuration Processes | Actions Hanage Server Restart Start Stop View Application Pools View Sites Help Online Help |
| Ready | •] |
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13. In the Add Web Site window we have some basic information to fill out for a static site:

- Site Name Name of the site, this will be either domain.com or *.domain.com (Where * would represent a sub domain name such as www or blog for example)
- **Physical Path** The location on the local server that will hold the files for the website. If you did not set this up beforehand you can create a folder through this interface
- **Type** choose either http or https depending on whether your site will use Secure Socket Layer (SSL) certificate or not
- **IP Address** From the dropdown you can specify what IP the website should answer on or use the default switch of *All Unassigned*
- Host Name If you would like this site to respond to other domain names you can put these here

| WIDE NAUTIVE VECODO File Vew Help Connections Site name: Application pool: Physical path: Start Page VIDE NOLVED Site Start | ¥ Internet Information Service | s (IIS) Manager | | _ 8 × |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------|----------------------------------------------------------------------------------------------------------|
| File View Help Connections Site name: Application pool: Start Page Site name: Application pool: Start Page Content Directory Restart Application Pools Sites Sites Sites Connect as Test Settings Wew Application Pools Wew Xets Binding Yvew Application Pools Type: IP address: Port: Intrp IP 2168.11.12 B0 Host name: www.contoso.com or marketing.contoso.com Wei Start Wrww.test.com/ Example: www.contoso.com or marketing.contoso.com Content View Ready Ready Content View | 🚱 🔊 📲 > WIN-KUTVW | iDG0Y0 🕨 | | 🖬 🖂 🔂 I 🕢 🔹 |
| Connections Add Web Site Image Server Site name: Application pool: Hanage Server Eest.com Eest.com Select Pass-through authentication Connect as Test Settings Binding Type: Paddress: Port: http 192.168.11.12 80 Help Online Help Orline Help | File View Help | | | - |
| Site name: Application pool: Vest.com Select Start Page Content Directory Physical path: Cintent Directory Physical path: Cintent Directory Physical path: Cintent Directory Physical path: Cintent Directory Physical path: Cintent Directory Physical path: Cintent Directory Physical path: Cintent Directory Physical path: Cintent Directory Physical path: Cintent Directory Physical path: Cintent Directory Physical path: Cintent Directory Physical path: Cintent Directory Physical path: Cintent Directory Physical path: Cintent Directory Physical path: Cintent Directory Pass-through authentication Connect as Test Settings Help Directory Ig2:168.11.12 Host name: Ig2:168.11.12 Into Ig2:168.11.12 S0 Example: www.contoso.com Fastrew Content View Ready | Connections | Add Web Site | ? | ions |
| Ready | Start Page WIN-KUTWW-DG0Y0 (WIN- Application Pools Sites E Default Web Site | Site name: Application test.com test.com Content Directory Physical path: C:\inetpub\test Pass-through authentication Connect as Test Settings Binding Type: IP address: http IP2.168.11.12 Host name: www.test.com Example: www.contoso.com or marketing. Start Web site immediately Features View Content View | Port: BO Contoso.com | Hanage Server Restart Start Stop View Application Pools View Sites Help Online Help |
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You have now installed IIS 7 and configured a static website. Just place your html files in the directory you specified when creating the site and you are good to go.

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