Microsoft SQL Server 2005 Installation guide and configuration settings on Microsoft Windows 2003/2008 server (March 2009)

This guide explains the different steps for installing and configuring Microsoft SQL Server 2005 for COBA's software.

- **1.** Technical requirements
- 2. Installing Microsoft SQL Server 2005
- 3. Configuring the server settings
- 4. Microsoft SQL Server 2005 Service Pack 3



<u>1 - Technical requirements</u>

This table shows the different versions of SQL Server 2005 supported by COBA's software.

| Version | Number of CPU ¹ | 64-bit Support | Memory (Max-RAM) ² |
|-------------------------------|----------------------------|-----------------------------|-------------------------------|
| Enterprise Edition | Max OS supported | Yes | Operating system maximum |
| Standard Edition ³ | 4 | Yes | Operating system maximum |
| Workgroup Edition | 2 | Windows on Windows (WOW) | 3 GB |

¹ Includes support for multi-core processors.

² If the minimum RAM for the server is not met, the Setup program will display a warning.

³ COBA's recommended version for the majority of installations.

If installing MS SQL 2005 on a Windows 2008 Server this update must be installed first:

KB950636 (http://www.microsoft.com/downloads/details.aspx?displaylang=en&FamilyID=fb0ee17e-96eb-4cbb-ac09-95a4dcf73077)

2 - Installing Microsoft SQL Server 2005

Run Setup from installation CD

| 💹 Microsoft SQL Server 2005 Setup | X |
|--|----------|
| End User License Agreement | |
| | |
| MICROSOFT SOFTWARE LICENSE TERMS | _ |
| MICROSOFT SQL SERVER 2005 DEVELOPER EDITION | |
| These license terms are an agreement between Microsoft Corporation (or based on where you live, one of its affiliates) and you. Please read them. They apply to the software named above, which includes the media on which you received it, if any. The terms also apply to Microsoft | any |
| * updates, | |
| * supplements, | |
| Internet-based services, and | |
| * support services | • |
| I accept the licensing terms and conditions | |
| Print Next > | Cancel |

Check I accept the licensing terms and conditions and click Next to start the installation.

| 💹 Microsoft SQL Server 2005 Setup | × |
|--|----------|
| Installing Prerequisites Installs software components required prior to installing SQL Server. | |
| SQL Server Component Update will install the following components required for SQL Server Setup: | <u>^</u> |
| Microsoft SQL Native Client | |
| Microsoft SQL Server 2005 Setup Support Files | |
| Click Install to continue. | |
| | |
| | - |
| | |
| [Install | cel |

Click Install to continue



After the prerequisites are completed click **Next** to continue the installation



Click Next to begin the installation of the Server components

| Sys V P | tem Configuration Check Vait while the system is checked for poten roblems. | tial installation 14 Total | 0 Error |
|---------------|---|-------------------------------|------------------|
| | Success | 14 Success | 0 Warning |
| <u>D</u> eta | ils: | | |
| | Action | Status | Message 🔺 |
| 0 | IIS Feature Requirement | Success | |
| 0 | Pending Reboot Requirement | Success | |
| 0 | Performance Monitor Counter Require | Success | |
| 0 | Default Installation Path Permission Re | Success | |
| 0 | Internet Explorer Requirement | Success | |
| 0 | COM Plus Catalog Requirement | Success | |
| 0 | ASP.Net Version Registration Require | Success | |
| 0 | Minimum MDAC Version Requirement | Success | |
| | | | • |
| | Fil <u>t</u> er 🔻 | <u>S</u> top | <u>R</u> eport • |
| | Help | | Nevt > |

All **System Configuration Checks** should have a **Success** result. If not please contact Coba to determine the impact or corrective measures that should be taken before proceeding

| 🔂 Microsoft SQL Server 2005 Setup |
|--|
| Registration Information The following information will personalize your installation. |
| The Name field must be filled in prior to proceeding. The Company field is optional. |
| |
| N <u>a</u> me: |
| Your name |
| Company: |
| Company name |
| Please enter your 25 character Product Key. You can find this number on the yellow sticker in the CD liner notes or the CD sleeve. |
| G9Y4M - 86RC4 - 7MFBD - QTPR8 - P2VD3 |
| |
| |
| |
| Help < Back Next > Cancel |

Enter the Name and Company Name that MS SQL Server 2005 is registered to

| 🙀 Microsoft SQL Server 2005 Setup | | | × |
|--|-----------------|----------------|----------|
| Components to Install Select the components to install or up | ograde. | | |
| 🔽 SQL Server Database Services | | | |
| 🔲 Create a SQL Server failover clust | er | | |
| Analysis Services | | | |
| 🔲 Create an Analysis Server failover | cluster | | |
| Reporting Services | | | |
| Notification Services | | | |
| Integration Services | | | |
| 🔽 Workstation components, Books Onlin | ne and developi | ment tools | |
| | | | |
| | | | |
| | | | |
| | | | |
| For more options, click Advanced. | | | Advanced |
| Help | < <u>B</u> ack | <u>N</u> ext > | Cancel |

Select the SQL Server Database Services and Workstation components, Books Online and development tools only.

| 🙀 Microsoft SQL Server 2005 Setu | IP | | × |
|--|--|--|------------------------------------|
| Instance Name You can install a default instance of instance. | or you can specify | a named | |
| Provide a name for the instance. For a Next. To upgrade an existing default i named instance select Named instance | a default installatio nstance, click Defa e and specify the ir | n, click Default insta ault instance. To upg hstance name. | nce and click grade an existing |
| <u>D</u>efault instance Named instance Cobal | | | |
| Help | < <u>B</u> ack | Next > | Cancel |

Select Named Instance and type Coba

Even if this is the only instance of MS SQL Server to be installed, you must name the Instance Coba for the Coba Management Software to work correctly.

| 🙀 Microsoft SQL Server 2005 Setup | | X |
|--|---------------------|----------|
| Service Account Service accounts define which accounts to | log in. | |
| Customize for each service account | | |
| | V | |
| Use the built-in System account | Local system | – |
| C Use a domain use <u>r</u> account | | |
| ∐sername: | | |
| Password: | | |
| Domain: | | |
| Start services at the end of setup | | |
| SQL Server | | |
| SQL Server Agent | | |
| SQL Browser | | |
| Help < | Back <u>N</u> ext > | Cancel |

Uncheck **Customize for each service account** and select **Use the built-in System account** Select all three services to start at the end of setup

| 🙀 Microsoft SQL Server 2005 Setu | р | | × |
|---|-----------------------|---------------------|--------|
| Authentication Mode The authentication mode specifies connecting to SQL Server. | the security used | when | |
| Select the authentication mode to | use for this installa | ation. | |
| Windows Authentication Mode Mixed Mode (Windows Authent | ication and SQL Se | erver Authenticatio | n) |
| Specify the sa logon password belo | ow: | | |
| ******** Confirm <u>p</u> assword: ***** | | | |
| | | | |
| | < <u>B</u> ack | <u>N</u> ext > | Cancel |

Select Mixed Mode as the Authentication Mode

Enter a temporary password for the sa logon account

Coba Management Software will require this password to configure MS SQL for the Coba applications

| 🖶 Microsoft SQL Server 2005 Setup | | | × |
|--|---|------------------------------|-----------|
| Collation Settings Collation settings define the sorting b | ehavior for your serv | /er. | |
| Collation settings for service: SQL Server | | | |
| | | | |
| Collation gesignator and sort order | | | |
| Latin1_General | Y | | |
| 🗖 Binary | 🗖 Bin | ary - code poi | int |
| Case - sensitive | 🗖 Kar | na - sensitive | |
| Accent - sensitive | 🗖 Wi | dth - sensitive | |
| SQL collations (used for compatibilities) | y with previous versio | ons of SQL Ser | ver) |
| Bipary order based on code point cor | mparison, for use with | the 850 (Mult | ilingual' |
| Strict compatibility with version 1.x c | ase-insensitive databa | ases, for use v | with the |
| Dictionary order, case-sensitive, for | use with 1252 Charac | ter Set. | |
| Dictionary order, case-insensitive, un Dictionary order, case-insensitive, un | n use with 1252 Chara opercase preference. | acter Set. for use with 1 | 252.Ch |
| | | | Þ |
| | | | |
| | | | 1 |
| Help | < Back | Nevt > | Cancel |

Select SQL collations > Dictionary order, case-insensitive, for use with 1252 Character Set

| 🔂 Microsoft SQL Server 2005 Setup | | × |
|--|---|--|
| Error and Usage Report Settings Help Microsoft improve some of the SQL and services. | : Server 2005 components | |
| Automatically send Error reports for SQL error reporting server. Error reports inc Server 2005 when an error occurred, you reports may unintentionally include pers Microsoft. | . Server 2005 to Microsofi ude information regarding our hardware configuratio onal information, which w | t or your corporate g the condition of SQL n and other data. Error ill not be used by |
| Automatically send Feature Usage data includes anonymous information about y software and services. | for SQL Server 2005 to M our hardware configuration | icrosoft. Usage data on and how you use our |
| For more information on the error reporting Help. | feature and the type of i | nformation sent, click |
| | | |
| Help | < <u>B</u> ack <u>N</u> ext : | > Cancel |

We leave these options to the clients discretion on whether to select them or not

| 🙀 Microsoft SQL Server 2005 Setup | × |
|--|------------------|
| Ready to Install Setup is ready to begin installation. | |
| Setup has enough information to start copying the program files. To proceed, or change any of your installation settings, click Back. To exit setup, click Cancel. | lick Install. To |
| The following components will be installed: • SQL Server Database Services (Database Services, Replication, Full-Text Search) | |
| <u>H</u> elp < <u>B</u> ack <u>I</u> nstall | Cancel |

Click Install to begin Installation of MS SQL Server 2005

| roduct | Status | | |
|---|----------------|--|--|
| MSXML6 | Setup finished | | |
| SQL Setup Support Files | Setup finished | | |
| SQL Native Client | Setup finished | | |
| SQL VSS Writer | Setup finished | | |
| <u>OWC11</u> | Setup finished | | |
| SQL Server Backward-Compatibility Files | Setup finished | | |
| SQL Server Database Services | Setup finished | | |
| | | | |
| | | | |

After all components are installed successfully click Next to continue

💹 Microsoft SQL Server 2005 Setup

Completing Microsoft SQL Server 2005 Setup

Setup has finished configuration of Microsoft SQL Server 2005

Ŧ

Finish

×

Refer to the setup error logs for information describing any failure(s) that occurred during setup. Click Finish to exit the installation wizard.

Summary Log

To minimize the server surface area of SQL Server 2005, some features and services are disabled by default for new installations. To configure the surface area of SQL Server, use the

Surface Area Configuration tool.

Analysis Services

 If Analysis Services was upgraded from SQL Server 2000, all cubes, dimensions, and mining models must be reprocessed using SQL Server Management Studio.

Reporting Services

 The Reporting Services installation options you specified in Setup determine whether further configuration is required before you can access the report server. If you installed the default configuration, the report server can be used immediately. If you installed just the program files you must run the Reporting Services Configuration tool to deploy the

Help

Click Finish to complete the installation

3 - Configuring the server settings

| 🛐 SQL Server Configuration Manager | | | <u>- 🗆 ×</u> |
|--|---------------|---|--------------|
| <u>File Action View H</u> elp | | | |
| | | | |
| ← → ► 😭 🚱 SQL Server Configuration Manager (Local) SQL Server 2005 Services SQL Server 2005 Network Configuration → Protocols for COBA → ⊕ SQL Native Client Configuration | Protocol Name | Status Enabled Disabled Disabled Disabled | |
| | | | |

Launch the **SQL Server Configuration Manager** (Start > All Programs > Microsoft SQL Server 2005 > Configuration tools > SQL Server Configuration Manager)

| 🙀 SQL Server Configuration Manager | | | _ 🗆 🗵 |
|--|--|--|-------|
| Eile Action View Help | | | |
| | | | |
| SQL Server Configuration Manager (Local) SQL Server 2005 Services SQL Server 2005 Network Configuration Protocols for COBA SQL Native Client Configuration | Protocol Name Shared Memory Named Pipes TCP/IP VIA | Status Enabled Dis <mark>Enable</mark> Dis Disable <u>Properties</u> <u>H</u> elp | |
| Enable selected protocol. | | | |

Under the Protocols for Coba, right-click on Named Pipes and click Enable.

Restart all MS SQL 2005 services.

Close SQL Server Configuration Manager.

| K Microsoft SQL Server Management Studio | | | | <u>_ ×</u> |
|--|------------------------|---------------------------|-------------------|----------------|
| File Edit View Tools Window Community Help | D D | | | |
| : Q New Query Li Co Co Li Co | 2° 0° 11 5 | _ | | |
| Connect - 🕂 T | | | | |
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| | | | | |
| | | | | |
| | Connect to Server | | × | |
| | Microsoft [.] | All Microsoft Windo | ows Server System | |
| | SQLServe | er.2005 | | |
| | | 1 | | |
| | Server <u>t</u> ype: | Database Engine | | |
| | Server name: | TEST-CLUSTER\COBA | | |
| | Authentication: | SQL Server Authentication | | |
| | Login: | Sa | | |
| | Password: | | | |
| | | I Tromoniber password | | |
| | Connect | Cancel Help | Options >> | |
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Logon to the Coba Instance using the **SQL Server Management Studio** with the sa account and temporary password that you defined during the installation process.

Right-click on the Coba Instance then click Properties

| 🚪 Server Properties - TEST-Cl | USTER\COBA | |
|--|--|-------|
| Select a page | 🛒 Script 👻 🎼 Help | |
| General Memory Processors Security Connections Database Settings Advanced Permissions | Server memory options Use AWE to allocate memory Minimum server memory (in MB): 0 * Maximum server memory (in MB): 2048 | |
| Connection Server: TEST-CLUSTER\COBA Connection: sa View connection properties | Other memory options Index creation memory (in KB, 0 = dynamic memory): 0 ** Minimum memory per guery (in KB): 1024 ** | |
| Progress Ready | C <u>B</u>unning values | |
| | OK Ca | ancel |

Click **Memory** under Select a page.

Change the Maximum server memory to the maximum amount your server has available for the Coba Instance and click **OK**.

Close SQL Server Management Studio.

Once the installation/configuration of SQL 2005 is complete, you must install Service Pack 3 for SQL 2005 found here (<u>http://www.microsoft.com/downloads/details.aspx?FamilyID=ae7387c3-348c-4faa-8ae5-949fdfbe59c4&displaylang=en</u>).

4 - Microsoft SQL Server 2005 Service Pack 3

After installing SQL Server 2005, you must install this update:

Microsoft SQL Server 2005 Service Pack 3

http://www.microsoft.com/downloads/details.aspx?FamilyID=ae7387c3-348c-4faa-8ae5-949fdfbe59c4&displaylang=en

This update includes the previous service packs (Service Pack 1 and 2).

Service Pack 3 is the only version authorised by COBA.