

Agile e6.0.2

Installation Manual for Microsoft SQL Server 2005

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Chapter 1

Install Microsoft SQL Server 2005

This guide describes the installation of Microsoft SQL Server 2005 and how a database can be restored. To install Microsoft SQL Server 2005 the following software versions are required:

- □ Microsoft Windows Server 2003 (English, for Europe)
- □ Microsoft SQL Server 2005 Enterprise Edition (English)
 - **Note:** The Microsoft SQL Server Native Client software must be installed on the Agile e6 Application Server when the Microsoft SQL Server is installed on a different server. To install it, run sqlncli.msi from the Agile e6 Application Server DVD placed in the WinRoot directory.
 - **Note:** Microsoft .NET Framework 2.0 is required for SQL Server 2005 and will be installed during the setup process.
 - **Note:** MDAC version 2.8 or later must be installed on both, on the database server and on the application server.
- **1.** Insert the Installation CD and run the setup.

If you have Autostart activated, the Startup window opens automatically, displaying an overview of product and installation requirements.

SQL Server 2005 (Disc 1 of 2)	
	Start
	Prepare
	Review hardware and software requirements
	Read the release notes
	Install SQL Server Upgrade Advisor
	Install
	Server components, tools, Books Online, and samples
	Ryn the SQL Native Client Installation Wizard
	Other Information
	Browse this CD
	⊻isit the SQL Server website
SOI Server 2005	Read the SQL Server license agreement
Enterprise Edition	Egt

2. Select Install, Server components, tools, Books Online, and sample to start the installation.

The Installing Prerequisites window is opened, listing all SQL Server components that are required prior to the installation.



3. Click Install to install the listed components and continue with the server installation.

The Installation Wizard for SQL Server 2005 is opened. It executes automatically a system check to check if all requirements for the SQL Server 2005 are met.

The result of the system configuration check is displayed in the System Configuration Check window.

👘 Mic	🖥 Microsoft SQL Server 2005 Setup 🔀 🗙				
Sys V	System Configuration Check Wait while the system is checked for potential installation problems.				
	Success	14 Total 12 Success	0 Error 2 Warning		
<u>D</u> eta	ils:				
	Action	Status	Message 🔺		
0	WMI Service Requirement	Success			
0	MSXML Requirement	Success			
0	Operating System Minimum Level Req	Success			
0	Operating System Service Pack Level	Success			
0	SQL Server Edition Operating System	Success			
4	Minimum Hardware Requirement	Warning	Messages		
4	IIS Feature Requirement	Warning	Messages		
0	Pending Reboot Requirement	Success			
0	Performance Monitor Counter Require	Success	-		
	Fil <u>t</u> er 🔻	<u>St</u> op	<u>R</u> eport v		
	Help		<u>N</u> ext >		

If the system identifies problems a warning or an error message will be issued. Additional information can be found by clicking on the link in the Message column. Possible problems should be solved before continuing with the installation to avoid future problems.

- **Note:** The warning for IIS Feature Requirement can be ignored as Agile e6 does not require any integrated SQL Server Web features.
- **4.** When the system check was successful, click **Next** > to continue with the installation.
- **5.** Enter your name, company name and product key and click Next >.

In the next window, the components to be installed with SQL Server 2005 can be selected.

🙀 Microsoft SQL Server 2005 Setup	×
Components to Install Select the components to install or upgrade.	
SQL Server Database Services	
Create a SQL Server failover cluster	
Analysis Services	
Create an Analysis Server failover cluster	
<u>Reporting Services</u>	
Notification Services	
Integration Services	
Workstation components, Books Online and development tools	
For more options, click Advanced.	A <u>d</u> vanced
Help < <u>B</u> ack <u>N</u> ext >	Cancel

- **6.** Select at least the following components:
 - □ SQL Server Database Services
 - **U** Workstation components, Books Online and development tools

To adapt the standard installation path and select additional features, click on the **Advanced** button. The following window is opened:

🖟 Microsoft SQL Server 2005 Setup 🔀
Feature Selection Select the program features you want installed.
Click an icon in the following list to change how a feature is installed.
Image: Services Patabase Services Image: Services Analysis Services Image: Services Notification Services Image: Services Integration Services Image: Services Integration Services Image: Services Integration Services Image: Services Integration Services Image: Services Client Components Image: Services Documentation, Samples, and Sample I
This feature requires 251 MB on your hard drive. It has 4 of 4 subfeatures selected. The subfeatures require 129 MB on your hard drive.
Installation path C:\Program Files\Microsoft SQL Server\ Disk Cost Disk Cost
Help < Back Next > Cancel

7. Click Next > to install an instance.

🖟 Microsoft SQL Server 2005 Setup	<
Instance Name You can install a default instance or you can specify a named instance.	
Provide a name for the instance. For a default installation, click Default instance and click Next. To upgrade an existing default instance, click Default instance. To upgrade an existing named instance select Named instance and specify the instance name.	
Default instance Named instance	

8. Select **Default instance** and click **Next**>.

Service account information is entered in the Service Account window, and optional services that start after the installation can be selected.

🙀 Microsoft SQL Server 2005 Setup		×
Service Account Service accounts define which accounts	; to log in.	
Service:		
	7	
$\textcircled{\begin{tince} \bullet \end{tince} }$ Use the built-in System account	Local system	•
O Use a domain use <u>r</u> account		
Username:		
<u>P</u> assword:		
Domain:		
Start services at the end of setup		
SQL Server		
SQL Server Agent		
SQL Browser		
Help	< <u>B</u> ack <u>N</u> ext >	Cancel

Please activate the SQL Server Agent option.

9. For a standard installation, select Use the built-in System account option and click Next>.

In the Authentication Mode window the security that is used when connecting to the SQL server is defined.

🙀 Microsoft SQL Server 2005 Setup	×
Authentication Mode The authentication mode specifies the security used when connecting to SQL Server.	
Select the authentication mode to use for this installation.	
<u>Wi</u> ndows Authentication Mode <u>Mixed Mode (Windows Authentication and SQL Server Authentication) </u>	
Specify the sa logon password below: Enter password:	
Confirm gassword:	
Help < Back Next >	Cancel

10. Select the **Mixed Mode** authentication option for the Agile e6 Application server and enter a DBA user sa password for the SQL Server Authentication. Click Next >.

In the Collation Setting window, the different character sets and sort order groups of the SQL Server that can be used in different regions and languages are defined.

Microsoft SQL Server 2005 Setup	X
Collation Settings Collation settings define the sorting behavi	ior for your server.
Collation settings for service: SQL Server	
Collation designator and sort order:	-
El Binary	Elinary - code point
Accent - sensitive	Width - sensitive
O SOL collations (used for compatibility with	previous versions of SOL Server)
Binary order based on comparising the second point comparis Strict compatibility with version 1.x case-in Dictionary order, case-sensitive, for use w Dictionary order, case-insensitive, for use	on, for use with the 850 (Multilingual) sensitive databases, for use with the tith 1252 Character Set. with 1252 Character Set. see nreference. for use with 1252 Ch
Help </td <th>Back Next > Cancel</th>	Back Next > Cancel

Note: Agile e6 SQL Server has to be installed with collation Latin1_General_CS_AS.

11. Select the Collation designator and sort order option and Click Next >.

The Ready to Install window is opened, listing all components that will be installed.

🔂 Microsoft SQL Server 2005 Setu	ир	×
Ready to Install Setup is ready to begin installation	n.	
Setup has enough information to st change any of your installation set	tart copying the program files. To proceed, click Ins tings, click Back. To exit setup, click Cancel.	tall. To
 Fhe following component SQL Server Databas (Database Services, Replica Client Components (Connectivity Components, N Development Studio, SQL Se 	ts will be installed: se Services Ition, Full-Text Search) Management Tools, Business Intelligence erver Books Online)	
Help	< <u>B</u> ack Install Cancel	

Start the installation by clicking the Install button.

The setup progress is displayed.

- **12.** After the installation is finished click **OK**.
- **13.** Start the SQL Server Configuration Manager

🛐 SQL Server Configuration Manager			_ 🗆 🗙
<u>Eile Action View H</u> elp			
SQL Server Configuration Manager (Local)	Protocol Name	Status	
SQL Server 2005 Services	Gared Memory	Enabled Disabled	
Protocols for MSSQLSERVER	TCP/IP	Enabled	
E	T¥⊂VIA	Disabled	
	<u> </u>		

14. Check if the TCP/IP protocol is activated.

Chapter 2

Service Pack 1

Install Microsoft SQL Server 2005 Service Pack 1 by using default settings, which will upgrade both the server and client components. The Service Pack can be downloaded at:

German version:

http://www.microsoft.com/downloads/details.aspx?FamilyID=cb6c71ea-d649-47ff-9176e7cac58fd4bc&DisplayLang=de

English version:

http://www.microsoft.com/downloads/details.aspx?displaylang=en&FamilyID=cb6c71ea-d649-47ff-9176e7cac58fd4bc

Chapter 3 Restore Database in MSSQL 2005

To restore a database in MSSQL 2005 the following steps are required:

- □ Restore database
- □ Set database transaction isolation level
- □ Create a database user

Restore Database

- 1. Open the Microsoft SQL Server Management Studio from the Start menu.
- **2.** In Microsoft SQL Server Management Studio right-click on the Databases folder and choose **Restore** Database



3. Add a valid backup file location in the **To database** field.

🧾 Restore Database - plm60							JN		
Select a page	🖾 Script 👻 🎼 Help								
General	Destination for restore								
	Select or type the name of a new or existing database for your restore operation.								
	To databa	ise: pim60	pim60 💌						
	To a point	in time: Most recent	Most recent possible						
	Source for restore								
	From database:								
	 From device: C:\Aqile_e6\axalant\db_uti\mssq\phim60.bak 								
	, <u></u> Select the backup sets to restore:								
	Restore	Name	Component	Туре	Server	Database	P.		
		yetiwip40-Full Database Backup	Database	Full	KHE-SEDNA	yetiwip40	1		
Connection									
Server: localhost									
Connection: SA									
View connection properties									
Progress									
C Ready									
	<u>]+]</u>								
					ОК	Cancel			

4. To adapt the restore options click on **Options** in the **Select a page** section.

📙 Restore Database - plm60 👘									
Select a page	式 Script 👻 📑 Help								
🚰 General –	<u> </u>								
	Restore options								
	C Overwrite the evisting database								
	Prevenue the realization settings								
	E Promot before restoring each back up								
	Finally, before resound each backap								
	se files as:								
	Original File Name	Restore As							
	plm60	D:\MSSQL_DATA\pIm60.mdf							
	plm60_edb	D:\MSSQL_DATA\pim60_edb.ndf							
	plm60_idx	D:\MSSQL_DATA\pim60_idx.ndf							
	pim6U_lob	D:\MSSUL_DATA\pim6U_iob.ndt							
	pim6U_tmp	D:\MSSUL_DATA\pim6U_tmp.nd/							
	pim60_tmpidx								
	pimeu_iog								
	Recovery state								
C	TIEGOVERY STOLE								
Lonnection	🚓 Leave the datab	ase ready to use by rolling back uncommitted transactions. Additional transaction logs cannot be							
Server.	restored.(RESTO	DRE WITH RECOVERY)							
SA Lonnection:	C Leave the datable restored (BEST)	ese non-operational, and do not roll back uncommitted transactions. Additional transaction logs can be IRE WITH NINBERNVERY)	3						
	10001003(112010								
view connection properties	- Losue the datab	essa in read only mode. Unde uncommitted transpotiens, but caus the unde actions in a standby file on	Hank						
Program	recovery effects	can be reversed (RESTORE WITH STANDBY)	ulau						
T Tugicas									
Heady	Standby file:								
	y	•							
		OK Cance	el .						
			<u> </u>						

- **5.** Adapt file locations for the database to be created (target directory must exist) in the **Restore the database files as:** section.
- 6. Click OK
- 7. Click OK.

Run script after_restore.sql

Run the T-SQL script after logging in as a database administrator to create a login. Use the template axalant\db_util\mssql\after_restore.sql.