

## SharePoint 2010 - hardware and software requirements

At a high-level, the key requirements for Project Server 2010 are as follows:

- The 64-bit version of Windows Server 2008 Service Pack 2 or Windows Server 2008 R2
- Microsoft SharePoint Server 2010 Enterprise version
- For a farm deployment, database servers must be the 64-bit version of Microsoft SQL Server 2008 with Service Pack 1 (SP1) and Cumulative Update 2, Microsoft SQL Server 2008 With Service Pack 2, Microsoft SQL Server 2008 R2, Microsoft SQL Server 2005 with Service Pack 3 (SP3)
- Microsoft Internet Explorer 7 or Microsoft Internet Explorer 8 for Microsoft Project Web App user access

### Hardware requirements—Web servers, Application servers

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

Component	Minimum requirement
Processor	64-bit, four cores
RAM	4 GB for developer or evaluation installation 8 GB for production use in a single server or multiple-server farm
Hard disk	80 GB for installation 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.
Hyper-V Virtualization	Supported
Other	DVD drive

## **Hardware requirements—Database servers**

<b>Component</b>	<b>Minimum requirement</b>
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>
Hard disk	80 GB for system drive Hard disk space depends on the size of the SharePoint content

## **Software requirements**

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

The Microsoft SharePoint Products and Technologies 2010 Preparation Tool — which you access from the SharePoint Server 2010 Start page — can assist you in the installation of the software prerequisites for SharePoint Server 2010. Ensure that you have an Internet connection, because some of these prerequisites are installed from the Internet.

## **Installing software prerequisites**

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 Server 2010 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 activated manually in Server Manager.

- Web Server (IIS) role
- Application Server role
- Microsoft .NET Framework version 3.5 SP1
- Microsoft SQL Server 2008 Express with SP1
- Microsoft Sync Framework Runtime v1.0 (x64)
- Microsoft Filter Pack 2.0

- Microsoft Chart Controls for the Microsoft .NET Framework 3.5
- Windows PowerShell 2.0
- SQL Server 2008 Native Client
- Microsoft SQL Server 2008 Analysis Services ADOMD.NET
- ADO.NET Data Services Update for .NET Framework 3.5 SP1
- 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.
- Windows Identity Foundation (WIF)
- SQL Server 2005 Management Object Collection
- Microsoft SQL Server 2008 Management Objects

#### **Notes:**

Project Web App - Microsoft Internet Explorer 7 or Microsoft Internet Explorer 8.

#### **SQL Server Updates**

- If you install SQL Server 2005 SP3, you must use Cumulative update package 3 for SQL Server 2005 Service Pack
- If you install Microsoft SQL Server 2008 SP1, you must install Cumulative update package 2 for SQL Server 2008 Service Pack 1
- The 64-bit edition of Microsoft SQL Server 2008 SP2. This version includes updates in SQL Server
- The 64-bit edition of Microsoft SQL Server 2008 R2. This version includes updates in SQL Server 2008 Reporting Services (SSRS) and the Power Pivot for Excel feature

#### **Windows Server 2008 Updates**

- The 64-bit edition of Windows Server 2008 Standard, Enterprise, Data Center, or Web Server with SP2; or the 64-bit edition of Windows Server 2008 R2 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
- You must download an update for Windows Server 2008 and Windows Server 2008 R2 before you run Setup, or Setup will not run. The update is a hotfix for .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

### **Microsoft Project Professional 2010 system requirements**

<b>Component</b>	<b>Requirement</b>
Computer and processor	700-megahertz (MHz) processor or higher
Memory	512 megabytes (MB) RAM or higher
Hard disk	2 gigabyte (GB) available disk space
Display	1024 × 768 or higher resolution monitor
Operating system	Windows XP with Service Pack (SP) 3 (32-bit), Windows Vista with SP1, Windows Server 2003 R2 with MSXML 6.0, Windows Server 2008 or later (32-bit or 64-bit), Windows 7 or later operating systems.
Other	<ul style="list-style-type: none"> <li>Windows Server 2008 with SP2 (64-bit) or later running Microsoft SharePoint Server 2010 is required for certain advanced collaboration functionality. Office Outlook 2003 SP2 or later is required to use the Import Outlook Tasks feature. Visual Reports require Office Excel 2003 SP2 or later and Microsoft Office Visio Professional 2007 or later.</li> <li>Microsoft Project Server 2010 is required for Enterprise Project, portfolio, and resource management capabilities. Microsoft Project Web App and Microsoft Exchange Server 2007 SP1 or later are required for importing tasks to the Outlook calendar or tasks list.</li> <li>SharePoint Server 2010 (installed with Project Server 2010) is required for publishing projects and Windows Workflow Foundation. Microsoft .NET Framework version 3.5 is required for the Resource Substitution Wizard.</li> <li>Use of graphics hardware acceleration requires DirectX 9.0c compatible graphics card with drivers dated 11/1/2004 or later.</li> <li>Internet Explorer 7 or later. Internet functionality requires Internet access (fees might apply).</li> <li>To enable the feature that allows synchronizing Project 2010 with a SharePoint task list, you must install either Microsoft Access 2010 or Microsoft Visio 2010.</li> </ul>