Brief

**Microsoft Software License Dependency Reference Guide** **September 2010**

**Corporate Academic ♦ Open License♦ Open License Value ♦ Select License ♦ Academic Select ♦ Enterprise Agreement**

# Summary

The Microsoft Software Product License Dependency Reference Guide helps provide Microsoft Volume Licensing (VL) program customers with a list of Microsoft software and the associated dependent Microsoft software licenses that are required for the use that software. This is sometimes referred to as the “software stack”.

**What’s New in this Brief**

* This brief replaces a previous version published in July 2010. Significant changes in this new version include:
  + Updated references to Lync Server (formerly Office Communications Server)

**Details**

The information provided in this License Dependency Reference Guide is intended to help you understand the licensing requirements of software used in conjunction with one or more Microsoft products. For example, in order to use SQL Server software, a server needs to be assigned both a SQL Server license and an operating system (Windows Server) license.

This guide should be read in conjunction with the terms and conditions under which Microsoft products are licensed. If you acquire licenses under a Microsoft Volume Licensing Program (e.g., Enterprise Agreement or Select Plus) you should refer to the Product Use Rights for the products and the associated program agreement. The type and number of licenses required may vary based on how and where you deploy the software.

Information regarding Client Access Licenses (CAL) and External Connectors (EC) is provided at the end of this document.

More information is available in product documentation or online from either:

* <http://support.microsoft.com/select/?target=hub>
* <http://technet.microsoft.com/en-us/bb421517.aspx?wt.svl=techcentersflyout>.

How to Use the Table

Identify the product you want to license in the left hand column under ‘Product’. The right hand ‘Dependency’ column describes the software licenses that you need in order to be properly licensed to run the Product and other products used in conjunction with it. You will have to acquire licenses for other software used in conjunction with the Product separately. Please note that both a desktop and a server operating system are listed as a dependency for some products. You may need to acquire only one of these based on your specific requirements.

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| **Product** | **Dependency** |
| BizTalk Server 2006 R2 Branch, Standard and Enterprise Editions | Windows Server,  SQL Server |
| [For more information on BizTalk Server 2006 R2: http://www.microsoft.com/biztalk/techinfo/2006R2/sysreqs.mspx#E6](http://www.microsoft.com/biztalk/techinfo/2006R2/sysreqs.mspx#E6) | |
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| Commerce Server 2009 Standard and Enterprise Editions | Windows Server,  SQL Server |
| [For more information on Commerce Server 2007:](http://technet.microsoft.com/en-us/commerceserver/bb643788.aspx)  <http://technet.microsoft.com/en-us/commerceserver/bb643788.aspx> | |
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| Connected Services Framework 3.0 | Windows Server,  SQL Server,  Operations Manager |
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| Duet for Microsoft Office and SAP | Windows Server,  SQL Server |
| [For more information on Duet for Microsoft Office and SAP:](http://office.microsoft.com/en-us/duet/FX101686211033.aspx)  <http://office.microsoft.com/en-us/duet/FX101686211033.aspx> | |
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| Dynamics CRM 4.0 desktop client for Microsoft Outlook – Client Software | Windows Desktop Operating System,  Microsoft Office |
| Dynamics CRM 4.0 Workgroup, Professional and Enterprise – Server Software | Windows Server,  SQL Server,  Exchange Server (optional based on use scenario) |
| [For more information on Dynamics CRM 4.0: http://www.microsoft.com/dynamics/crm/product/systemrequirements.mspx http://www.microsoft.com/crm](http://www.microsoft.com/dynamics/crm/product/systemrequirements.mspx%20%20%20http:/www.microsoft.com/crm) | |
| [To download the Implementation Guide: http://go.microsoft.com/fwlink/?LinkId=62461](http://go.microsoft.com/fwlink/?LinkId=62461) | |
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| Exchange Server 2010 Enterprise Edition | Windows Server |
| Exchange Server 2010 Standard Edition | Windows Server |
| [For more information on Exchange Server 2007: http://www.microsoft.com/technet/prodtechnol/exchange/2007/evaluate/sysreqs.mspx](http://www.microsoft.com/technet/prodtechnol/exchange/2007/evaluate/sysreqs.mspx) | |
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| **Product** | **Dependency** |
| Expression Encoder Pro 4 | Windows Desktop Operating System |
| Expression Studio 4 Ultimate | Windows Desktop Operating System |
| Expression Studio 4 Web Professional | Windows Desktop Operating System,  Windows Server |
| Identity Lifecycle Manager 2007 | Windows Server,  SQL Server |
| Identity Lifecycle Manager 2007 -- Windows Live Edition | Windows Server,  SQL Server |
| [For more information on Identity Lifecycle Manager: http://www.microsoft.com/windowsserver/ilm2007/faq.mspx#EDD](http://www.microsoft.com/windowsserver/ilm2007/faq.mspx#EDD) | |
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| Internet Security and Acceleration Server 2006 Standard and Enterprise Editions | Windows Server |
| [For more information on Internet Security and Acceleration Server:](http://technet.microsoft.com/en-us/library/cc304520.aspx)  <http://technet.microsoft.com/en-us/library/cc304520.aspx> | |
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| MapPoint 2010 Fleet Edition | Windows Desktop Operating System,  Windows Server |
| MapPoint 2010 Standard Edition | Windows Desktop Operating System,  Windows Server |
| MSDN Operating Systems | Windows Server,  Windows Desktop Operating System |
| Access 2010 | Windows Server,  Windows Desktop Operating System |
| [For more information on Office products:](http://office.microsoft.com/en-us/access/HA101668651033.aspx)  <http://office.microsoft.com/en-us/access/HA101668651033.aspx> | |

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| Lync Server 2010 Standard and Enterprise Editions | Windows Server,  SQL Server |
| Lync 2010 | Windows Server,  Windows Desktop Operating System |
| Office Communicator Online Standard | Office Communicator |
| [For more information on Lync Server 2010: http://www.microsoft.com/en-us/lync/default.aspx](http://www.microsoft.com/en-us/lync/default.aspx)  NOTE: “Lync Server” is the new product name for the Office Communications Server (OCS) family of products. Lync Server 2010 Standard and Enterprise Editions are the new versions of OCS 2007 R2 Standard and Enterprise, respectively, and retain the same product dependencies on both Windows and SQL Server.  Lync 2010 is the new version of the desktop Communicator application, Office Communicator 2007 R2, and retains the same product dependencies on Windows Server, and Windows Desktop Operating System. | |

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| **Product** | **Dependency** |
| Excel 2010 | Windows Server,  Windows Desktop Operating System |
| SharePoint Workspace 2010 | Windows Server,  Windows Desktop Operating System |
| [For more information on Office products:](http://office.microsoft.com/en-us/access/HA101668651033.aspx)  <http://office.microsoft.com/en-us/access/HA101668651033.aspx> | |
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| Groove Server 2010 Server Manager | Windows Server,  SQL Server,  Office Groove Server Relay (deployed on a separate server) |
| Groove Server 2010 Server Relay | Windows Server,  Office Groove Server Manager (deployed on a separate server) |
| [For more information on Office Groove Server 2007:](http://office.microsoft.com/en-us/grooveserver/HA101945381033.aspx)  <http://office.microsoft.com/en-us/grooveserver/HA101945381033.aspx> | |

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| InfoPath 2010 | Windows Server,  Windows Desktop Operating System |
| Multi Language Pack 2010 | Windows Server,  Windows Desktop Operating System |
| Office Professional Plus 2010 | Windows Server,  Windows Desktop Operating System |
| OneNote 2010 | Windows Server,  Windows Desktop Operating System |
| Outlook 2010 | Windows Server,  Windows Desktop Operating System |
| Outlook 2010 with Business Contact Manager | Windows Server,  Windows Desktop Operating System |
| PowerPoint 2010 | Windows Server,  Windows Desktop Operating System |
| Project 2010 Professional and Standard Editions | Windows Server,  Windows Desktop Operating System |
| Publisher 2010 | Windows Server,  Windows Desktop Operating System |
| [For more information on Office products:](http://office.microsoft.com/en-us/access/HA101668651033.aspx)  <http://office.microsoft.com/en-us/access/HA101668651033.aspx> | |

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| **Product** | **Dependency** |
| SharePoint Foundation Server | Windows Server,  SQL Server |
| SharePoint Server 2010 | Windows Server,  SQL Server |
| SharePoint Server for Internet Sites Standard and Enterprise Editions | Windows Server,  SQL Server |
| FAST Search Server 2010 for SharePoint | Windows Server,  SQL Server |
| Search Server 2010 Express | Windows Server,  SQL Server |
| [For more information on Office SharePoint Server 2007:](http://office.microsoft.com/en-us/sharepointserver/HA101945391033.aspx)  <http://office.microsoft.com/en-us/sharepointserver/HA101945391033.aspx> | |
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| Office Standard 2010 | Windows Server,  Windows Desktop Operating System |
| Visio 2010 Premium, Professional and Standard Editions | Windows Server,  Windows Desktop Operating System |
| Word 2010 | Windows Server,  Windows Desktop Operating System |
| [For more information on Office products:](http://office.microsoft.com/en-us/access/HA101668651033.aspx)  <http://office.microsoft.com/en-us/access/HA101668651033.aspx> | |

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| Project Server 2010 | Windows Server,  SharePoint Server 2010,  SQL Server |
| Project Web Access 2007 | Windows Desktop Operating System |
| [For more information on Project Server 2007:](http://office.microsoft.com/en-us/portfolioserver/HA101945401033.aspx)  <http://office.microsoft.com/en-us/portfolioserver/HA101945401033.aspx> | |

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| **Product** | **Dependency** |
| SQL Server 2008 R2 Express Edition | Windows Server,  Windows Desktop Operating System |
| SQL Server 2008 R2 Workgroup Edition | Windows Server,  Windows Desktop Operating System |
| SQL Server 2008 R2 Developer Edition | Windows Server,  Windows Desktop Operating System |
| SQL Server 2008 R2 Standard Edition | Windows Server,  Windows Desktop Operating System |
| SQL Server 2008 R2 Datacenter | Windows Server |
| SQL Server 2008 R2 Enterprise | Windows Server |
| SQL Server 2008 R2 Web | Windows Server |
| [For more information on SQL Server 2008 R2: http:/technet.microsoft.com/en-us/library/ms143506.aspx](http://technet.microsoft.com/en-us/library/ms143506.aspx) | |
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| Streets and Trips 2010 | Windows Server,  Windows Desktop Operating System |
| System Center Configuration Manager 2007 R2 | Windows Server,  SQL Server |
| System Center Configuration Manager 2007 R2 with SQL Server 2005 Technology | Windows Server |
| [For more information: http://technet.microsoft.com/en-us/library/bb680717.aspx](http://technet.microsoft.com/en-us/library/bb680717.aspx) | |
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| System Center Data Protection Manager 2010 | Windows Server |
| [For more information: http://technet.microsoft.com/en-us/library/bb808800.aspx](http://technet.microsoft.com/en-us/library/bb808800.aspx) | |
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| System Center Essentials 2010 | Windows Server,  SQL Server |
| System Center Essentials 2010 with SQL Server 2008 Technology | Windows Server |
| Data Protection Manager 2010 for System Center Essentials | Windows Server |
| [For more information: http://technet.microsoft.com/en-us/sce/bb684929.aspx](http://technet.microsoft.com/en-us/sce/bb684929.aspx) | |

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| **Product** | **Dependency** |
| System Center Operations Manager 2007 R2 | Windows Server,  SQL Server |
| System Center Operations Manager 2007 R2 with SQL Server 2008 Technology | Windows Server |
| [For more information: http://technet.microsoft.com/en-us/library/bb309428.aspx](http://technet.microsoft.com/en-us/library/bb309428.aspx) | |
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| System Center Service Manager 2010 | Windows Server,  SQL Server |
| System Center Service Manager 2010 with SQL Server 2008 Technology | Windows Server |
| System Center Virtual Machine Manager 2008 R2 | Windows Server,  SQL Express (minimum requirement) |
| System Center Virtual Machine Manager 2008 Workgroup Edition | Windows Server,  SQL Express (minimum requirement) |
| [For more information: http://technet.microsoft.com/en-us/library/bb740968.aspx](http://technet.microsoft.com/en-us/library/bb740968.aspx) | |

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| **Product** | **Dependency** |
| Windows 7 Professional Desktop Operating System Upgrade | Qualified Windows Desktop Operating System from an Original Equipment Manufacturer (OEM), retailer (Full Packaged Product - FPP) or through the Get Genuine Windows Agreement (GGWA). |
| Virtual Desktop Access | Windows Server (depending upon deployment) |
| Microsoft Desktop Optimization Pack | Windows Desktop Operating System from an Original Equipment Manufacturer (OEM), retailer (Full Packaged Product - FPP), through the Get Genuine Windows Agreement (GGWA),  active Software Assurance |
| [For more information about Windows 7 licensing: http://www.microsoft.com/windows/enterprise/how-to-buy.aspx](http://www.microsoft.com/windows/enterprise/how-to-buy.aspx)  [Learn about which operating systems qualify for a Windows 7 Professional Desktop Operating System Upgrade license: http://www.microsoft.com/licensing/about-licensing/windows7.aspx#tab=4](http://www.microsoft.com/licensing/about-licensing/windows7.aspx#tab=4)  [For information about Get Genuine Windows Agreement (GGWA): http://www.microsoft.com/piracy/knowthefacts/LegalizationSolutions.aspx](http://www.microsoft.com/piracy/knowthefacts/LegalizationSolutions.aspx) | |

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| Visual Studio 2010 Professional | Windows Server,  Windows Desktop Operating System |
| Visual Studio 2010 Premium | Windows Server,  Windows Desktop Operating System,  Microsoft Office |
| Visual Studio 2010 Ultimate | Windows Server,  Windows Desktop Operating System,  Microsoft Office |
| Visual Studio 2010 Test Professional | Windows Server,  Windows Desktop Operating System |
| Visual Studio 2010 Team Foundation Server with SQL Server 2008 Technology | Windows Server |

**Client Access License (CAL)/External Connector Dependency**

Some CALs/External Connectors for Microsoft software require that you have CALs/External Connectors for certain other functionality/software in order to be properly licensed.

Please refer to the table below for a comprehensive list:

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| **Additive CAL** | **Base CALs** |
| Windows Server 2008 Rights Management Services CAL | Windows Server CAL or Core CAL Suite |
| Windows Server 2008 Remote Desktop Services CAL | Windows Server CAL or Core CAL Suite or Enterprise CAL Suite |
| Dynamics CRM 4.0 Full Use Additive CAL | Dynamics CRM 4.0 Limited CAL |
| Exchange Server 2010 Enterprise CAL | Exchange Server 2010 Standard CAL, or;  Core CAL Suite, or;  Windows SBS 2008 CAL Suite (for any user or device that is accessing instances of the server software that are within an SBS domain), or;  Windows SBS 2008 CAL Suite for Premium Users or Devices (for any user or device that is accessing instances of the server software that are within an SBS domain), or;  Windows EBS 2008 CAL Suite (for any user or device that is accessing instances of the server software that are within an EBS domain), or;  Windows EBS 2008 CAL Suite for Premium Users or Devices (for any user or device that is accessing instances of the server software that are within an EBS domain) |
| Lync Server Enterprise CAL | Lync Server 2010 Standard CAL |
| Lync Server 2010 Plus CAL | Lync Server 2010 Standard CAL |
| SharePoint Server 2010 Enterprise CAL | SharePoint Server 2010 Standard CAL or Core CAL Suite |

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| **Additive External Connector** | **Base External Connector** |
| Windows Server 2008 Rights Management Services External Connector | Windows Server External Connector |
| Windows Server 2008 Remote Desktop Services External Connector | Windows Server External Connector |
| Dynamics CRM 4.0 Full Use Additive External Connector | Dynamics CRM 4.0 Limited External Connector |
| Lync Server Enterprise External Connector | Lync Server Standard External Connector |
| Lync Server Enterprise Plus Connector | Lync Server Standard External Connector |

**For More Information**

Questions regarding the information presented here should be directed to your Microsoft reseller.