

V17 Insight – Q&A

Q: What are the software requirements for a V17 Insight Server?

A: The following software is required for a V17 Insight Server:

Windows Server 2003 - OS

Windows SharePoint Services 2003 or SharePoint Portal Server 2003

*SQL Server 2000 SP3

**Outlook / Outlook Express

V17 Insight Server

* Microsoft Note regarding SQL Performance: In general, for larger workloads, storage subsystem performance is the greatest bottleneck (the point at which the normal pace of activity is interrupted because the demand placed on a disk subsystem exceeds its throughput capability) in Server configurations. It is therefore recommended that customers set up their system with the appropriate RAID configurations, number of drives, and hardware array controllers.

** Notifications / alerts require an e-mail application.

Q: What are the software requirements for a V17 Insight Client machine?

A: In addition the V17 Solid Edge requirements, the only other software required for a V17 Insight Client machine is, Internet Explorer 6.0 or later.

Q: What additional functionality does SharePoint Portal Server 2003 enable in Insight over Windows SharePoint Services 2003?

A: V17 Insight development and testing were conducted using Windows SharePoint Services 2003. There is no Insight functional difference between SharePoint Portal Server 2003 and Windows SharePoint Services 2003.

Q: How do I determine which Windows Server 2003 system is right for my company, pricing, licensing, and so on?

A: Here's a link to the Windows Server 2003 "How to Buy" information on Microsoft.com: <http://www.microsoft.com/windowsserver2003/howtobuy/>

Q: What are the basic differences between Enterprise and Standard editions of Windows Server 2003?

A: Standard

- Four-way symmetric multiprocessing
- 4GB RAM limit

Enterprise

- More available and scalable than Standard
 - Supports up to 8 processors
 - Clustering and 32GB RAM support
- Intel Itanium-based support

Q: When purchasing Windows Server 2003, do we need to get CALS for all the people who will access Solid Edge data via Insight?

A: Based on the last part of the paragraph below, it is my understanding that you will need a CAL for each user accessing Solid Edge data on the Server, via WSS/Insight. As accessing data, via Solid Edge, Insight Connect, and or Dashboard pointing to the Document Library / SQL storage site is in fact using Server Software, WSS.

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Client Access Licensing

Microsoft offers flexible, cost-effective options for licensing the Windows Server 2003 family of products. Similar to previous Windows Server licensing models, one server license is required for each copy of the server software installed. In addition, a Windows Server 2003 Client Access License (CAL) is required for each user or device (or combination of both) that accesses or uses the server software.

Note: this paragraph is located at the following URL:

<http://www.microsoft.com/windowsserver2003/howtobuy/licensing/caloverview.mspx>

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Additional purchasing / licensing information is available at the following URL: <http://www.microsoft.com/windowsserver2003/howtobuy>

Q: How do I determine which SQL Server installation is right for my company? Pricing, licensing, and so on?

A: Here's a link to the SQL Server "How to Buy" information on Microsoft.com: <http://www.microsoft.com/sql/howtobuy/>

Q: Do I need as many SQL Client Access Licenses (CALs) as there are Solid Edge users? Or do I need enough SQL CALs to cover all the SharePoint users as well?

A: Everyone who connects or accesses the database will need a CAL. SQL Server is available under three licensing options:

Processor license – Requires a single license for each CPU in the computer running SQL Server. This license includes unlimited client device access.

Server plus device client access license (CAL). Requires a license for the computer running the Microsoft server product, as well as CALs for each client device.

Server plus user client access licence (CAL). Requires a license for the computer running the Microsoft server product, as well as CALs for each user.

For more details see: <http://download.microsoft.com/download/9/1/1/911e6f4f-4580-4f7b-816b-a947c380d85f/SQL2KLic.doc>

Q: Will SharePoint Portal Server 2001 run on Windows Server 2003?

A: Microsoft does not support SharePoint Portal Server 2001 on top of Windows Server 2003. See Microsoft Knowledge Base article KB820328 for more details: <http://support.microsoft.com/default.aspx?scid=kb;en-us;820328>

Q: Will V15 Insight work with Windows Small Business Server 2003? This Server product can be purchased quite cheap including 5 CAL'S and SQL server 2000.

A: Windows Small Business Server 2003 OS is not supported. The software requirements for an Insight server are: Windows Server 2003, Windows SharePoint Services 2003, SQL Server 2000 SP3, and Insight Server. While Windows Small Business Server (SBS) initially looks like a much cheaper configuration, here are a few reasons that eliminate SBS as an option:

Can only have 1 SBS server on the domain – There can be only one Windows Small Business Server 2003 server/machine in a domain. Each Windows Small Business Server 2003 server/machine is typically connected to the Internet either directly, or via a firewall. Windows Small Business Server 2003 does not support trusts between domains; therefore, user names and resources could not be shared between those Windows Small Business Server 2003 servers. Further, Windows Small Business Server 2003 installs at the root

of the Active Directory forest, and it cannot be demoted, or have the flexible single-master operation (FSMO) roles removed.

Supports a maximum of 2 CPU's – Windows Small Business Server 2003 supports up to two physical CPU processors and up to four virtual CPU processors.

Software loading – The server applications that come with the product must be installed on the same physical machine, if they are installed at all. The only exception is that FrontPage 2003, which is included with the premium edition, may be installed on a single client computer in the Windows Small Business Server 2003 network. This means customers are tied to a single-server implementation and if they outgrow a single server for storage they will need to purchase a new standard server license and a new of SQL Server license.

Q: I'm hearing from people that Microsoft will soon force people to upgrade to SQL Server 2003. Does anybody know more about this?

A: Based on feedback from Microsoft, SQL Server 2000 will be the platform for most all of 2005. There will be no SQL Server 2003. SQL Server 2005 will be released towards the end of 2005. – It is still a good idea to look into purchasing *Software Assurance with your SQL product to help smooth the upgrade to SQL 2005 when released.

*With Software Assurance, you receive access to new versions of licensed software released during the term of your agreement to deploy at your own pace. New Version Rights simplifies the procurement process and shortens the business process cycle, allowing you to reduce the costs associated with acquiring new version releases and immediately take advantage of the latest technology. For more details review the following: <http://www.microsoft.com/licensing/programs/sa/>

Q: We have a version of SQL running on a server. The about dialog box claims it is "SQL Distributed Management Framework (SQL-DMF)" version 6.50.201. What actual version number is the SQL 2000 that is needed for Solid Edge V17?

A: The Help About box for SQL 2000 applications have version 8.x in them. You will need to upgrade to SQL 2000 + sp3.

Q: Neither Windows SharePoint Services nor SharePoint Portal Server require SQL server. Assuming SQL is an Insight requirement, what is SQL server used for? Why do I need it?

A: Insight requires SQL Server 2000 SP3 or later for the SharePoint storage mechanism.

Insight will not run with Windows SharePoint Services on WMSDE. The default Windows SharePoint Services installation uses Windows MSDE. Using this setup option does not create a **property index** that can be used for searching and limits customers to a maximum of ten user connections. Insight needs the property index to determine what files to copy to the user's local cache. Therefore, Insight will not run with a WMSDE installation.

Q: Should I install Insight Server before creating Sites?

A: Yes. Insight Server installation extends the document library menus to add the Insight Web Parts and also increases the maximum string length that SharePoint supports. You should install Insight Server on each Windows SharePoint Server web server if running in a web farm or the Windows SharePoint Server if running single-server to update the default site templates before adding any site-specific customizations or SharePoint sites to SharePoint.

Note 1: Any sites created **before** installing Insight Server, including the default website, **cannot** be used for Insight document libraries.

Note 2: It will prove very helpful if you setup one document library, add your Custom properties, run the workspace editor to add the Solid Edge Mandatory properties, and then save the document library out as a template. This will save you from having to add the properties one by one to every document library created.

Q: While it appears Windows SharePoint Services 2003 allows customers to turn on versioning, there doesn't seem to be a way to set a version limit?

A: Microsoft SharePoint 2001 allowed customers to specify a version limit, typically three. While, Windows SharePoint Services 2003 allows customers to turn on versioning, there is no way to specify a version limit at this time.

Note 1: For Insight customers, we recommend that versioning be turned off until there is an automated way to purge old versions due to the large demand unlimited versions will put on disk-space for a typical customer site.

Note 2: If versioning is turned on Windows SharePoint Services 2003 does allow purging all old versions but, only one file at a time.

Q: What type of backup/restore functionality is provided with Windows SharePoint Services 2003? Does it offer document level backup/restore?

A: In Windows SharePoint Services, all server and site configuration information is stored in the configuration database, and all site content is stored in content databases. If you want to back up all the Windows SharePoint Services information on your server or server farm, you must back up these databases by using the SQL Server 2000 backup and restore tools.

Note 1: If you need to back up a specific site, rather than a whole installation of Windows SharePoint Services, you can do so by using the backup and restore operations with the Stsadm.exe command-line tool.

Note 2: You must be running SQL Server 2000 SP3 to back up and restore the databases used by Windows SharePoint Services.

For more information/details, see Backing Up and Restoring Web Sites in the WSS Administrator Guide. As for backing up and restoring single documents, there are third party vendors that offer backup tools capable of restoring single documents.

Q: While I know V17 Insight will work seamlessly for our Solid Edge designers and files, how will it work for our PCB designers / files?

A: Insight is the front-end / interface for Solid Edge documents within the managed SQL file storage system via Windows SharePoint Services. Windows SharePoint Services is capable of managing other third party files. However, since these are non-Solid Edge files, the interaction may not be as seamless. While you can add non-Solid Edge files to a WSS site / document library, unless the other application is WSS / SharePoint enabled, you will have to do a manual check-out before you can open the file, and then do a manual check-in after making changes and saving the file. Additionally,

properties with non-SE files are not synchronized; links to other files are not automatically maintained, and so on, as with SE files.

Q: What's the process for migrating V14 Insight (and prior) SharePoint V1 Web Storage data to SQL Document Library storage in Insight V17?

A: The initial plans were to utilize the migration tool from Microsoft, based on the assumption this tool would migrate SharePoint V1 Web Storage data to SQL Document Library storage. As it turns out the Microsoft migration tool will only migrate data from SharePoint V1 Web Storage to SharePoint V2 Web Storage. Given that, the Insight team is now developing an Insight Migration tool. The Insight Migration tool will be capable of migrating SharePoint V1 Web Storage data to SQL Document Library storage. Given the late decision, the Insight Migration tool will not be available with the initial release of Solid Edge V17. As soon as the Insight Migration tool is complete, it will be delivered in a V17 Update.

Q: It appears that Microsoft has moved away from using Windows Explorer in favor of using Internet Explorer for nearly all SharePoint 2 functionality. Is this the case?

A: Yes. With Windows SharePoint Services 2003 there is very little you can do with Windows Explorer. Delete, Rename, Copy and Cut are really the only commands available, but even these commands should only be done using Internet Explorer not Windows Explorer. In SharePoint 1 you were able to Create/edit properties and change/add security settings for users using Windows Explorer. However, with Windows SharePoint Services 2003 all of these commands must also be done using Internet Explorer.

Q: Should I compress my database using Enterprise manager?

A: Yes, the Insight / SharePoint content database and transaction log file should be backed up daily and compressed at least once a week. MS SQL enterprise manager provides a tool, "Shrink Database" for this task and also a maintenance plan wizard for routine maintenance.

Q: Is it normal for the Transaction log to grow extensively during regular Insight use? I've noticed that the transaction log file is typically 3 to 4 times larger than the actual database after approx 3 or 4 months of daily Insight use.

A: Yes, this is normal. You need to establish a maintenance plan using the MS SQL Enterprise manager maintenance wizard.

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