



# Getting started with Microsoft SharePoint Foundation 2010

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## Abstract

The content in the book covers information about how to get started with the installation, configuration, and upgrade to Microsoft SharePoint Foundation 2010.

The content in this book is a copy of selected content in the [SharePoint Foundation 2010 technical library](http://go.microsoft.com/fwlink/?LinkId=181463) (<http://go.microsoft.com/fwlink/?LinkId=181463>) as of the publication date. For the most current content, see the technical library on the Web.

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## Contents

Getting help .....	iv
Introduction to Getting Started for SharePoint Foundation 2010 .....	1
What's new in SharePoint Foundation 2010 .....	2
Changes from Windows SharePoint Services 3.0 to SharePoint Foundation 2010 ....	3
Deprecated features.....	3
Features removed from SharePoint Foundation 2010.....	3
Hardware and software requirements (SharePoint Foundation 2010).....	7
Overview .....	7
Hardware requirements—Web servers, application servers, and single server installations .....	7
Hardware requirements—Database servers .....	8
Software requirements .....	9
Access to applicable software.....	14
Plan browser support (SharePoint Foundation 2010) .....	18
About planning browser support .....	18
Key planning phase of browser support.....	18
ActiveX controls .....	34
Deploy a single server with SQL Server (SharePoint Foundation 2010) .....	35
Overview .....	35
Before you begin .....	36
Install SharePoint Foundation 2010.....	36
Post-installation steps .....	43
Deploy a single server with a built-in database (SharePoint Foundation 2010) .....	45
Overview .....	45
Before you begin .....	46
Install SharePoint Foundation 2010.....	46
Post-installation steps .....	49
Configure Windows Server Backup .....	51
Roadmap to SharePoint Foundation 2010 content .....	52

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## Getting help

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Every effort has been made to ensure the accuracy of this book. This content is also available online in the Office System TechNet Library, so if you run into problems you can check for updates at:

*<http://technet.microsoft.com/office>*

If you do not find your answer in our online content, you can send an e-mail message to the Microsoft Office System and Servers content team at:

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*<http://support.microsoft.com>*

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# Introduction to Getting Started for SharePoint Foundation 2010

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Microsoft SharePoint Foundation 2010 is a versatile technology that organizations and business units of all sizes can use to increase the efficiency of business processes and improve team productivity. SharePoint Foundation 2010 gives people access to information they need by using tools for collaboration that help people stay connected across organizational and geographic boundaries.

This Getting Started guide for SharePoint Foundation 2010 covers what's new in SharePoint Foundation 2010, and includes some end-to-end deployment scenarios to get you started quickly with an evaluation environment for SharePoint Foundation 2010. The following list describes each topic in this guide.

- "What's new in SharePoint Foundation 2010" provides a list of links to content that will introduce you to the new capabilities and features in SharePoint Foundation 2010.
- "Changes from Windows SharePoint Services 3.0 to SharePoint Foundation 2010" describes the features that have been deprecated or removed from Windows SharePoint Services 3.0 to SharePoint Foundation 2010.
- "Hardware and software requirements (SharePoint Foundation 2010)" describes the minimum and recommended hardware and software that are required to run SharePoint Foundation 2010.
- "Plan browser support (SharePoint Foundation 2010)" describes the functionality available — and level of support — for SharePoint Foundation 2010 features that you can expect when you are using several common Web browsers.
- "Deploy a single server with SQL Server (SharePoint Foundation 2010)" provides end-to-end installation instructions for setting up SharePoint Foundation 2010 on a single server farm. This installation scenario is ideal for evaluating SharePoint Foundation 2010 functionality or for hosting a very small installation of SharePoint Foundation 2010. It is also useful if you want to configure a farm to meet your needs first, and then add servers to the farm later.
- "Deploy a single server with a built-in database (SharePoint Foundation 2010)" provides end-to-end instructions for installing SharePoint Foundation 2010 on a single server with a built-in database. This configuration is useful if you want to evaluate SharePoint Foundation 2010 features and capabilities, such as collaboration, document management, and search. This configuration is also useful if you are deploying only a few Web sites and you want to minimize administrative overhead.
- "Roadmap to SharePoint Foundation 2010 content" summarizes the content and resources that are available on the Microsoft.com Web site that can help you understand and use SharePoint Foundation 2010 as you go beyond the basics that are presented in this guide.

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# What's new in SharePoint Foundation 2010

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Microsoft SharePoint Foundation 2010 is the essential solution for organizations that need a secure, manageable, Web-based collaboration platform. It helps teams stay connected and productive by providing easy access to the people, documents, and information that they need to make well-informed decisions and get work done.

To see what's new in SharePoint Foundation 2010, review the following:

- [What's New in Microsoft SharePoint Foundation 2010](http://go.microsoft.com/fwlink/?LinkId=188355)  
(<http://go.microsoft.com/fwlink/?LinkId=188355>) The TechNet Resource Center page points to articles and other resources to introduce you to new features such as Windows PowerShell, the new command-line interface and scripting language; health monitoring, an integrated health analysis tool (SharePoint Maintenance Manager) that enables SharePoint to automatically check for potential configuration, performance, and usage problems; and sandboxed solutions, a restricted execution environment that enables programs to access only certain resources and keep problems that occur in the sandbox from affecting the rest of the server environment.
- [SharePoint Foundation 2010 home page](http://go.microsoft.com/fwlink/?LinkId=188906)  
(<http://go.microsoft.com/fwlink/?LinkId=188906>) This site gives an overview of SharePoint Foundation 2010 and includes videos that demonstrate key features that can improve productivity, provide flexible deployment, and create a scalable, unified infrastructure.

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# Changes from Windows SharePoint Services 3.0 to SharePoint Foundation 2010

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Published: May 12, 2010

This article describes the features that have been deprecated or removed from Windows SharePoint Services 3.0 to Microsoft SharePoint Foundation 2010. Deprecated features are provided in SharePoint Foundation 2010 for compatibility with previous product versions. These features will be removed in subsequent versions.

In this article:

- Deprecated features
- Features removed from SharePoint Foundation 2010

## Deprecated features

The following feature is shipped with SharePoint Foundation 2010 but will be removed from subsequent versions.

### **Stsadm command-line tool**

**Description:** The Stsadm command-line tool has been deprecated.

**Reason for change:** The Stsadm command-line tool will be superseded by Windows PowerShell 2.0.

**Migration path:** The Stsadm command-line tool is included to support compatibility with previous product versions. You should use Windows PowerShell 2.0 when performing command-line administrative tasks.

## Features removed from SharePoint Foundation 2010

The following features and functionality are no longer available in SharePoint Foundation 2010.

### **32-bit operating systems**

**Description:** SharePoint Foundation 2010 requires a 64-bit operating system. Running SharePoint Foundation 2010 on 32-bit operating systems is no longer supported.

**Reason for change:** SharePoint Foundation 2010 has numerous features that benefit from the performance provided by 64-bit operating systems.

**Migration path:** Install SharePoint Foundation 2010 on 64-bit operating systems.

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## Side-by-side installation

**Description:** The ability to perform side-by-side installation of Windows SharePoint Services 3.0 and SharePoint Foundation 2010 on the same server is being removed. This change is related to the removal of support for [Gradual upgrade](#).

**Reason for change:** Compatibility and performance issues prevent side-by-side installation.

**Migration path:** Perform upgrade-in-place installation on the same hardware, or perform database attach to a new farm. Use new hardware if both Windows SharePoint Services 3.0 and SharePoint Foundation 2010 versions of a farm must exist at the same time.

For more information, see [Perform a database attach upgrade to SharePoint Foundation 2010](#) ([http://technet.microsoft.com/library/caaf9332-63bc-46b6-997f-edbfe8a84ad1\(Office.14\).aspx](http://technet.microsoft.com/library/caaf9332-63bc-46b6-997f-edbfe8a84ad1(Office.14).aspx)).

## Gradual upgrade

**Description:** Support for the gradual upgrade feature is being removed as part of the removal of [Side-by-side installation](#).

**Reason for change:** Compatibility and performance issues prevent side-by-side installation.

**Migration path:** Use the read-only database capability of Windows SharePoint Services 3.0 with the database attach upgrade capability of SharePoint Foundation 2010 to minimize downtime.

For more information, see [Perform a database attach upgrade to SharePoint Foundation 2010](#) ([http://technet.microsoft.com/library/caaf9332-63bc-46b6-997f-edbfe8a84ad1\(Office.14\).aspx](http://technet.microsoft.com/library/caaf9332-63bc-46b6-997f-edbfe8a84ad1(Office.14).aspx)).

For long upgrade periods where you must maintain both Windows SharePoint Services 3.0 and SharePoint Foundation 2010 versions of a farm, you can use the alternate access mapping (AAM) URL redirection capability provided in SharePoint Foundation 2010. Upgrades that use AAM URL redirection are performed by using database attach upgrade command-line operations instead of timer job-based events that are scheduled from the user interface (UI).

For more information, see [Using AAM URL redirection as part of the upgrade process \(SharePoint Foundation 2010\)](#) ([http://technet.microsoft.com/library/f63d606b-e8bf-4b0c-986a-39382da76781\(Office.14\).aspx](http://technet.microsoft.com/library/f63d606b-e8bf-4b0c-986a-39382da76781(Office.14).aspx)).

## Web discussions

**Description:** Web discussions enable users to add comments about documents and pages without modifying their actual content. SharePoint Foundation 2010 does not support Web discussions.

**Reason for change:** This feature was deprecated in Windows SharePoint Services 3.0 because of its low adoption rate. The feature has now been removed from the product.

**Migration path:** This functionality is no longer available.

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## SQL Server 2000 data sources

**Description:** SQL Server 2000 data sources are no longer supported in SharePoint Foundation 2010.

**Reason for change:** SQL Server 2000 does not fully support many of the newer data features available in SharePoint Foundation 2010.

**Migration path:** Use data sources that are on Microsoft SQL Server 2005 or Microsoft SQL Server 2008.

## ODBC data sources

**Description:** ODBC data sources are no longer supported in SharePoint Foundation 2010.

**Reason for change:** Newer and more versatile database connection options have replaced the functionality of ODBC.

**Migration path:** ODBC is no longer listed as an option for connecting to a data source. Use another data connection type.

## Version 3 themes

**Description:** A theme is a set of colors, fonts, and decorative elements that enable you to quickly change the appearance of a site. The functionality provided in the version 3 themes is not available in the newly designed version 4 themes.

**Reason for change:** Version 4 themes are redesigned to simplify the process of generating themes. The new architecture is not compatible with the architecture of version 3 themes.

**Migration path:** Version 3 themes are still supported if the UI mode is kept at version 3. Version 3 themes are not supported in version 4 UI mode.

## Web bot software agents

**Description:** A Web bot software agent is a dynamic object on a Web page that is evaluated when the page is saved or, in some cases, when the page is opened in a Web browser. Search crawlers and indexers are examples of Web bots. Developers can no longer use Web bot entry points and users cannot add Web bots to SharePoint Foundation 2010 sites.

**Reason for change:** This functionality is replaced by Web Parts.

**Migration path:** Use Web Parts instead of Web bots.

## E-mail enabled groups and Microsoft SharePoint Directory Management service (DMS)

**Description:** The Microsoft SharePoint Directory Management service (DMS) connects SharePoint sites to an organization's user directory to provide enhanced e-mail features. If a SharePoint farm is using DMS, users cannot enable SharePoint groups to use e-mail.

**Reason for change:** The type of authentication used in DMS is being replaced with claims authentication.

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**Migration path:** This feature is not available in SharePoint Foundation 2010. Use claims authentication instead.

For more information, see [Plan authentication methods \(SharePoint Foundation 2010\)](http://technet.microsoft.com/library/b6bc8fec-c11c-4ed7-a78d-3ad61c7ef6c0(Office.14).aspx) ([http://technet.microsoft.com/library/b6bc8fec-c11c-4ed7-a78d-3ad61c7ef6c0\(Office.14\).aspx](http://technet.microsoft.com/library/b6bc8fec-c11c-4ed7-a78d-3ad61c7ef6c0(Office.14).aspx)).

## Permissions for sub-webs

**Description:** When you assign a permission level to a parent site, that permission level is inherited by all sub-webs of the parent site by default. In Windows SharePoint Services 3.0, if you wanted a sub-web to have different permissions from its parent, you could edit the inherited permission level definition at the sub-web scope. The result was that you would have two permission levels with the same name but different permissions, depending on their scope. For example, suppose you assigned the Design permission level to a parent site, but you want to change the permissions on a sub-web so that users will not be able to apply style sheets to pages in that sub-web. In Windows SharePoint Services 3.0, you could edit the Design permission level on the sub-web itself, remove the Apply Style Sheets permission, and save the permission level as Design. It would not be possible, just by looking at permission levels, to determine that the sub-web actually had a different set of permissions than its parent site.

**Migration path:** In SharePoint Foundation 2010, if you want to give different permissions to a sub-web, you must assign a separate permission level to the sub-web. Site collections that are upgraded from Windows SharePoint Services 3.0 and have these unique permission level structures will continue to work. However, the user interface in SharePoint Foundation 2010 does not have a way to edit an inherited permission level at the sub-web scope, so you cannot change them or create new permission level definitions of this type. If you have a specific business need for continuing to use the Windows SharePoint Services 3.0 process, use the SharePoint Foundation 2010 object model.

## Internationalized domain names

**Description:** Although Windows SharePoint Services 3.0 supported internationalized domain names (IDNs), SharePoint Foundation 2010 does not.

**Reason for change:** Support of internationalized domain names (IDNs) has been deprecated.

**Migration path:** If you currently use IDNs with Windows SharePoint Services 3.0 and you plan to upgrade or migrate to SharePoint Foundation 2010, you must stop using IDNs, delete all IDN settings, and then set up an environment that does not use IDN before doing so.

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# Hardware and software requirements (SharePoint Foundation 2010)

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Updated: March 31, 2011

This article lists the minimum hardware and software requirements to install and run Microsoft SharePoint Foundation 2010.

## Important:

If you contact Microsoft technical support about a production system that does not meet the minimum hardware specifications described in this document, support will be limited until the system is upgraded to the minimum requirements.

In this article:

- [Overview](#)
- [Hardware requirements—Web servers, application servers, and single server installations](#)
- [Hardware requirements—Database servers](#)
- [Software requirements](#)
- [Access to applicable software](#)

## Overview

Microsoft SharePoint Foundation 2010 provides for a number of installation scenarios. Currently, these installations include single server with built-in database installations and single-server or multiple-server farm installations.

## Hardware requirements—Web servers, application servers, and single server installations

The requirements in the following table apply both to installations on a single server with a built-in database and to servers running SharePoint Foundation 2010 in a multiple server farm installation.

Component	Minimum requirement
Processor	64-bit, four cores

Component	Minimum requirement
RAM	<ul style="list-style-type: none"> <li>4 GB for developer or evaluation use</li> <li>8 GB for production use in a single server or multiple server farm</li> </ul>
Hard disk	<p>80 GB for system drive</p> <p>You must have sufficient space for the base installation and sufficient space for diagnostics such as logging, debugging, creating memory dumps, and so on. For production use, you also need additional free disk space for day-to-day operations. Maintain twice as much free space as you have RAM for production environments. For more information, see <a href="http://technet.microsoft.com/library/031b0634-bf99-4c23-8ebf-9d58b6a8e6ce(Office.14).aspx">Capacity management and sizing for SharePoint Server 2010</a> (<a href="http://technet.microsoft.com/library/031b0634-bf99-4c23-8ebf-9d58b6a8e6ce(Office.14).aspx">http://technet.microsoft.com/library/031b0634-bf99-4c23-8ebf-9d58b6a8e6ce(Office.14).aspx</a>).</p>

## Hardware requirements—Database servers

The requirements in the following table apply to database servers in production environments with multiple servers in the farm.

 **Note:**

Our definitions of small and medium deployments are those described in the "Reference Architectures" section in [Capacity management and sizing for SharePoint Server 2010](http://technet.microsoft.com/library/031b0634-bf99-4c23-8ebf-9d58b6a8e6ce(Office.14).aspx) ([http://technet.microsoft.com/library/031b0634-bf99-4c23-8ebf-9d58b6a8e6ce\(Office.14\).aspx](http://technet.microsoft.com/library/031b0634-bf99-4c23-8ebf-9d58b6a8e6ce(Office.14).aspx)).

Component	Minimum requirement
Processor	<ul style="list-style-type: none"> <li>64-bit, four cores for small deployments</li> <li>64-bit, eight cores for medium deployments</li> </ul>
RAM	<ul style="list-style-type: none"> <li>8 GB for small deployments</li> <li>16 GB for medium deployments</li> </ul> <p>For large deployments, see the "Estimate memory requirements" section in <a href="http://technet.microsoft.com/library/a96075c6-d315-40a8-a739-49b91c61978f(Office.14).aspx">Storage and SQL Server capacity planning and configuration (SharePoint Server 2010)</a> (<a href="http://technet.microsoft.com/library/a96075c6-d315-40a8-a739-49b91c61978f(Office.14).aspx">http://technet.microsoft.com/library/a96075c6-d315-40a8-a739-49b91c61978f(Office.14).aspx</a>).</p> <p> <b>Note:</b></p> <p>These values are higher than those recommended as the minimum values for SQL Server because of the distribution of data required for a SharePoint Products 2010 environment. For more information about SQL Server system requirements, see <a href="http://go.microsoft.com/fwlink/?LinkId=129377">Hardware and Software Requirements for Installing SQL Server 2008</a> (<a href="http://go.microsoft.com/fwlink/?LinkId=129377">http://go.microsoft.com/fwlink/?LinkId=129377</a>).</p>

Component	Minimum requirement
Hard disk	80 GB for system drive Hard disk space is dependent on the size of your SharePoint content. For information about estimating the size of content and other databases for your deployment, see <a href="http://technet.microsoft.com/library/a96075c6-d315-40a8-a739-49b91c61978f(Office.14).aspx">Storage and SQL Server capacity planning and configuration (SharePoint Server 2010)</a> ( <a href="http://technet.microsoft.com/library/a96075c6-d315-40a8-a739-49b91c61978f(Office.14).aspx">http://technet.microsoft.com/library/a96075c6-d315-40a8-a739-49b91c61978f(Office.14).aspx</a> ).

## Software requirements

The requirements in the following tables apply to single server with built-in database installations and server farm installations that include a single server and multiple servers in the farm.

### Important:

SharePoint Foundation 2010 does not support single label domain names. For more information, see [Information about configuring Windows for domains with single-label DNS names](http://support.microsoft.com/kb/300684) (<http://support.microsoft.com/kb/300684>).

The Microsoft SharePoint Products Preparation Tool — which you access from the SharePoint Foundation 2010 Start page — can assist you in the installation of the software prerequisites for SharePoint Foundation 2010. Ensure that you have an Internet connection, because some of these prerequisites are installed from the Internet. For more information, see [Deploy a single server with SQL Server \(SharePoint Foundation 2010\)](http://technet.microsoft.com/library/246fb1c9-660e-40b5-860b-7d681f04505a(Office.14).aspx), [Deploy a single server with a built-in database \(SharePoint Foundation 2010\)](http://technet.microsoft.com/library/246fb1c9-660e-40b5-860b-7d681f04505a(Office.14).aspx), and [Multiple servers for a three tier farm \(SharePoint Foundation 2010\)](http://technet.microsoft.com/library/246fb1c9-660e-40b5-860b-7d681f04505a(Office.14).aspx) ([http://technet.microsoft.com/library/246fb1c9-660e-40b5-860b-7d681f04505a\(Office.14\).aspx](http://technet.microsoft.com/library/246fb1c9-660e-40b5-860b-7d681f04505a(Office.14).aspx)).

### Minimum requirements

Environment	Minimum requirement
Database server in a farm	One of the following: <ul style="list-style-type: none"> <li>The 64-bit edition of Microsoft SQL Server 2008 R2.</li> <li>The 64-bit edition of Microsoft SQL Server 2008 with Service Pack 1 (SP1) and Cumulative Update 2. From the <a href="http://go.microsoft.com/fwlink/?LinkId=165962">Cumulative update package 2 for SQL Server 2008 Service Pack 1</a> (<a href="http://go.microsoft.com/fwlink/?LinkId=165962">http://go.microsoft.com/fwlink/?LinkId=165962</a>) page, click the <b>View and request hotfix</b></li> </ul>

Environment	Minimum requirement
	<p><b>downloads</b> link and follow the instructions. On the Hotfix Request page, download the <code>SQL_Server_2008_SP1_Cumulative_Update_2</code> file. When you install Microsoft SQL Server 2008 SP1 on Windows Server 2008 R2, you might receive a compatibility warning. You can disregard this warning and continue with your installation.</p> <p> <b>Note:</b></p> <p>We do not recommend that you use CU3 or CU4, but instead CU2, CU5, or a later CU than CU5. For more information, see <a href="#">Cumulative update package 5 for SQL Server 2008</a> (<a href="http://go.microsoft.com/fwlink/?LinkId=196928">http://go.microsoft.com/fwlink/?LinkId=196928</a>). Download the <code>SQL_Server_2008_RTM_CU5_SNAC</code> file.</p> <ul style="list-style-type: none"> <li>The 64-bit edition of Microsoft SQL Server 2005 with Service Pack 3 (SP3). From the <a href="#">Cumulative update package 3 for SQL Server 2005 Service Pack 3</a> (<a href="http://go.microsoft.com/fwlink/?LinkId=165748">http://go.microsoft.com/fwlink/?LinkId=165748</a>) page, click the <b>View and request hotfix downloads</b> link and follow the instructions. On the Hotfix Request page, download the <code>SQL_Server_2005_SP3_Cumulative_Update_3</code> file.</li> </ul> <p>For more information about choosing a version of SQL Server, see <a href="#">SQL Server 2008 R2 and SharePoint 2010 Products: Better Together (SharePoint Server 2010): white paper</a> (<a href="http://technet.microsoft.com/library/665876e1-2706-42ad-bd76-8e4d1da0ce92(Office.14).aspx">http://technet.microsoft.com/library/665876e1-2706-42ad-bd76-8e4d1da0ce92(Office.14).aspx</a>).</p>
Single server with built-in database	<ul style="list-style-type: none"> <li>The 64-bit edition of Windows Server 2008 Standard, Enterprise, Data Center, or Web Server with SP2; the 64-bit edition of Windows Server 2008 R2 Standard, Enterprise, Data Center, or Web Server; or the 64-bit edition of Windows Server 2008 R2 Service Pack 1 (SP1) Standard, Enterprise, Data Center, or Web Server. If you are running Windows Server 2008 with SP1, the Microsoft SharePoint Products Preparation Tool installs Windows Server 2008 SP2 automatically.</li> </ul>

Environment	Minimum requirement
	<p> <b>Note:</b></p> <p>You must download an update for Windows Server 2008 and Windows Server 2008 R2 before you run Setup. The update is a hotfix for the .NET Framework 3.5 SP1 that is installed by the Preparation tool. It provides a method to support token authentication without transport security or message encryption in WCF. For more information and links, see the "Access to Applicable Software" section later in this article.</p> <ul style="list-style-type: none"> <li>• <a href="http://go.microsoft.com/fwlink/?LinkId=192577">KB979917 - QFE for Sharepoint issues - Perf Counter fix &amp; User Impersonation</a> (<a href="http://go.microsoft.com/fwlink/?LinkId=192577">http://go.microsoft.com/fwlink/?LinkId=192577</a>).</li> <li>• For Windows Server 2008 SP2, download the Windows6.0-KB979917-x64.msu (Vista) file.</li> <li>• For Windows Server 2008 R2, download the Windows6.1-KB979917-x64.msu (Win7) file.</li> </ul> <p>For information, see the related KB article <a href="http://go.microsoft.com/fwlink/?LinkId=192578">Two issues occur when you deploy an ASP.NET 2.0-based application on a server that is running IIS 7.0 or IIS 7.5 in Integrated mode</a> (<a href="http://go.microsoft.com/fwlink/?LinkId=192578">http://go.microsoft.com/fwlink/?LinkId=192578</a>).</p> <p><b>The preparation tool installs the following prerequisites:</b></p> <ul style="list-style-type: none"> <li>• Web Server (IIS) role</li> <li>• Application Server role</li> <li>• Microsoft .NET Framework version 3.5 SP1</li> <li>• SQL Server 2008 Express with SP1</li> <li>• Microsoft Sync Framework Runtime v1.0 (x64)</li> <li>• Microsoft Filter Pack 2.0</li> <li>• Microsoft Chart Controls for the Microsoft .NET Framework 3.5</li> <li>• Windows PowerShell 2.0</li> <li>• SQL Server 2008 Native Client</li> <li>• Microsoft SQL Server 2008 Analysis Services ADOMD.NET</li> </ul>

Environment	Minimum requirement
	<ul style="list-style-type: none"> <li>• ADO.NET Data Services Update for .NET Framework 3.5 SP1</li> <li>• A hotfix for the .NET Framework 3.5 SP1 that provides a method to support token authentication without transport security or message encryption in WCF.</li> <li>• Windows Identity Foundation (WIF)</li> </ul> <p> <b>Note:</b></p> <p>If you have Microsoft "Geneva" Framework installed, you must uninstall it before you install the Windows Identity Foundation (WIF).</p>
Front-end Web servers and application servers in a farm	<ul style="list-style-type: none"> <li>• The 64-bit edition of Windows Server 2008 Standard, Enterprise, Data Center, or Web Server with SP2; the 64-bit edition of Windows Server 2008 R2 Standard, Enterprise, Data Center, or Web Server; or the 64-bit edition of Windows Server 2008 R2 Service Pack 1 (SP1) Standard, Enterprise, Data Center, or Web Server. If you are running Windows Server 2008 with SP1, the Microsoft SharePoint Products Preparation Tool installs Windows Server 2008 SP2 automatically.</li> </ul> <p> <b>Note:</b></p> <p>You must download an update for Windows Server 2008 and Windows Server 2008 R2 before you run Setup. The update is a hotfix for the .NET Framework 3.5 SP1 that is installed by the Preparation tool. It provides a method to support token authentication without transport security or message encryption in WCF. For more information and links, see the "Access to Applicable Software" section.</p> <ul style="list-style-type: none"> <li>• <a href="http://go.microsoft.com/fwlink/?LinkId=192577">KB979917 - QFE for Sharepoint issues - Perf Counter fix &amp; User Impersonation</a> (<a href="http://go.microsoft.com/fwlink/?LinkId=192577">http://go.microsoft.com/fwlink/?LinkId=192577</a>) <ul style="list-style-type: none"> <li>• For Windows Server 2008 SP2, download the Windows6.0-KB979917-x64.msu (Vista) file.</li> </ul> </li> </ul>

Environment	Minimum requirement
	<ul style="list-style-type: none"> <li>• For Windows Server 2008 R2, download the Windows6.1-KB979917-x64.msu (Win7) file. For information, see the related KB article <a href="#">Two issues occur when you deploy an ASP.NET 2.0-based application on a server that is running IIS 7.0 or IIS 7.5 in Integrated mode</a> (<a href="http://go.microsoft.com/fwlink/?LinkId=192578">http://go.microsoft.com/fwlink/?LinkId=192578</a>).</li> </ul> <p><b>The preparation tool installs the following prerequisites:</b></p> <ul style="list-style-type: none"> <li>• Web Server (IIS) role</li> <li>• Application Server role</li> <li>• Microsoft .NET Framework version 3.5 SP1</li> <li>• Microsoft Sync Framework Runtime v1.0 (x64)</li> <li>• Microsoft Filter Pack 2.0</li> <li>• Microsoft Chart Controls for the Microsoft .NET Framework 3.5</li> <li>• Windows PowerShell 2.0</li> <li>• SQL Server 2008 Native Client</li> <li>• Microsoft SQL Server 2008 Analysis Services ADOMD.NET</li> <li>• ADO.NET Data Services Update for .NET Framework 3.5 SP1</li> <li>• A hotfix for the .NET Framework 3.5 SP1 that provides a method to support token authentication without transport security or message encryption in WCF.</li> <li>• Windows Identity Foundation (WIF)</li> </ul> <p> <b>Note:</b></p> <p>If you have Microsoft "Geneva" Framework installed, you must uninstall it before you install the Windows Identity Foundation (WIF).</p>
Client computer	<ul style="list-style-type: none"> <li>• A supported browser. For more information, see <a href="#">Plan browser support (SharePoint Foundation 2010)</a>.</li> </ul>

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## Optional software

Environment	Optional software
Single server with built-in database	<ul style="list-style-type: none"><li>Windows 7 or Windows Vista. For more information, see <a href="http://go.microsoft.com/fwlink/?LinkID=164557">Setting Up the Development Environment for SharePoint Server</a> (<a href="http://go.microsoft.com/fwlink/?LinkID=164557">http://go.microsoft.com/fwlink/?LinkID=164557</a>).</li></ul>
Client computer	<ul style="list-style-type: none"><li>Microsoft Office 2010 client. For more information, see <a href="http://go.microsoft.com/fwlink/?LinkID=195843">Microsoft Office 2010</a> (<a href="http://go.microsoft.com/fwlink/?LinkID=195843">http://go.microsoft.com/fwlink/?LinkID=195843</a>).</li><li>Microsoft Silverlight 3.</li></ul>

## Access to applicable software

To install Windows Server 2008 or Microsoft SQL Server, you can go to the Web sites listed in this section. You can install all other software prerequisites through the SharePoint Foundation Start page. Most of the software prerequisites are also available from Web sites listed in this section. The Web Server (IIS) role and the Application Server role can be enabled manually in Server Manager.

In scenarios where installing prerequisites directly from the Internet is not possible or not feasible, you can install the prerequisites from a network share. For more information, see [Install prerequisites from a network share \(SharePoint Foundation 2010\)](http://technet.microsoft.com/library/3fdf5e00-dffa-46bb-a6b8-abaf66aa583f(Office.14).aspx) ([http://technet.microsoft.com/library/3fdf5e00-dffa-46bb-a6b8-abaf66aa583f\(Office.14\).aspx](http://technet.microsoft.com/library/3fdf5e00-dffa-46bb-a6b8-abaf66aa583f(Office.14).aspx)).

- [SharePoint Foundation 2010](http://go.microsoft.com/fwlink/?LinkId=197422) (<http://go.microsoft.com/fwlink/?LinkId=197422>)
- [Language Packs for SharePoint Foundation 2010](http://go.microsoft.com/fwlink/?LinkId=197424) (<http://go.microsoft.com/fwlink/?LinkId=197424>)
- [Windows Server 2008](http://go.microsoft.com/fwlink/?LinkId=197426) (<http://go.microsoft.com/fwlink/?LinkId=197426>)
- [Windows Server 2008 R2](http://go.microsoft.com/fwlink/?LinkId=197428) (<http://go.microsoft.com/fwlink/?LinkId=197428>)
- [Windows Server 2008 R2 SP1](http://go.microsoft.com/fwlink/?LinkId=214566) (<http://go.microsoft.com/fwlink/?LinkId=214566>)
- [SQL Server 2008 R2](http://go.microsoft.com/fwlink/?LinkId=197429) (<http://go.microsoft.com/fwlink/?LinkId=197429>)
- [SQL Server 2008](http://go.microsoft.com/fwlink/?LinkID=179611) (<http://go.microsoft.com/fwlink/?LinkID=179611>)
- [SQL Server 2005](http://go.microsoft.com/fwlink/?LinkId=197431) (<http://go.microsoft.com/fwlink/?LinkId=197431>)
- [Microsoft SQL Server 2008 SP1](http://go.microsoft.com/fwlink/?LinkId=166490) (<http://go.microsoft.com/fwlink/?LinkId=166490>)
- [Cumulative update package 2 for SQL Server 2008 Service Pack 1](http://go.microsoft.com/fwlink/?LinkId=165962) (<http://go.microsoft.com/fwlink/?LinkId=165962>)
- [Cumulative update package 5 for SQL Server 2008](http://go.microsoft.com/fwlink/?LinkId=197434) (<http://go.microsoft.com/fwlink/?LinkId=197434>). Download the SQL\_Server\_2008\_RTM\_CU5\_SNAC file.

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- [Microsoft SQL Server 2005 SP3](http://go.microsoft.com/fwlink/?LinkId=166496) (<http://go.microsoft.com/fwlink/?LinkId=166496>)
  - [Cumulative update package 3 for SQL Server 2005 Service Pack 3](http://go.microsoft.com/fwlink/?LinkId=165748) (<http://go.microsoft.com/fwlink/?LinkId=165748>)
  - [Microsoft Windows Server 2008 SP2](http://go.microsoft.com/fwlink/?LinkId=166500) (<http://go.microsoft.com/fwlink/?LinkId=166500>)
  - [Windows Server 2008 with SP 2 FIX: A hotfix that provides a method to support the token authentication without transport security or message encryption in WCF is available for the .NET Framework 3.5 SP1](http://go.microsoft.com/fwlink/?LinkId=160770) (<http://go.microsoft.com/fwlink/?LinkId=160770>)
  - [Windows Server 2008 R2 FIX: A hotfix that provides a method to support the token authentication without transport security or message encryption in WCF is available for the .NET Framework 3.5 SP1](http://go.microsoft.com/fwlink/?LinkId=166231) (<http://go.microsoft.com/fwlink/?LinkId=166231>)
  - [Microsoft .NET Framework 3.5 Service Pack 1](http://go.microsoft.com/fwlink/?LinkId=131037) (<http://go.microsoft.com/fwlink/?LinkId=131037>)
  - [Microsoft SQL Server 2008 Express Edition Service Pack 1](http://go.microsoft.com/fwlink/?LinkId=166503) (<http://go.microsoft.com/fwlink/?LinkId=166503>)
  - [Windows Identity Foundation for Windows Server 2008](http://go.microsoft.com/fwlink/?LinkId=160381) (<http://go.microsoft.com/fwlink/?LinkId=160381>)
  - [Windows Identity Foundation for Windows Server 2008 R2](http://go.microsoft.com/fwlink/?LinkId=166363) (<http://go.microsoft.com/fwlink/?LinkId=166363>)
  - [Microsoft Sync Framework v1.0](http://go.microsoft.com/fwlink/?LinkId=141237) (<http://go.microsoft.com/fwlink/?LinkId=141237>)
  - [Microsoft Office 2010 Filter Packs](http://go.microsoft.com/fwlink/?LinkId=191851) (<http://go.microsoft.com/fwlink/?LinkId=191851>)
  - [Microsoft Chart Controls for Microsoft .NET Framework 3.5](http://go.microsoft.com/fwlink/?LinkId=141512) (<http://go.microsoft.com/fwlink/?LinkId=141512>)
  - [Windows PowerShell 2.0](http://go.microsoft.com/fwlink/?LinkId=161023) (<http://go.microsoft.com/fwlink/?LinkId=161023>)
  - [Microsoft SQL Server 2008 Native Client](http://go.microsoft.com/fwlink/?LinkId=166505) (<http://go.microsoft.com/fwlink/?LinkId=166505>)
  - [Microsoft SQL Server 2008 Analysis Services ADOMD.NET](http://go.microsoft.com/fwlink/?LinkId=160390) (<http://go.microsoft.com/fwlink/?LinkId=160390>)
  - [KB979917 - QFE for Sharepoint issues - Perf Counter fix & User Impersonation](http://go.microsoft.com/fwlink/?LinkId=192577) (<http://go.microsoft.com/fwlink/?LinkId=192577>)
    - For Windows Server 2008 SP2, download the Windows6.0-KB979917-x64.msu (Vista) file.
    - For Windows Server 2008 R2, download the Windows6.1-KB979917-x64.msu (Win7) file.
  - [ADO.NET Data Services Update for .NET Framework 3.5 SP1](http://go.microsoft.com/fwlink/?LinkId=163519) (<http://go.microsoft.com/fwlink/?LinkId=163519>) for Windows Server 2008 SP2
  - [ADO.NET Data Services Update for .NET Framework 3.5 SP1](http://go.microsoft.com/fwlink/?LinkId=163524) (<http://go.microsoft.com/fwlink/?LinkId=163524>) for Windows Server 2008 R2 or Windows 7
  - [Microsoft Silverlight 3](http://go.microsoft.com/fwlink/?LinkId=166506) (<http://go.microsoft.com/fwlink/?LinkId=166506>)
  - [Microsoft Office 2010](http://go.microsoft.com/fwlink/?LinkId=195843) (<http://go.microsoft.com/fwlink/?LinkId=195843>)

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- [Office Communicator 2007 R2](http://go.microsoft.com/fwlink/?LinkId=196930) (<http://go.microsoft.com/fwlink/?LinkId=196930>)
  - [Microsoft SharePoint Designer 2010 \(32-bit\)](http://go.microsoft.com/fwlink/?LinkId=196931) (<http://go.microsoft.com/fwlink/?LinkId=196931>)
  - [Microsoft SharePoint Designer 2010 \(64-bit\)](http://go.microsoft.com/fwlink/?LinkId=196932) (<http://go.microsoft.com/fwlink/?LinkId=196932>)
  - [Microsoft SQL Server 2008 SP1](http://go.microsoft.com/fwlink/?LinkId=166490) (<http://go.microsoft.com/fwlink/?LinkId=166490>)
  - [Cumulative update package 2 for SQL Server 2008 Service Pack 1](http://go.microsoft.com/fwlink/?LinkId=165962) (<http://go.microsoft.com/fwlink/?LinkId=165962>).
  - [Microsoft SQL Server 2005 SP3](http://go.microsoft.com/fwlink/?LinkId=166496) (<http://go.microsoft.com/fwlink/?LinkId=166496>)
  - [Cumulative update package 3 for SQL Server 2005 Service Pack 3](http://go.microsoft.com/fwlink/?LinkId=165748) (<http://go.microsoft.com/fwlink/?LinkId=165748>).
  - [Microsoft Windows Server 2008 SP2](http://go.microsoft.com/fwlink/?LinkId=166500) (<http://go.microsoft.com/fwlink/?LinkId=166500>)
  - [Windows Server 2008 with SP 2 FIX: A hotfix that provides a method to support the token authentication without transport security or message encryption in WCF is available for the .NET Framework 3.5 SP1](http://go.microsoft.com/fwlink/?LinkId=160770) (<http://go.microsoft.com/fwlink/?LinkId=160770>).
  - [Windows Server 2008 R2 FIX: A hotfix that provides a method to support the token authentication without transport security or message encryption in WCF is available for the .NET Framework 3.5 SP1](http://go.microsoft.com/fwlink/?LinkId=166231) (<http://go.microsoft.com/fwlink/?LinkId=166231>).
  - [Microsoft .NET Framework 3.5 Service Pack 1](http://go.microsoft.com/fwlink/?LinkId=131037) (<http://go.microsoft.com/fwlink/?LinkId=131037>)
  - [Microsoft SQL Server 2008 Express Edition Service Pack 1](http://go.microsoft.com/fwlink/?LinkId=166503) (<http://go.microsoft.com/fwlink/?LinkId=166503>)
  - [Windows Identity Framework for Windows Server 2008](http://go.microsoft.com/fwlink/?LinkId=160381) (<http://go.microsoft.com/fwlink/?LinkId=160381>)
  - [Windows Identity Framework for Windows Server 2008 R2](http://go.microsoft.com/fwlink/?LinkId=166363) (<http://go.microsoft.com/fwlink/?LinkId=166363>)
  - [Microsoft Sync Framework v1.0](http://go.microsoft.com/fwlink/?LinkId=141237&clid=0x409) (<http://go.microsoft.com/fwlink/?LinkId=141237&clid=0x409>)
  - [Microsoft Office 2010 Filter Packs](http://go.microsoft.com/fwlink/?LinkId=191851) (<http://go.microsoft.com/fwlink/?LinkId=191851>)
  - [Microsoft Chart Controls for Microsoft .NET Framework 3.5](http://go.microsoft.com/fwlink/?LinkId=141512) (<http://go.microsoft.com/fwlink/?LinkId=141512>)
  - [Windows PowerShell 2.0](http://go.microsoft.com/fwlink/?LinkId=161023) (<http://go.microsoft.com/fwlink/?LinkId=161023>)
  - [Microsoft SQL Server 2008 Native Client](http://go.microsoft.com/fwlink/?LinkId=166505) (<http://go.microsoft.com/fwlink/?LinkId=166505>)
  - [Microsoft SQL Server 2008 Analysis Services ADOMD.NET](http://go.microsoft.com/fwlink/?LinkId=130651) (<http://go.microsoft.com/fwlink/?LinkId=130651>)
  - [KB979917 - QFE for Sharepoint issues - Perf Counter fix & User Impersonation](http://go.microsoft.com/fwlink/?LinkId=192577) (<http://go.microsoft.com/fwlink/?LinkId=192577>)
    - For Windows Server 2008 SP2, download the Windows6.0-KB979917-x64.msu (Vista) file.

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- For Windows Server 2008 R2, download the Windows6.1-KB979917-x64.msu (Win7) file.  
For information, see the related KB article [Two issues occur when you deploy an ASP.NET 2.0-based application on a server that is running IIS 7.0 or IIS 7.5 in Integrated mode](http://go.microsoft.com/fwlink/?LinkID=192578) (<http://go.microsoft.com/fwlink/?LinkID=192578>).
  - [Microsoft Office 2010](http://go.microsoft.com/fwlink/?LinkID=195843) (<http://go.microsoft.com/fwlink/?LinkID=195843>)
  - [Microsoft Silverlight 3](http://go.microsoft.com/fwlink/?LinkID=166506) (<http://go.microsoft.com/fwlink/?LinkID=166506>)
  - [ADO.NET Data Services Update for .NET Framework 3.5 SP1](http://go.microsoft.com/fwlink/?LinkID=163519) (<http://go.microsoft.com/fwlink/?LinkID=163519>) for Windows Server 2008 SP2
  - [ADO.NET Data Services Update for .NET Framework 3.5 SP1](http://go.microsoft.com/fwlink/?LinkID=163524) (<http://go.microsoft.com/fwlink/?LinkID=163524>) for Windows Server 2008 R2 or Windows 7

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# Plan browser support (SharePoint Foundation 2010)

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Updated: April 7, 2011

Microsoft SharePoint Foundation 2010 supports several commonly used Web browsers. This article describes different levels of Web browser support, and it explains how ActiveX controls affect features.

In this article:

- [About planning browser support](#)
- [Key planning phase of browser support](#)
- [ActiveX controls](#)

## About planning browser support

SharePoint Foundation 2010 supports several commonly used Web browsers. However, certain Web browsers might cause some SharePoint Foundation 2010 functionality to be downgraded, limited, or available only through alternative steps. In some cases, functionality might be unavailable for noncritical administrative tasks.

As part of planning your deployment of SharePoint Foundation 2010, we recommend that you review the browsers used in your organization to ensure optimal performance with SharePoint Foundation 2010.

If you are upgrading from SharePoint Portal Server 2003 to SharePoint Foundation 2010, additional considerations for browser support exist. For information, see [Upgrade from SharePoint Portal Server 2003 to SharePoint Server 2010](#) ([http://technet.microsoft.com/library/ba5a173b-8ff1-4096-a7ab-8c8412b9114c\(Office.14\).aspx](http://technet.microsoft.com/library/ba5a173b-8ff1-4096-a7ab-8c8412b9114c(Office.14).aspx)).

## Key planning phase of browser support

Browser support is an important part of your SharePoint Foundation 2010 implementation. Before you install SharePoint Foundation 2010, ensure that you know which browsers SharePoint Foundation 2010 supports. The information in this topic covers the following areas:

- Browser support levels
- Browser support matrix
- Browser details

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## Browser support levels

Browser support for SharePoint Foundation 2010 can be divided into three different levels, as follows:

- **Supported**  
A supported Web browser is a Web browser that is supported to work with SharePoint Foundation 2010, and all features and functionality work. If you encounter any issues, support can help you to resolve these issues.
- **Supported with known limitations**  
A supported Web browser with known limitations is a Web browser that is supported to work with SharePoint Foundation 2010, although there are some known limitations. Most features and functionality work, but if there is a feature or functionality that does not work or is disabled by design, documentation on how to resolve these issues is readily available.
- **Not tested**  
A Web browser that is not tested means that its compatibility with SharePoint Foundation 2010 is untested, and there may be issues with using the particular Web browser. SharePoint Foundation 2010 works best with up-to-date, standards-based Web browsers.

## Browser support matrix

The following table summarizes the support levels of commonly used browsers.

Browser	Supported	Supported with limitations	Not tested
Internet Explorer 9 (32-bit)	X		
Internet Explorer 8 (32-bit)	X		
Internet Explorer 7 (32-bit)	X		
Internet Explorer 9 (64-bit)		X	
Internet Explorer 8 (64-bit)		X	
Internet Explorer 7 (64-bit)		X	
Internet Explorer 6 (32-bit)			X
Mozilla Firefox 3.6 (on Windows operating systems)		X	
Mozilla Firefox 3.6 (on non-Windows operating systems)		X	
Safari 4.04 (on non-Windows operating systems)		X	

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## **Browser details**

You should review the details of the Web browser that you have or plan to use in your organization to ensure that the Web browser works with SharePoint Foundation 2010 and according to your business needs.

### **Internet Explorer 8 (32-bit) and Internet Explorer 9 (32-bit)**

Internet Explorer 8 (32-bit) and Internet Explorer 9 (32-bit) are supported on the following operating systems:

- Windows Server 2008 R2
- Windows Server 2008
- Windows Server 2003
- Windows 7
- Windows Vista
- Windows XP

#### **Known limitations**

There are no known limitations for Internet Explorer 8 (32-bit) and Internet Explorer 9 (32-bit).

### **Internet Explorer 7 (32-bit)**

Internet Explorer 7 (32-bit) is supported on the following operating systems:

- Windows Server 2008
- Windows Server 2003
- Windows Vista
- Windows XP

#### **Known limitations**

There are no known limitations for Internet Explorer 7 (32-bit).

### **Internet Explorer 6 (32-bit)**

SharePoint Foundation 2010 does not support Internet Explorer 6 (32-bit).

### **Internet Explorer 8 (64-bit) and Internet Explorer 9 (64-bit)**

Internet Explorer 8.0 (64-bit) and Internet Explorer 9 (64-bit) are supported on the following operating systems:

- Windows Server 2008 R2
- Windows Server 2008
- Windows Server 2003
- Windows 7
- Windows Vista
- Windows XP

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### Known limitations

The following table lists features and their known limitations in Internet Explorer 8 (64-bit) and Internet Explorer 9 (64-bit).

Feature	Limitation
Connect to Outlook, Connect to Office, and Sync to SharePoint Workspace	Works with an ActiveX control and the stssync:// protocol. Therefore, functionality may be limited without an ActiveX control, such as the one that is included in Microsoft Office 2010. The feature also requires an application that is compatible with the stssync:// protocol, such as Microsoft Outlook.
Datasheet view	Requires a 64-bit ActiveX control. Microsoft Office 2010 does not provide a 64-bit version of this control.
Edit in Microsoft Office application	Requires a 64-bit ActiveX control. Microsoft Office 2010 does not provide a 64-bit version of this control.
Explorer view	Removed in SharePoint Foundation 2010. Libraries that have been upgraded from earlier versions of SharePoint Foundation 2010 may still have Explorer views and these may not work.
Export to Excel	Downloads a file with an .iqy extension to the Web browser. If Microsoft Excel is not installed, and if no other application is configured to open this file, then this feature will not work.
File upload and copy	Requires a 64-bit ActiveX control. Microsoft Office 2010 does not provide a 64-bit version of this control.
Microsoft InfoPath 2010 integration	Requires a 64-bit ActiveX control. Microsoft Office 2010 does not provide a 64-bit version of this control.
Microsoft PowerPoint 2010 Picture Library integration	Requires a 64-bit ActiveX control, such as the one that is delivered in Microsoft Office 2010. The user can use the following workarounds when no control has been installed: <ul style="list-style-type: none"><li>• If a user wants to upload multiple pictures in a picture library, the user must</li></ul>

Feature	Limitation
	<p>upload one picture at a time by using Upload.aspx.</p> <ul style="list-style-type: none"> <li>• If a user wants to edit a picture in a picture library, the user must download the picture, edit it, and then upload the picture to the picture library.</li> <li>• If a user wants to download more than one picture from a picture library, the user must download one picture at a time by clicking on the picture link.</li> </ul>
Microsoft Visio 2010 diagram creation	Requires a 64-bit ActiveX control. Microsoft Office 2010 does not provide a 64-bit version of this control.
New Document	Requires a 64-bit ActiveX control. Microsoft Office 2010 does not provide a 64-bit version of this control. Although the <b>New Document</b> command may not work, you can use the Upload Document functionality. If you install and configure Office Web Applications on the server, the <b>New Document</b> command works, and you can create an Office document in your browser.
Send To	Can leverage a 64-bit ActiveX control. Microsoft Office 2010 does not provide a 64-bit version of this control. Without the control, files cannot be sent from one SharePoint farm to another SharePoint farm. However, files can still be sent from one site to another site.
Signing Forms (InfoPath Form Services)	Requires a 64-bit ActiveX control. Microsoft Office 2010 does not provide a 64-bit version of this control.
Spreadsheet and Database integration	<p>Require a 64-bit ActiveX control. Microsoft Office 2010 does not provide a 64-bit version of this control. The user can use the following workarounds when no control has been installed:</p> <ul style="list-style-type: none"> <li>• If a user wants to edit a document, the user must download the document, edit it, and then save it back to the server.</li> <li>• In a list that requires a document to be checked out for editing, a user must use</li> </ul>

Feature	Limitation
	<p>the <b>Edit</b> menu to check out the document, edit it, and then check it in by using the <b>Edit</b> menu.</p> <ul style="list-style-type: none"> <li>Export to spreadsheet. Users can export a SharePoint list as a spreadsheet by clicking <b>Export to Spreadsheet</b> on the <b>List</b> tab on the ribbon.</li> </ul>
Web Part to Web Part Connections	May require deactivation of browsers pop-up blockers for SharePoint sites.

### Internet Explorer 7 (64-bit)

Internet Explorer 7 (64-bit) is supported on the following operating systems:

- Windows Server 2008
- Windows Server 2003
- Windows Vista
- Windows XP

### Known limitations

The following table lists features and their known limitations in Internet Explorer 7 (64-bit).

Feature	Limitation
Connect to Outlook, Connect to Office, and Sync to SharePoint Workspace	Works with an ActiveX control and the stssync:// protocol. Therefore, functionality may be limited without an ActiveX control, such as the one that is included in Microsoft Office 2010. This feature requires an application that is compatible with the stssync:// protocol, such as Microsoft Outlook.
Datasheet view	Requires a 64-bit ActiveX control. Microsoft Office 2010 does not provide a 64-bit version of this control.
Edit in Microsoft Office application	Requires a 64-bit ActiveX control. Microsoft Office 2010 does not provide a 64-bit version of this control.
Explorer view	Removed in SharePoint Foundation 2010. Libraries that have been upgraded from earlier versions of SharePoint Foundation 2010 may still have Explorer views.

Feature	Limitation
Export to Excel	Downloads a file with an .iqy extension to the Web browser. If Microsoft Excel is not installed, and if no other application is configured to open this file, then this feature will not work.
File upload and copy	Requires a 64-bit ActiveX control. Microsoft Office 2010 does not provide a 64-bit version of this control.
Microsoft InfoPath 2010 integration	Requires a 64-bit ActiveX control. Microsoft Office 2010 does not provide a 64-bit version of this control.
Microsoft PowerPoint 2010 Picture Library integration	<p>Requires a 64-bit ActiveX control, such as the one that is delivered in Microsoft Office 2010. The user can use the following workarounds when no control has been installed:</p> <ul style="list-style-type: none"> <li>• If a user wants to upload multiple pictures in a picture library, the user must upload one picture at a time by using Upload.aspx.</li> <li>• If a user wants to edit a picture in a picture library, the user must download the picture, edit it, and then upload the picture to the picture library.</li> <li>• If a user wants to download more than one picture from a picture library, the user must download one picture at a time by clicking on the picture link.</li> </ul>
Microsoft Visio 2010 diagram creation	Requires a 64-bit ActiveX control. Microsoft Office 2010 does not provide a 64-bit version of this control.
New Document	Requires a 64-bit ActiveX control. Microsoft Office 2010 does not provide a 64-bit version of this control. Although the <b>New Document</b> command may not work, you can use the Upload Document functionality. If you install and configure Office Web Applications on the server, the <b>New Document</b> command works, and you can create an Office document in your browser.
Send To	Can leverage a 64-bit ActiveX control.

Feature	Limitation
	Microsoft Office 2010 does not provide a 64-bit version of this control. Without the control, files cannot be sent from one SharePoint farm to another SharePoint farm. However, files can still be sent from one site to another site.
Signing Forms (InfoPath Form Services)	Requires a 64-bit ActiveX control. Microsoft Office 2010 does not provide a 64-bit version of this control.
Spreadsheet and Database integration	<p>Require a 64-bit ActiveX control. Microsoft Office 2010 does not provide a 64-bit version of this control. The user can use the following workarounds when no control has been installed:</p> <ul style="list-style-type: none"> <li>• If a user wants to edit a document, the user must download the document, edit it, and then save it back to the server.</li> <li>• In a list that requires a document to be checked out for editing, a user must use the <b>Edit</b> menu to check out the document, edit it, and then check it in by using the <b>Edit</b> menu.</li> <li>• Export to spreadsheet. Users can export a SharePoint list as a spreadsheet by clicking <b>Export to Spreadsheet</b> on the <b>List</b> tab on the ribbon.</li> </ul>
Web Part to Web Part Connections	May require deactivation of browsers pop-up blockers for SharePoint sites.

### **Mozilla Firefox 3.6 (on Windows operating systems)**

Mozilla Firefox 3.6 is supported on the following operating systems:

- Windows Server 2008 R2
- Windows Server 2008
- Windows Server 2003
- Windows 7
- Windows Vista
- Windows XP

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### Known limitations

The following table lists features and their known limitations in Mozilla Firefox 3.6 (on Windows operating systems).

Feature	Limitation
Connect to Outlook, Connect to Office, and Sync to SharePoint Workspace	Works with an ActiveX control, but requires a Firefox control adaptor. Microsoft Office 2010 does not provide a Firefox control adaptor for this control. The feature also requires an application that is compatible with the stssync:// protocol, such as Microsoft Outlook.
Datasheet view	Requires an ActiveX control, such as the one that is delivered in Microsoft Office 2010, and a Firefox control adaptor. Microsoft Office 2010 does not provide a Firefox control adaptor for this control.
Drag and Drop Web Parts	Cannot be moved by using drag and drop on Web Part pages. Users must click <b>Edit</b> on the Web Part, select <b>Modify Web Part</b> , and then select the zone from the <b>Layout</b> section of the Web Part properties page. Web Parts can be moved using drag and drop on Pages.
Edit in Microsoft Office application	Requires an ActiveX control, such as the one that is delivered in SharePoint Foundation 2010, and a Firefox control adaptor. For more information about Microsoft Office 2010 Firefox Plug-in, see <a href="http://go.microsoft.com/fwlink/?LinkId=199867">FFWinPlugin Plug-in</a> ( <a href="http://go.microsoft.com/fwlink/?LinkId=199867">http://go.microsoft.com/fwlink/?LinkId=199867</a> ). If you install and configure the Office Web Applications on the server, the Edit functionality works and you can modify Office documents in your browser. This functionality only works with Microsoft Office 2010 or an equivalent product together with a Firefox plug-in.
Explorer view	Removed in SharePoint Foundation 2010. Libraries that have been upgraded from earlier versions of SharePoint Foundation 2010 may still have Explorer views, and these may not work. Explorer view requires Internet Explorer.
Export to Excel	Downloads a file with an .iqy extension to the Web browser. If Microsoft Excel is not installed, and if no other application is configured to open this file, then this feature will not work.
File upload and copy	Requires an ActiveX control, such as the one that is delivered in Microsoft Office 2010, and a Firefox control adaptor. Microsoft Office 2010 does not

Feature	Limitation
	provide a Firefox control adaptor for this control.
Microsoft InfoPath 2010 integration	Requires an ActiveX control, such as the one that is delivered in Microsoft Office 2010, and a Firefox control adaptor. Microsoft Office 2010 does not provide a Firefox control adaptor for this control.
Microsoft PowerPoint 2010 Picture Library integration	<p>Requires an ActiveX control, such as the one that is delivered in Microsoft Office 2010, and a Firefox control adaptor. Microsoft Office 2010 does not provide a Firefox control adaptor for this control. The user can use the following workarounds when no control has been installed:</p> <ul style="list-style-type: none"> <li>• If a user wants to upload multiple pictures in a picture library, the user must upload one picture at a time by using Upload.aspx.</li> <li>• If a user wants to edit a picture in a picture library, the user must download the picture, edit it, and then upload the picture to the picture library.</li> <li>• If a user wants to download more than one picture from a picture library, the user must download one picture at a time by clicking on the picture link.</li> </ul>
Microsoft Visio 2010 diagram creation	Requires an ActiveX control, such as the one delivered in Microsoft Office 2010, and a Firefox control adaptor. Microsoft Office 2010 does not provide a Firefox control adaptor for this control.
New Document	Requires an ActiveX control, such as the one delivered in Microsoft Office 2010, and a Firefox control adaptor. For more information about Microsoft Office 2010 Firefox Plug-in, see <a href="http://go.microsoft.com/fwlink/?LinkId=199867">FWWinPlugin Plug-in (http://go.microsoft.com/fwlink/?LinkId=199867)</a> . Although the <b>New Document</b> command may not work, you can use the Upload Document functionality. If you install and configure Office Web Applications on the server, the <b>New Document</b> command works, and you can create an Office document in your browser.
Rich Text Editor – Basic Toolbar	A user can update the Rich Text Editor basic toolbar to a Full Rich Text Editor that includes the ribbon by changing the field's properties, as follows: On the FldEdit.aspx, in the <b>List Settings</b> menu, select <b>Specific Field Settings</b> . Next, under <b>Columns</b> , click

Feature	Limitation
	<b>Description.</b> In the <b>Additional Columns Settings</b> section, under <b>Specify the type of text to allow</b> , select <b>Enhanced rich text (Rich text with pictures, tables, and hyperlinks)</b> .
Send To	Can leverage an ActiveX control, such as the one that is delivered in Microsoft Office 2010, and a Firefox control adaptor. Microsoft Office 2010 does not provide a Firefox control adaptor for this control. Without the control, files cannot be sent from one SharePoint farm to another SharePoint farm. However, files can still be sent from one site to another site.
Signing Forms (InfoPath Form Services)	Requires an ActiveX control, such as the one that is delivered in Microsoft Office 2010, and a Firefox control adaptor. Microsoft Office 2010 does not provide a Firefox control adaptor for this control.
Spreadsheet and Database integration	<p>Require ActiveX controls, such as those that are delivered in Microsoft Office 2010, and Firefox control adaptors. Microsoft Office 2010 does not provide a Firefox control adaptor for this control. The user can use the following workarounds when no control has been installed:</p> <ul style="list-style-type: none"> <li>• If a user wants to edit a document, the user must download the document, edit it, and then save it back to the server.</li> <li>• In a list that requires a document to be checked out for editing, a user must use the <b>Edit</b> menu to check out the document, edit it, and then check it in by using the <b>Edit</b> menu.</li> <li>• Export to spreadsheet. Users can export a SharePoint list as a spreadsheet by clicking <b>Export to Spreadsheet</b> on the <b>List</b> tab on the ribbon.</li> </ul>
Web Part to Web Part Connections	May require deactivation of browsers pop-up blockers for SharePoint sites.

### **Mozilla FireFox 3.6 (on non-Windows operating systems)**

Mozilla FireFox 3.6 is supported on the following operating systems:

- Mac OSX
- UNIX/Linux

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### Known limitations

The following table lists features and their known limitations in Mozilla FireFox 3.6 (on non-Windows operating systems).

Feature	Limitation
Connect to Outlook, Connect to Office, and Sync to SharePoint Workspace	Requires an application that is compatible with the stssync:// protocol, such as Microsoft Outlook.
Datasheet view	Requires an ActiveX control that is not supported on this platform. Microsoft Office 2010 does not provide a Firefox control adaptor for this control.
Drag and Drop Web Parts	Cannot be moved by using drag and drop on Web Part pages. Users must click <b>Edit</b> on the Web Part, select <b>Modify Web Part</b> , and then select the zone from the <b>Layout</b> section of the Web Part properties page. Web Parts can be moved using drag and drop on Pages.
Edit in Microsoft Office application	Requires an ActiveX control that is not supported on this platform. If you install and configure the Office Web Applications on the server, the Edit functionality works and you can modify Office documents in your browser.
Explorer view	Removed in SharePoint Foundation 2010. Libraries that have been upgraded from earlier versions of SharePoint Foundation 2010 may still have Explorer views, and these may not work. Explorer view requires Internet Explorer.
Export to Excel	Downloads a file with an .iqy extension to the Web browser. Requires an application that is configured to open this file.
File upload and copy	Requires an ActiveX control that is not support on this platform.
Microsoft InfoPath 2010 integration	Requires an ActiveX control that is not support on this platform.

Feature	Limitation
Microsoft PowerPoint 2010 Picture Library integration	<p>Requires an ActiveX control that is not supported on this platform. Microsoft Office 2010 does not provide a Firefox control adaptor for this control.</p> <p>The user can use the following workarounds when no control has been installed:</p> <ul style="list-style-type: none"> <li>• If a user wants to upload multiple pictures in a picture library, the user must upload one picture at a time by using Upload.aspx.</li> <li>• If a user wants to edit a picture in a picture library, the user must download the picture, edit it, and then upload the picture to the picture library.</li> <li>• If a user wants to download more than one picture from a picture library, the user must download one picture at a time by clicking on the picture link.</li> </ul>
Microsoft Visio 2010 diagram creation	Requires an ActiveX control that is not supported on this platform.
New Document	<p>Requires an ActiveX control that is not supported on this platform. Although the <b>New Document</b> command may not work, you can use the Upload Document functionality.</p> <p>If you install and configure Office Web Applications on the server, the <b>New Document</b> command works, and you can create an Office document in your browser.</p>
Rich Text Editor – Basic Toolbar	<p>A user can update the Rich Text Editor basic toolbar to a Full Rich Text Editor that includes the ribbon by changing the field's properties, as follows:</p> <p>On the FldEdit.aspx, in the <b>List Settings</b> menu, select <b>Specific Field Settings</b>.</p> <p>Next, under <b>Columns</b>, click <b>Description</b>.</p> <p>In the <b>Additional Columns Settings</b> section, under <b>Specify the type of text to allow</b>, select <b>Enhanced rich text (Rich text with pictures, tables, and hyperlinks)</b>.</p>

Feature	Limitation
Send To	Can leverage an ActiveX control that is not supported on this platform. Without the control, files cannot be sent from one SharePoint farm to another SharePoint farm. However, files can still be sent from one site to another site.
Signing Forms (InfoPath Form Services)	Requires an ActiveX control that is not supported on this platform.
Spreadsheet and Database integration	<p>Require ActiveX controls that is not supported on this platform.</p> <p>The user can use the following workarounds when no control has been installed:</p> <ul style="list-style-type: none"> <li>• If a user wants to edit a document, the user must download the document, edit it, and then save it back to the server.</li> <li>• In a list that requires a document to be checked out for editing, a user must use the <b>Edit</b> menu to check out the document, edit it, and then check it in by using the <b>Edit</b> menu.</li> <li>• Export to spreadsheet. Users can export a SharePoint list as a spreadsheet by clicking <b>Export to Spreadsheet</b> on the <b>List</b> tab on the ribbon.</li> </ul>
Web Part to Web Part Connections	May require deactivation of browsers pop-up blockers for SharePoint sites.

 **Note:**

Firefox browsers on UNIX/Linux systems may not work with the Web Part menu.

 **Note:**

Some ActiveX features, such as list Datasheet view and the control that displays user presence information, do not work in Mozilla Firefox 3.6. Firefox users can use the Microsoft Office 2010 Firefox Plug-in to launch documents.

**Safari 4.04 (on non-Windows operating systems)**

Safari 4.0.4 is supported on the following operating systems:

- Mac OSX (Version 10.6, Snow Leopard)

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### Known limitations

The following table lists features and their known limitations in Safari 4.04 (on non-Windows operating systems).

Feature	Limitation
Connect to Outlook, Connect to Office, and Sync to SharePoint Workspace	Requires an application that is compatible with the stssync:// protocol, such as Microsoft Outlook.
Datasheet view	Requires an ActiveX control that is not supported on this platform.
Drag and Drop Web Parts	Cannot be moved by using drag and drop on Web Part pages. Users must click <b>Edit</b> on the Web Part, select <b>Modify Web Part</b> , and then select the zone from the <b>Layout</b> section of the Web Part properties page. Web Parts can be moved using drag and drop on Pages.
Edit in Microsoft Office application	Requires an ActiveX control that is not supported on this platform. If you install and configure the Office Web Applications on the server, the Edit functionality works and you can modify Office documents in your browser.
Explorer view	Removed in SharePoint Foundation 2010. Libraries that have been upgraded from earlier versions of SharePoint Foundation 2010 may still have Explorer views. Explorer view requires Internet Explorer.
Export to Excel	Downloads a file with an .iqy extension to the Web browser. Requires an application that is configured to open this file.
File upload and copy	Requires an ActiveX control that is not supported on this platform.
Microsoft InfoPath 2010 integration	Requires an ActiveX control that is not supported on this platform.
Microsoft PowerPoint 2010 Picture Library integration	Requires an ActiveX control that is not supported on this platform. The user can use the following workarounds when no control has been installed: <ul style="list-style-type: none"><li>• If a user wants to upload multiple pictures in a picture library, the user</li></ul>

Feature	Limitation
	<p>must upload one picture at a time by using Upload.aspx.</p> <ul style="list-style-type: none"> <li>• If a user wants to edit a picture in a picture library, the user must download the picture, edit it, and then upload the picture to the picture library.</li> <li>• If a user wants to download more than one picture from a picture library, the user must download one picture at a time by clicking on the picture link.</li> </ul>
Microsoft Visio 2010 diagram creation	Requires an ActiveX control that is not supported on this platform.
New Document	Requires an ActiveX control that is not supported on this platform. Although the <b>New Document</b> command may not work, you can use the Upload Document functionality. If you install and configure Office Web Applications on the server, the <b>New Document</b> command works, and you can create an Office document in your browser.
Rich Text Editor – Basic Toolbar	A user can update the Rich Text Editor basic toolbar to a Full Rich Text Editor that includes the ribbon by changing the field's properties, as follows: On the FldEdit.aspx, in the <b>List Settings</b> menu, select <b>Specific Field Settings</b> . Next, under <b>Columns</b> , click <b>Description</b> . In the <b>Additional Columns Settings</b> section, under <b>Specify the type of text to allow</b> , select <b>Enhanced rich text (Rich text with pictures, tables, and hyperlinks)</b> .
Send To	Can leverage an ActiveX control that is not supported on this platform. Without the control, files cannot be sent from one SharePoint farm to another SharePoint farm. However, files can still be sent from one site to another site.
Signing Forms (InfoPath Form Services)	Requires an ActiveX control that is not supported on this platform.
Spreadsheet and Database integration	Require ActiveX controls that are not supported on this platform. The user can

Feature	Limitation
	<p>use the following workarounds when no control has been installed:</p> <ul style="list-style-type: none"> <li>• If a user wants to edit a document, the user must download the document, edit it, and then save it back to the server.</li> <li>• In a list that requires a document to be checked out for editing, a user must use the <b>Edit</b> menu to check out the document, edit it, and then check it in by using the <b>Edit</b> menu.</li> <li>• Export to spreadsheet. Users can export a SharePoint list as a spreadsheet by clicking <b>Export to Spreadsheet</b> on the <b>List</b> tab on the ribbon.</li> </ul>
Web Part to Web Part Connections	May require deactivation of browsers pop-up blockers for SharePoint sites.

## ActiveX controls

Some of the features in SharePoint Foundation 2010 use ActiveX controls. In secure environments, these controls must be able to work on the client computer before their features will function. Some ActiveX controls, such as those included in Microsoft Office 2010, does not work with 64-bit browser versions. For Microsoft Office 2010 (64-bit), only the following control works with 64-bit browsers:

- name.dll – Presence information

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# Deploy a single server with SQL Server (SharePoint Foundation 2010)

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Updated: June 10, 2010

This article describes how to perform a clean installation of Microsoft SharePoint Foundation 2010 on a single server farm.

In this article:

- [Overview](#)
- [Before you begin](#)
- [Install SharePoint Foundation 2010](#)
- [Post-installation steps](#)

## Overview

When you install SharePoint Foundation 2010 on a single server farm, you can configure SharePoint Foundation 2010 to meet your specific needs. After Setup and the SharePoint Products Configuration Wizard have been completed, you will have installed binaries, configured security permissions, registry settings, the configuration database, and the content database, and installed the SharePoint Central Administration Web site.

Next, you can choose to run the Farm Configuration Wizard to configure the farm, select the services that you want to use in the farm, and create the first site collection, or you can manually perform the farm configuration at your own pace.

A single server farm typically consists of one server that runs both Microsoft SQL Server and SharePoint Foundation 2010. You can deploy SharePoint Foundation 2010 in a single server farm environment if you are hosting only a few sites for a limited number of users. This configuration is also useful if you want to configure a farm to meet your needs first, and then add servers to the farm at a later stage.

### Note:

This guide does not explain how to install SharePoint Foundation 2010 in a multiple server farm environment or how to upgrade from previous releases of SharePoint Foundation. For more information, see [Multiple servers for a three tier farm \(SharePoint Foundation 2010\)](http://technet.microsoft.com/library/246fb1c9-660e-40b5-860b-7d681f04505a(Office.14).aspx) ([http://technet.microsoft.com/library/246fb1c9-660e-40b5-860b-7d681f04505a\(Office.14\).aspx](http://technet.microsoft.com/library/246fb1c9-660e-40b5-860b-7d681f04505a(Office.14).aspx)). For more information about upgrade, see [Upgrading to SharePoint Foundation 2010](http://technet.microsoft.com/library/91046a84-57a1-40cb-a32c-ff3395073dc9(Office.14).aspx) ([http://technet.microsoft.com/library/91046a84-57a1-40cb-a32c-ff3395073dc9\(Office.14\).aspx](http://technet.microsoft.com/library/91046a84-57a1-40cb-a32c-ff3395073dc9(Office.14).aspx)).

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## Before you begin

Before you begin deployment, do the following:

- Ensure that you are familiar with the operating-system guidelines described in [Performance Tuning Guidelines for Windows Server 2008](http://www.microsoft.com/whdc/system/sysperf/Perf_tun_srv.mspx) ([http://www.microsoft.com/whdc/system/sysperf/Perf\\_tun\\_srv.mspx](http://www.microsoft.com/whdc/system/sysperf/Perf_tun_srv.mspx)) and [Performance Tuning Guidelines for Windows Server 2008 R2](http://www.microsoft.com/whdc/system/sysperf/Perf_tun_srv-R2.mspx) ([http://www.microsoft.com/whdc/system/sysperf/Perf\\_tun\\_srv-R2.mspx](http://www.microsoft.com/whdc/system/sysperf/Perf_tun_srv-R2.mspx)).
- Ensure that you have met all hardware and software requirements. For more information, see [Hardware and software requirements \(SharePoint Foundation 2010\)](#).
- Ensure that you perform a clean installation of SharePoint Foundation 2010. You cannot install the RTM version of SharePoint Foundation 2010 without first removing the beta version of SharePoint Foundation 2010.
- Ensure that you are prepared to set up the required accounts with appropriate permissions, as described in [Administrative and service accounts required for initial deployment \(SharePoint Foundation 2010\)](#) ([http://technet.microsoft.com/library/b1aee1ea-45f6-4e05-ad93-9086f6ad7e79\(Office.14\).aspx](http://technet.microsoft.com/library/b1aee1ea-45f6-4e05-ad93-9086f6ad7e79(Office.14).aspx)).

 **Note:**

As a security best practice, we recommend that you install SharePoint Foundation 2010 by using least-privilege administration.

- Ensure that you have decided which services to use for your Web application, as described in [Configure services \(SharePoint Foundation 2010\)](#) ([http://technet.microsoft.com/library/88da9bdb-b7c2-4174-997b-d767b9b9c9ea\(Office.14\).aspx](http://technet.microsoft.com/library/88da9bdb-b7c2-4174-997b-d767b9b9c9ea(Office.14).aspx)).

## Install SharePoint Foundation 2010

To install and configure SharePoint Foundation 2010, follow these steps:

1. Run the Microsoft SharePoint Products Preparation Tool, which installs all required prerequisites to use SharePoint Foundation 2010.
2. Run Setup, which installs binaries, configures security permissions, and sets registry settings for Microsoft SharePoint Foundation.
3. Run SharePoint Products Configuration Wizard, which installs and configures the configuration database, the content database, and installs the SharePoint Central Administration Web site.
4. Configure browser settings.
5. Run the Farm Configuration Wizard, which configures the farm, creates the first site collection, and selects the services that you want to use in the farm.
6. Perform post-installation steps.

---

 **Important:**

To complete the following procedures, you must be a member of the Administrators group on the local computer.

### **Run the Microsoft SharePoint Products Preparation Tool**

Use the following procedure to install software prerequisites for SharePoint Foundation 2010.

#### **To run the Microsoft SharePoint Products Preparation Tool**

1. Insert your SharePoint Foundation 2010 installation disc.
2. On the SharePoint Foundation 2010 Start page, click **Install software prerequisites**.

 **Note:**

Because the preparation tool downloads components from the Microsoft Download Center, you must have Internet access on the computer on which you are installing Microsoft SharePoint Foundation.

3. On the Welcome to the Microsoft SharePoint Products Preparation Tool page, click **Next**.
4. On the License Terms for software product page, review the terms, select the **I accept the terms of the License Agreement(s)** check box, and then click **Next**.
5. On the Installation Complete page, click **Finish**.

### **Run Setup**

The following procedure installs binaries, configures security permissions, and sets registry settings for SharePoint Foundation 2010.

#### **To run Setup**

1. On the SharePoint Foundation 2010 Start page, click **Install SharePoint Foundation**.
2. On the Read the Microsoft Software License Terms page, review the terms, select the **I accept the terms of this agreement** check box, and then click **Continue**.
3. On the Choose the installation you want page, click **Server farm**.
4. On the **Server Type** tab, click **Complete**.
5. Optional: To install SharePoint Foundation 2010 at a custom location, click the **Data Location** tab, and then either type the location or click **Browse** to find the location.
6. Click **Install Now**.
7. When Setup finishes, click **Close**.

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 **Note:**

If Setup fails, check the TEMP folder of the user who ran Setup. Ensure that you are logged in as the user who ran Setup, and then type **%temp%** in the location bar in Windows Explorer. If the path **%temp%** resolves to a location that ends in a "1" or "2", you will need to navigate up one level to view the log files. The log file name is Microsoft SharePoint Foundation 2010 Setup (<timestamp>).

 **Tip:**

To access the SharePoint Products Configuration Wizard, click **Start**, point to **All Programs**, and then click **Microsoft SharePoint 2010 Products**. If the **User Account Control** dialog box appears, click **Continue**.

## Run the SharePoint Products Configuration Wizard

The following procedure installs and configures the configuration database, the content database, and installs the SharePoint Central Administration Web site.

### To run the SharePoint Products Configuration Wizard

1. On the Welcome to SharePoint Products page, click **Next**.
2. In the dialog box that notifies you that some services might need to be restarted during configuration, click **Yes**.
3. On the Connect to a server farm page, click **Create a new server farm**, and then click **Next**.
4. On the Specify Configuration Database Settings page, do the following:
  - a) In the **Database server** box, type the name of the computer that is running SQL Server.
  - b) In the **Database name** box, type a name for your configuration database, or use the default database name. The default name is SharePoint\_Config.
  - c) In the **Username** box, type the user name of the server farm account. Ensure that you type the user name in the format DOMAIN\user name.

---

 **Important:**

The server farm account is used to create and access your configuration database. It also acts as the application pool identity account for the SharePoint Central Administration application pool, and it is the account under which the Microsoft SharePoint Foundation Workflow Timer service runs. The SharePoint Products Configuration Wizard adds this account to the SQL Server Login accounts, the SQL Server **dbcreator** server role, and the SQL Server **securityadmin** server role. The user account that you specify as the service account must be a domain user account, but it does not need to be a member of any specific security group on your front-end Web servers or your database servers. We recommend that you follow the principle of least privilege and specify a user account that is not a member of the Administrators group on your front-end Web servers or your database servers.

- d) In the **Password** box, type the user password.
5. Click **Next**.
6. On the Specify Farm Security Settings page, type a passphrase, and then click **Next**.  
Ensure that the passphrase meets the following criteria:
  - Contains at least eight characters
  - Contains at least three of the following four character groups:
    - English uppercase characters (from A through Z)
    - English lowercase characters (from a through z)
    - Numerals (from 0 through 9)
    - Nonalphabetic characters (such as !, \$, #, %)

 **Note:**

Although a passphrase is similar to a password, it is usually longer to enhance security. It is used to encrypt credentials of accounts that are registered in Microsoft SharePoint Foundation; for example, the Microsoft SharePoint Foundation system account that you provide when you run the SharePoint Products Configuration Wizard. Ensure that you remember the passphrase, because you must use it each time you add a server to the farm.

7. On the Configure SharePoint Central Administration Web Application page, do the following:
  - a) Either select the **Specify port number** check box and type the port number you want the SharePoint Central Administration Web application to use, or leave the **Specify port number** check box cleared if you want to use the default port number.
  - b) Click either **NTLM** or **Negotiate (Kerberos)**.
8. Click **Next**.
9. On the Completing the SharePoint Products Configuration Wizard page, review your configuration settings to verify that they are correct, and then click **Next**.

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 **Note:**

If you want to automatically create unique accounts for users in Active Directory Domain Services (AD DS), click **Advanced Settings**, and enable Active Directory account creation.

10. On the Configuration Successful page, click **Finish**.

 **Note:**

If the SharePoint Products Configuration Wizard fails, check the PSCDiagnostics log files, which are located on the drive on which SharePoint Foundation is installed, in the %COMMONPROGRAMFILES%\Microsoft Shared\Web Server Extensions\14\LOGS folder.

 **Note:**

If you are prompted for your user name and password, you might need to add the SharePoint Central Administration Web site to the list of trusted sites and configure user authentication settings in Internet Explorer. You might also want to disable the Internet Explorer Enhanced Security settings. Instructions for how to configure or disable these settings are provided in the following section.

 **Note:**

If you see a proxy server error message, you might need to configure your proxy server settings so that local addresses bypass the proxy server. Instructions for configuring proxy server settings are provided later in the following section.

## Configure browser settings

After you run the SharePoint Products Configuration Wizard, you should ensure that SharePoint Foundation 2010 works properly for local administrators in your environment by configuring additional settings in Internet Explorer.

 **Note:**

If local administrators are not using Internet Explorer, you might need to configure additional settings. For information about supported browsers, see [Plan browser support \(SharePoint Foundation 2010\)](#).

If you are prompted for your user name and password, perform the following procedures:

- Add the SharePoint Central Administration Web site to the list of trusted sites
- Disable Internet Explorer Enhanced Security settings

If you receive a proxy server error message, perform the following procedure:

- Configure proxy server settings to bypass the proxy server for local addresses

For more information, see [Getting Started with IEAK 8](#) (<http://go.microsoft.com/fwlink/?LinkId=151359&clcid=0x409>).

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## To add the SharePoint Central Administration Web site to the list of trusted sites

1. In Internet Explorer, on the **Tools** menu, click **Internet Options**.
2. On the **Security** tab, in the **Select a zone to view or change security settings** area, click **Trusted Sites**, and then click **Sites**.
3. Clear the **Require server verification (https:) for all sites in this zone** check box.
4. In the **Add this Web site to the zone** box, type the URL to your site, and then click **Add**.
5. Click **Close** to close the **Trusted Sites** dialog box.
6. Click **OK** to close the **Internet Options** dialog box.

## To disable Internet Explorer Enhanced Security settings

1. Click **Start**, point to **All Programs**, point to **Administrative Tools**, and then click **Server Manager**.
2. In **Server Manager**, select the root of **Server Manager**.
3. In the **Security Information** section, click **Configure IE ESC**.  
The **Internet Explorer Enhanced Security Configuration** dialog box opens.
4. In the **Administrators** section, click **Off** to disable the Internet Explorer Enhanced Security settings, and then click **OK**.

## To configure proxy server settings to bypass the proxy server for local addresses

1. In Internet Explorer, on the **Tools** menu, click **Internet Options**.
2. On the **Connections** tab, in the **Local Area Network (LAN) settings** area, click **LAN Settings**.
3. In the **Automatic configuration** area, clear the **Automatically detect settings** check box.
4. In the **Proxy Server** area, select the **Use a proxy server for your LAN** check box.
5. Type the address of the proxy server in the **Address** box.
6. Type the port number of the proxy server in the **Port** box.
7. Select the **Bypass proxy server for local addresses** check box.
8. Click **OK** to close the **Local Area Network (LAN) Settings** dialog box.
9. Click **OK** to close the **Internet Options** dialog box.

## Run the Farm Configuration Wizard

You have now completed Setup and the initial configuration of SharePoint Foundation 2010. You have created the SharePoint Central Administration Web site.

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You can now create your farm and sites, and you can select services by using the Farm Configuration Wizard.

### To run the Farm Configuration Wizard

1. On the SharePoint Central Administration Web site, on the Configuration Wizards page, click **Launch the Farm Configuration Wizard**.
2. On the Help Make SharePoint Better page, click one of the following options, and then click **OK**:
  - **Yes, I am willing to participate (Recommended.)**
  - **No, I don't want to participate.**
3. On the Configure your SharePoint farm page, click **Walk me through the settings using this wizard**, and then click **Next**.
4. In the **Service Account** section, click a service account that you want to use to configure your services.

 **Note:**

For security reasons, we recommend that you use a different account from the farm administrator account to configure services in the farm.

If you decide to use an existing managed account — that is, an account that SharePoint Foundation is aware of — ensure that you click that option before you continue.

5. Select the services that you want to use in the farm, and then click **Next**.

 **Note:**

For more information, see [Configure services \(SharePoint Foundation 2010\)](http://technet.microsoft.com/library/88da9bdb-b7c2-4174-997b-d767b9b9c9ea(Office.14).aspx) ([http://technet.microsoft.com/library/88da9bdb-b7c2-4174-997b-d767b9b9c9ea\(Office.14\).aspx](http://technet.microsoft.com/library/88da9bdb-b7c2-4174-997b-d767b9b9c9ea(Office.14).aspx)). If you are using Microsoft Office Web Apps, see [Office Web Apps \(Installed on SharePoint 2010 Products\)](http://technet.microsoft.com/library/8a58e6c2-9a0e-4355-ae41-4df25e5e6eee(Office.14).aspx) ([http://technet.microsoft.com/library/8a58e6c2-9a0e-4355-ae41-4df25e5e6eee\(Office.14\).aspx](http://technet.microsoft.com/library/8a58e6c2-9a0e-4355-ae41-4df25e5e6eee(Office.14).aspx)).

6. On the Create Site Collection page, do the following:
  - a) In the **Title and Description** section, in the **Title** box, type the name of your new site.
  - b) Optional: In the **Description** box, type a description of what the site contains.
  - c) In the **Web Site Address** section, select a URL path for the site.
  - d) In the **Template Selection** section, in the **Select a template** list, select the template that you want to use for the top-level site in the site collection.

 **Note:**

To view a template or a description of a template, click any template in the **Select a template** list.

7. Click **OK**.
8. On the Configure your SharePoint farm page, review the summary of the farm configuration, and then click **Finish**.

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## Post-installation steps

After you install and configure SharePoint Foundation 2010, your browser window opens to the Central Administration Web site of your new SharePoint site. Although you can start adding content to the site or customizing the site,

we recommend that you first perform the following administrative tasks by using the SharePoint Central Administration Web site.

- **Configure usage and health data collection** You can configure usage and health data collection in your server farm. The system writes usage and health data to the logging folder and to the logging database.  
For more information, see [Configure usage and health data collection \(SharePoint Foundation 2010\)](http://technet.microsoft.com/library/5c97fd40-008a-4fbc-8b3a-98244d8f0016(Office.14).aspx) ([http://technet.microsoft.com/library/5c97fd40-008a-4fbc-8b3a-98244d8f0016\(Office.14\).aspx](http://technet.microsoft.com/library/5c97fd40-008a-4fbc-8b3a-98244d8f0016(Office.14).aspx)).
- **Configure diagnostic logging** You can configure diagnostic logging that might be required after initial deployment or upgrade. The default settings are sufficient for most situations, but depending upon the business needs and lifecycle of the farm, you might want to change these settings.  
For more information, see [Configure diagnostic logging \(SharePoint Foundation 2010\)](http://technet.microsoft.com/library/a5641210-8224-4e11-9d93-4f96fa4c327c(Office.14).aspx) ([http://technet.microsoft.com/library/a5641210-8224-4e11-9d93-4f96fa4c327c\(Office.14\).aspx](http://technet.microsoft.com/library/a5641210-8224-4e11-9d93-4f96fa4c327c(Office.14).aspx)).
- **Configure incoming e-mail** You can configure incoming e-mail so that SharePoint sites accept and archive incoming e-mail. You can also configure incoming e-mail so that SharePoint sites can archive e-mail discussions as they happen, save e-mailed documents, and show e-mailed meetings on site calendars. In addition, you can configure the SharePoint Directory Management Service to provide support for e-mail distribution list creation and management.  
For more information, see [Configure incoming e-mail \(SharePoint Foundation 2010\)](http://technet.microsoft.com/library/445dd72e-a63b-46d0-b92d-bcf0aa9d8d06(Office.14).aspx) ([http://technet.microsoft.com/library/445dd72e-a63b-46d0-b92d-bcf0aa9d8d06\(Office.14\).aspx](http://technet.microsoft.com/library/445dd72e-a63b-46d0-b92d-bcf0aa9d8d06(Office.14).aspx)).
- **Configure outgoing e-mail** You can configure outgoing e-mail so that your Simple Mail Transfer Protocol (SMTP) server sends e-mail alerts to site users and notifications to site administrators. You can configure both the "From" e-mail address and the "Reply" e-mail address that appear in outgoing alerts.  
For more information, see [Configure outgoing e-mail \(SharePoint Foundation 2010\)](http://technet.microsoft.com/library/ebb924d4-b9a2-4e40-bcb3-0ee582cc5a21(Office.14).aspx) ([http://technet.microsoft.com/library/ebb924d4-b9a2-4e40-bcb3-0ee582cc5a21\(Office.14\).aspx](http://technet.microsoft.com/library/ebb924d4-b9a2-4e40-bcb3-0ee582cc5a21(Office.14).aspx)).
- **Configure a mobile account** You can configure a mobile account so that SharePoint sends text message (SMS) alerts to your, or site users', mobile phones.  
For more information, see [Configure a mobile account \(SharePoint Foundation 2010\)](http://technet.microsoft.com/library/36d537dc-2726-4594-a6e6-f7b2c035179f(Office.14).aspx) ([http://technet.microsoft.com/library/36d537dc-2726-4594-a6e6-f7b2c035179f\(Office.14\).aspx](http://technet.microsoft.com/library/36d537dc-2726-4594-a6e6-f7b2c035179f(Office.14).aspx)).

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- **Install and configure Remote BLOB Storage** You can install and configure Remote BLOB Storage (RBS) for an instance of SQL Server 2008 that supports a SharePoint farm.  
For more information, see [Install and configure Remote BLOB Storage \(SharePoint Foundation 2010\)](http://technet.microsoft.com/library/6348e3a7-e2f4-4321-b145-da42269883aa(Office.14).aspx) ([http://technet.microsoft.com/library/6348e3a7-e2f4-4321-b145-da42269883aa\(Office.14\).aspx](http://technet.microsoft.com/library/6348e3a7-e2f4-4321-b145-da42269883aa(Office.14).aspx)).  
**\*\*\*BEGIN MOSS ONLY\*\*\***

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# Deploy a single server with a built-in database (SharePoint Foundation 2010)

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Published: May 12, 2010

This article describes how to perform a clean installation of Microsoft SharePoint Foundation 2010 on a single server with a built-in database.

In this article:

- [Overview](#)
- [Before you begin](#)
- [Install SharePoint Foundation 2010](#)
- [Post-installation steps](#)
- [Configure Windows Server Backup](#)

## Overview

You can quickly publish a SharePoint site by deploying SharePoint Foundation 2010 on a single server with a built-in database. This configuration is useful if you want to evaluate SharePoint Foundation 2010 features and capabilities, such as collaboration, document management, and search. This configuration is also useful if you are deploying a small number of Web sites and you want to minimize administrative overhead. When you deploy SharePoint Foundation 2010 on a single server with a built-in database by using the default settings, Setup installs Microsoft SQL Server 2008 Express and the SharePoint product, and then the SharePoint Products Configuration Wizard creates the configuration database and content database for your SharePoint sites. Additionally, the SharePoint Products Configuration Wizard installs the SharePoint Central Administration Web site and creates your first SharePoint site collection.

### Note:

This article does not describe how to install SharePoint Foundation 2010 in a farm environment, or how to upgrade from previous releases of SharePoint Foundation. For more information about installing SharePoint Foundation 2010 on a single server farm, see [Deploy a single server with SQL Server \(SharePoint Foundation 2010\)](#). For more information about installing SharePoint Foundation 2010 on a multiple server farm, see [Multiple servers for a three tier farm \(SharePoint Foundation 2010\)](#) ([http://technet.microsoft.com/library/246fb1c9-660e-40b5-860b-7d681f04505a\(Office.14\).aspx](http://technet.microsoft.com/library/246fb1c9-660e-40b5-860b-7d681f04505a(Office.14).aspx)). For more information about upgrade, see [Upgrading to SharePoint Foundation 2010](#) ([http://technet.microsoft.com/library/91046a84-57a1-40cb-a32c-ff3395073dc9\(Office.14\).aspx](http://technet.microsoft.com/library/91046a84-57a1-40cb-a32c-ff3395073dc9(Office.14).aspx)).

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Consider the following restrictions of this method of installation:

- You cannot install the single server with built-in database version of SharePoint Foundation on a domain controller.
- A SQL Server 2008 Express database cannot be larger than 4 GB.

## Before you begin

Before you begin deployment, ensure that you have met all hardware and software requirements. For more information, see [Hardware and software requirements \(SharePoint Foundation 2010\)](#). Also, ensure that you perform a clean installation of SharePoint Foundation 2010. You cannot install the RTM version of SharePoint Foundation 2010 without first removing the beta version of SharePoint Foundation 2010.

## Install SharePoint Foundation 2010

To install and configure SharePoint Foundation 2010, follow these steps:

1. Run the Microsoft SharePoint Products Preparation Tool, which installs all prerequisites to use SharePoint Foundation 2010.
2. Run Setup, which installs SQL Server 2008 Express and the SharePoint product.
3. Run SharePoint Products Configuration Wizard, which installs the SharePoint Central Administration Web site and creates your first SharePoint site collection.
4. Configure browser settings.
5. Perform post-installation steps.

### Important:

To complete the following procedures, you must be a member of the Administrators group on the local computer.

## Run the Microsoft SharePoint Products Preparation Tool

Use the following procedure to install software prerequisites for SharePoint Foundation 2010.

### To run the Microsoft SharePoint Products Preparation Tool

1. Insert your SharePoint Foundation 2010 installation disc.
2. On the SharePoint Foundation 2010 Start page, click **Install software prerequisites**.

#### Note:

Because the preparation tool downloads components from the Microsoft Download Center, you must have Internet access on the computer on which you are installing SharePoint Foundation.

3. On the Welcome to the Microsoft SharePoint Products Preparation Tool page, click **Next**.
4. On the Installation Complete page, click **Finish**.

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## Run Setup

The following procedure installs SQL Server 2008 Express and the SharePoint product. At the end of Setup, you can choose to start the SharePoint Products Configuration Wizard, which is described later in this section.

### To run Setup

1. On the SharePoint Foundation 2010 Start page, click **Install SharePoint Foundation**.
2. On the Read the Microsoft Software License Terms page, review the terms, select the **I accept the terms of this agreement** check box, and then click **Continue**.
3. On the Choose the installation you want page, click **Standalone**.
4. When Setup finishes, a dialog box prompts you to complete the configuration of your server. Ensure that the **Run the SharePoint Products Configuration Wizard now** check box is selected.
5. Click **Close** to start the configuration wizard.

#### **Note:**

If Setup fails, check the TEMP folder of the user who ran Setup. Ensure that you are logged in as the user who ran Setup, and then type **%temp%** in the location bar in Windows Explorer. If the path **%temp%** resolves to a location that ends in a "1" or "2", you will need to navigate up one level to view the log files. The log file name is Microsoft SharePoint Foundation 2010 Setup (<timestamp>).

#### **Tip:**

To access the SharePoint Products Configuration Wizard, click **Start**, point to **All Programs**, and then click **Microsoft SharePoint 2010 Products**. If the **User Account Control** dialog box appears, click **Continue**.

## Run the SharePoint Products Configuration Wizard

The following procedure installs and configures the configuration database, the content database, and installs the SharePoint Central Administration Web site. It also creates your first SharePoint site collection.

### To run the SharePoint Products Configuration Wizard

1. On the Welcome to SharePoint Products page, click **Next**.
2. In the dialog box that notifies you that some services might need to be restarted during configuration, click **Yes**.
3. On the Configuration Successful page, click **Finish**.

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 **Note:**

If the SharePoint Products Configuration Wizard fails, check the PSCDiagnostics log files, which are located on the drive on which SharePoint Foundation is installed, in the %COMMONPROGRAMFILES%\Microsoft Shared\Web Server Extensions\14\LOGS folder.

 **Note:**

If you are prompted for your user name and password, you might need to add the SharePoint Central Administration Web site to the list of trusted sites and configure user authentication settings in Internet Explorer. You might also want to disable the Internet Explorer Enhanced Security settings. Instructions for how to configure or disable these settings are provided in the following section.

 **Note:**

If you see a proxy server error message, you might need to configure your proxy server settings so that local addresses bypass the proxy server. Instructions for configuring proxy server settings are provided later in the following section.

## Configure browser settings

After you run the SharePoint Products Configuration Wizard, you should ensure that SharePoint Foundation works properly for local administrators in your environment by configuring additional settings in Internet Explorer.

 **Note:**

If local administrators are not using Internet Explorer, you might need to configure additional settings. For information about supported browsers, see [Plan browser support \(SharePoint Foundation 2010\)](#).

If you are prompted for your user name and password, perform the following procedures:

- Add the SharePoint Central Administration Web site to the list of trusted sites
- Disable Internet Explorer Enhanced Security settings

If you receive a proxy server error message, perform the following procedure:

- Configure proxy server settings to bypass the proxy server for local addresses

For more information, see [Getting Started with IEAK 8](#) (<http://go.microsoft.com/fwlink/?LinkId=151359&clcid=0x409>).

## To add the SharePoint Central Administration Web site to the list of trusted sites

1. In Internet Explorer, on the **Tools** menu, click **Internet Options**.
2. On the **Security** tab, in the **Select a zone to view or change security settings** area, click **Trusted Sites**, and then click **Sites**.

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3. Clear the **Require server verification (https:) for all sites in this zone** check box.
  4. In the **Add this Web site to the zone** box, type the URL to your site, and then click **Add**.
  5. Click **Close** to close the **Trusted Sites** dialog box.
  6. Click **OK** to close the **Internet Options** dialog box.
- If you are using a proxy server in your organization, use the following steps to configure Internet Explorer to bypass the proxy server for local addresses.

### **To disable Internet Explorer Enhanced Security settings**

1. Click **Start**, point to **All Programs**, point to **Administrative Tools**, and then click **Server Manager**.
2. In **Server Manager**, select the root of **Server Manager**.
3. In the **Security Information** section, click **Configure IE ESC**.  
The **Internet Explorer Enhanced Security Configuration** dialog box opens.
4. In the **Administrators** section, click **Off** to disable the Internet Explorer Enhanced Security settings, and then click **OK**.

### **To configure proxy server settings to bypass the proxy server for local addresses**

1. In Internet Explorer, on the **Tools** menu, click **Internet Options**.
2. On the **Connections** tab, in the **Local Area Network (LAN) settings** area, click **LAN Settings**.
3. In the **Automatic configuration** area, clear the **Automatically detect settings** check box.
4. In the **Proxy Server** area, select the **Use a proxy server for your LAN** check box.
5. Type the address of the proxy server in the **Address** box.
6. Type the port number of the proxy server in the **Port** box.
7. Select the **Bypass proxy server for local addresses** check box.
8. Click **OK** to close the **Local Area Network (LAN) Settings** dialog box.
9. Click **OK** to close the **Internet Options** dialog box.

## **Post-installation steps**

After you install SharePoint Foundation 2010, your browser window opens to the Central Administration Web site of your new SharePoint site. Although you can start adding content to the site or you can start customizing the site,

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we recommend that you first perform the following administrative tasks by using the SharePoint Central Administration Web site:

- **Configure usage and health data collection** You can configure usage and health data collection in your server farm. The system writes usage and health data to the logging folder and to the logging database.  
For more information, see [Configure usage and health data collection \(SharePoint Foundation 2010\)](http://technet.microsoft.com/library/5c97fd40-008a-4fbc-8b3a-98244d8f0016(Office.14).aspx) ([http://technet.microsoft.com/library/5c97fd40-008a-4fbc-8b3a-98244d8f0016\(Office.14\).aspx](http://technet.microsoft.com/library/5c97fd40-008a-4fbc-8b3a-98244d8f0016(Office.14).aspx)).
- **Configure diagnostic logging** You can configure diagnostic logging that might be required after initial deployment or upgrade. The default settings are sufficient for most situations, but depending upon the business needs and lifecycle of the farm, you might want to change these settings. For more information, see [Configure diagnostic logging \(SharePoint Foundation 2010\)](http://technet.microsoft.com/library/a5641210-8224-4e11-9d93-4f96fa4c327c(Office.14).aspx) ([http://technet.microsoft.com/library/a5641210-8224-4e11-9d93-4f96fa4c327c\(Office.14\).aspx](http://technet.microsoft.com/library/a5641210-8224-4e11-9d93-4f96fa4c327c(Office.14).aspx)).
- **Configure incoming e-mail** You can configure incoming e-mail so that SharePoint sites accept and archive incoming e-mail. You can also configure incoming e-mail so that SharePoint sites can archive e-mail discussions as they happen, save e-mailed documents, and show e-mailed meetings on site calendars. In addition, you can configure the SharePoint Directory Management Service to provide support for e-mail distribution list creation and management. For more information, see [Configure incoming e-mail \(SharePoint Foundation 2010\)](http://technet.microsoft.com/library/445dd72e-a63b-46d0-b92d-bcf0aa9d8d06(Office.14).aspx) ([http://technet.microsoft.com/library/445dd72e-a63b-46d0-b92d-bcf0aa9d8d06\(Office.14\).aspx](http://technet.microsoft.com/library/445dd72e-a63b-46d0-b92d-bcf0aa9d8d06(Office.14).aspx)).
- **Configure outgoing e-mail** You can configure outgoing e-mail so that your Simple Mail Transfer Protocol (SMTP) server sends e-mail alerts to site users and notifications to site administrators. You can configure both the "From" e-mail address and the "Reply" e-mail address that appear in outgoing alerts. For more information, see [Configure outgoing e-mail \(SharePoint Foundation 2010\)](http://technet.microsoft.com/library/ebb924d4-b9a2-4e40-bcb3-0ee582cc5a21(Office.14).aspx) ([http://technet.microsoft.com/library/ebb924d4-b9a2-4e40-bcb3-0ee582cc5a21\(Office.14\).aspx](http://technet.microsoft.com/library/ebb924d4-b9a2-4e40-bcb3-0ee582cc5a21(Office.14).aspx)).
- **Configure a mobile account** You can configure a mobile account so that SharePoint sends text message (SMS) alerts to your, or site users', mobile phones. For more information, see [Configure a mobile account \(SharePoint Foundation 2010\)](http://technet.microsoft.com/library/36d537dc-2726-4594-a6e6-f7b2c035179f(Office.14).aspx) ([http://technet.microsoft.com/library/36d537dc-2726-4594-a6e6-f7b2c035179f\(Office.14\).aspx](http://technet.microsoft.com/library/36d537dc-2726-4594-a6e6-f7b2c035179f(Office.14).aspx)).
- **Install and configure Remote BLOB Storage** You can install and configure Remote BLOB Storage (RBS) for an instance of SQL Server 2008 that supports a SharePoint server farm. For more information, see [Install and configure Remote BLOB Storage \(SharePoint Foundation 2010\)](http://technet.microsoft.com/library/6348e3a7-e2f4-4321-b145-da42269883aa(Office.14).aspx) ([http://technet.microsoft.com/library/6348e3a7-e2f4-4321-b145-da42269883aa\(Office.14\).aspx](http://technet.microsoft.com/library/6348e3a7-e2f4-4321-b145-da42269883aa(Office.14).aspx)).

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## Configure Windows Server Backup

If you want to use Windows Server Backup with SharePoint Foundation 2010, you must register the SharePoint 2010 VSS Writer with Windows Server Backup by running the **stsadm -o registerwsswriter** command. For more information, see [Registerwsswriter: Stsadm operation \(Windows SharePoint Services\)](http://technet.microsoft.com/en-us/library/cc287616.aspx) (<http://technet.microsoft.com/en-us/library/cc287616.aspx>).

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# Roadmap to SharePoint Foundation 2010 content

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This article describes the content available for IT professionals to assist you when you are planning, deploying, administering, and troubleshooting SharePoint Foundation 2010. For SharePoint Foundation 2010 developer content, see the [SharePoint Developer Center](http://go.microsoft.com/fwlink/?LinkId=159918) (<http://go.microsoft.com/fwlink/?LinkId=159918>).

## Content resources

The [SharePoint Foundation 2010 TechCenter](http://go.microsoft.com/fwlink/?LinkId=188950) (<http://go.microsoft.com/fwlink/?LinkId=188950>) is your primary gateway to in-depth technical information about SharePoint Foundation 2010. Through the TechCenter, you can access the following:

- [SharePoint Foundation 2010 Resource Centers](http://go.microsoft.com/fwlink/?LinkId=188951) (<http://go.microsoft.com/fwlink/?LinkId=188951>) Resource centers provide specific links to more information specific to a particular feature of SharePoint Foundation 2010. You can find resource centers for features such as installation and deployment, Business Connectivity Services, enterprise content management, and enterprise search, to name a few.
- [SharePoint Foundation 2010 Downloads](http://go.microsoft.com/fwlink/?LinkId=188952) (<http://go.microsoft.com/fwlink/?LinkId=188952>) Go to this page to download service packs, add-ins, tools, and trial software to help you optimize your SharePoint Foundation organization.
- [SharePoint Foundation 2010 library](http://technet.microsoft.com/library/7019bcb6-43fe-455b-889d-b845cb43286f(Office.14).aspx) ([http://technet.microsoft.com/library/7019bcb6-43fe-455b-889d-b845cb43286f\(Office.14\).aspx](http://technet.microsoft.com/library/7019bcb6-43fe-455b-889d-b845cb43286f(Office.14).aspx)) The library contains the most up-to-date IT pro content. This content is reviewed and approved by the SharePoint Foundation product team and will evolve over the life cycle of SharePoint Foundation 2010. Also make sure that you check out [Newly published content for SharePoint Foundation 2010](http://technet.microsoft.com/library/8a9690e4-6917-4aab-82ce-cd8e989a2053(Office.14).aspx) ([http://technet.microsoft.com/library/8a9690e4-6917-4aab-82ce-cd8e989a2053\(Office.14\).aspx](http://technet.microsoft.com/library/8a9690e4-6917-4aab-82ce-cd8e989a2053(Office.14).aspx)) in the library. This article contains a list of new or updated library content and is also available as an [RSS feed](http://go.microsoft.com/fwlink/?LinkId=188953). (<http://go.microsoft.com/fwlink/?LinkId=188953>). It is updated whenever a new article is published or an existing article is updated.
- [SharePoint Foundation 2010 support](http://go.microsoft.com/fwlink/?LinkId=188954) (<http://go.microsoft.com/fwlink/?LinkId=188954>) Locate support and troubleshooting resources for SharePoint Foundation. You can search the Microsoft Knowledge Base, TechNet, or blogs for additional help.

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## Offline resources

If you are working offline and need access to library articles, the following option is available to you:

- [SharePoint Foundation 2010 Beta Technical Library in Compiled Help format](http://go.microsoft.com/fwlink/?LinkId=188955) (<http://go.microsoft.com/fwlink/?LinkId=188955>) This downloadable .chm file is updated monthly and includes all articles published to the library as of the .chm file's release date.

## Additional resources

The following visual resources supplement the library articles and can assist you when you plan your projects:

- [Technical diagrams \(SharePoint Foundation 2010\)](http://technet.microsoft.com/library/99462701-d16a-4477-af4e-36c8f5083dbf(Office.14).aspx) ([http://technet.microsoft.com/library/99462701-d16a-4477-af4e-36c8f5083dbf\(Office.14\).aspx](http://technet.microsoft.com/library/99462701-d16a-4477-af4e-36c8f5083dbf(Office.14).aspx)) These poster-size models provide a visual representation of recommended solutions and correspond to various articles in the library. You can modify these models by using Microsoft Office Visio 2007 to reflect your plans for SharePoint Foundation and how it will fit into your own environment.

## Community resources

You can use the community resources to learn more about SharePoint Foundation 2010 and to foster discussion, ask questions, and exchange ideas about your experiences with SharePoint Foundation 2010:

- [Microsoft SharePoint Team Blog](http://go.microsoft.com/fwlink/?LinkId=82560) (<http://go.microsoft.com/fwlink/?LinkId=82560>) This is the official blog of the SharePoint product group. It includes articles written by members of the product team, and product announcements and updates.
- [To The SharePoint](http://go.microsoft.com/fwlink/?LinkId=188956) (<http://go.microsoft.com/fwlink/?LinkId=188956>) This is the IT pro documentation team blog. This blog includes documentation highlights and announcements for SharePoint Foundation 2010.
- [SharePoint 2010 forums](http://go.microsoft.com/fwlink/?LinkId=188957) (<http://go.microsoft.com/fwlink/?LinkId=188957>) The forum provides a place for users and SharePoint Foundation product team members to discuss the product.