Tech Note 484 Installing Microsoft® SQL Server for Use with Wonderware® Products

All Tech Notes and KBCD documents and software are provided "as is" without warranty of any kind. See the Terms of Use for more information.

Topic#: 002206 Created: June 2007

Introduction

This *Tech Note* details the recommended Microsoft SQL Server 2005 installation procedure when it will be used with Wonderware products. The focus of this content is using MS SQL Server with IndustrialSQL Server Historian and InTouch Alarm Logger.

Application Versions

- Microsoft SQL Server 2005 Workgroup and Standard Editions, with or without Service Pack 1 or 2
- InTouch® Alarm Logger 9.5 and later
- IndustrialSQL Server Historian 9.0 and later

Installation Procedure

1. Insert the SQL Server 2005 installation DVD into your DVD drive.

• If the autorun feature on your DVD drive does not launch the installation program, navigate to the root of the DVD and launch **splash.hta**.

- If installing from a network share, navigate to the network folder and launch splash.hta.
- 2. From the autorun dialog, click **Run the SQL Server Installation Wizard**.

3. Select the **Server components, tools, Books Online and samples** option under the **Install** heading (Figure 1 below).



Figure 1: Server Components...Install Option

The End User Licenses Agreement wizard appears (Figure 2 below).

4. Review the license agreement, and select the **I** accept... option.

nd User	License Agreement
MICR	OSOFT SOFTWARE LICENSE TERMS
MICR	DSOFT SQL SERVER 2005 STANDARD AND ENTERPRISE IONS
Micr live read abov rece Micr	osoft Corporation (or based on where you , one of its affiliates) and you. Please them. They apply to the software named e, which includes the media on which you ived it, if any. The terms also apply to any psoft
*	updates,
*	supplements,
*	Internet-based services, and
*	support services
I ac	cept the licensing terms and conditions
	NE

Figure 2: End User Agreement

5. Click Next. The Installing Prerequisites wizard appears (Figure 3 below).

stalling Presequisites	<
Iscalling Prerequisites	
Server	100
	-
SOL Server Component Update will install the following components	1
required for SQL Server Setup:	
.NET Framework 2.0	
Microsoft SOL Native Client	
Microsoft SQL Server 2005 Setup Support Files	
Click Install to continue.	
3	
N Install Carr	- el

Figure 3: Installing Updates Wizard

This wizard lists required updates for SQL Server 2005.

6. Click Install. The wizard displays the update status (Figure 4 below).



Figure 4: Component Update Success

7. When the update process is complete, click **Next**. The **Microsoft SQL Server Installation Wizard** appears (Figure 5 below).



Figure 5: SQL Server Installation Wizard

8. Click Next to continue. The System Configuration Check wizard appears (Figure 6 below).

0	Success	14 Total 14 Success	0 Error 0 Warning
eta	ils:		
1	Action	Status	Message
0	IIS Feature Requirement	Success	
9	Pending Reboot Requirement	Success	
0	Performance Monitor Counter Require	Success	
0	Default Installation Path Permission Re	Success	
0	Internet Explorer Requirement	Success	
3	COM Plus Catalog Requirement	Success	
0	ASP.Net Version Registration Require	Success	
0	Minimum MDAC Version Requirement	Success	
0	ASP.Net Version Registration Require Minimum MDAC Version Requirement	Success	

Figure 6: System Configuration Check Status

The installation process scans the computer for conditions that may block Setup.

- Click **Help** to view information about configuration check items.
- Click the Filter button to view a list of check items grouped by result. You can select a category from the

list.

- Click **Report** to view a report of SCC results. You can select an option from the list.
- 9. Click **Next** to proceed with the installation. The **Registration Information** wizard appears (Figure 7 below).

The Name field must b	a filled in ovier he overedly	. The Company Rold in	and an all
	se rilled in prior co proceedir	ig, the Company rield is i	aptional.
Jame:			
l <u>o</u> mpany:			
leace enter vour 25	character Product Key Voi	ucan find this number on	the vellow
ticker in the CD liner	notes or the CD sleeve.		010 701017
and the second		1970 - 1970 - 1970 - 1970 - 1970 - 1970 - 1970 - 1970 - 1970 - 1970 - 1970 - 1970 - 1970 - 1970 - 1970 - 1970 -	

Figure 7: Registration Information Wizard

- 10. Enter your information in the Name and Company fields.
- 11. Click Next. The Components to Install wizard appears.

Components to Install Select the components to install or upgrade.	
SQL Server Database Services	
🔽 Create a SQL Server failover cluster	
Analysis Services	
厂 Create an Analysis Server failover cluster	
Reporting Services	
Notification Services	
Integration Services	
Workstation components, Books Online and development tools	
For more options, click Advanced.	Advanced

Figure 8: Components to Install Wizard

- 12. Select your installation components. A description for each component group appears when you select it.
 - To install individual components, click **Advanced**.

Note: Analysis Services, Integration Services and Notification Services are not used or required by any Wonderware product. Reporting Services is used by Wonderware Information Server 3.0.

13. Click **Next** to continue. The **Instance Name** wizard appears (Figure 9 below).

and an an Alexandria	
nstance Name	
You can install a default instance or you can specify a named instance	
rovide a name for the instance. For a default installation, click Default lext. To upgrade an existing default instance, click Default instance. T amed instance select Named instance and specify the instance name.	t instance and click To upgrade an existing
Default instance One Named instance	
(Named Instance	

Figure 9: Instance Name Wizard

14. Select the **Default instance** option.

Note: Wonderware IndustrialSQL Server Historian 9.0 only supports MS SQL Server 2005 installed as the default instance. InTouch Alarm Logger can work with Named Instances. The **Default instance** option can only be selected when you install

15. Click Next. The Service Account wizard appears.

rvice Account	1
Service accounts define which accounts to log in.	
Customize for each service account	
S <u>e</u> rvice:	
	~
Use the built-in System account	m 🗾
O Use a domain user account	
Username:	
Password;	
Domain:	
tart services at the end of setup	
SQL Server	R
SQL Server Agent	0
SQL Browser	
	Inter Count
Help < Back I	Vext > Cancel

Figure 10: Service Account Configuration Wizard

- 16. Select Use the built-in System account and choose Local system from the list.
- 17. Select the **SQL Server** option in the **Start services at the end of setup** area.
- 18. Click Next. The Authentication Mode page appears (Figure 11 below).

uthentication Mode	1
The authentication mode specifies the security used when connecting to SQL Server.	
Select the authentication mode to use for this installation.	
C Windows Authentication Mode	
$\ensuremath{\textcircled{\text{\tiny O}}}$ Mixed Mode (Windows Authentication and SQL Server Authentication)	
Specify the sa logon password below:	
Enter password:	

Confirm password:	

	10 M

Figure 11: Authentication Mode Wizard

19. Select the **Mixed Mode...** option, and enter your sa password.

Note: Mixed Mode authentication is not required by Historian 9.0 or InTouch Alarm Logger. However, this option is easier to maintain and support.

20. Click Next. The Collation Settings wizard appears (Figure 12 below).

tion settings for service: SQL Serve	er
Collation designator and sort orde	r:
Polish	<u></u>
Binary	🔲 Binary - code point
Case - sensitive	🔽 Kana - sensitive
Accent - sensitive	Width - sensitive
SQL collations (used for compatibil Binary order based on code point co Strict compatibility with version 1.x Dictionary order, case-sensitive, fo Dictionary order, case-insensitive, i	ity with previous versions of SQL Server) omparison, for use with the 850 (Multilingual) case-insensitive databases, for use with the r use with 1252 Character Set. or use with 1252 Character Set.

Figure 12: SQL Collations Selection Wizard

- 21. Select the SQL collations (used for compatibility with previous versions of SQL Server) option.
- 22. Select Dictionary order, case-insensitive, for use with 1252 Character Set from the list.
- 23. Click Next. The Error and Usage Report Settings wizard appears (Figure 13 below).

	Automatically send Error reports for SQL Server 2005 to Microsoft or your corporate error reporting server. Error reports include information regarding the condition of SQL
	Server 2005 when an error occurred, your hardware configuration and other data. Error reports may unintentionally include personal information, which will not be used by Microsoft.
	Automatically send Feature Usage data for SOL Server 2005 to Microsoft. Usage data
	includes anonymous information about your hardware configuration and how you use our software and services.
For Helj	more information on the error reporting feature and the type of information sent, click

Figure 13: Error and Usage Report Settings Wizard

24. Leave default settings (shown) to disable error reporting, and click **Next**. The **Ready to Install** wizard appears (Figure 14 below).

ady to Install		
Setup is ready to be	gin installation.	
Setup has enough inf change any of your in	ormation to start copying the program files. To pro istallation settings, click Back. To exit setup, click (oceed, click Install. " Cancel.
The following c	omponents will be installed:	
SQL Serve (Database Service	er Datapase Services (es)	
SQL Serve (Database Servic Client Con (Connectivity Con	er Datapase Services ies) i ponents inponents, Management Tools)	
 SQL Serve (Database Servic) Client Cond (Connectivity Conditional) 	er Datapase Services ies) inponents inponents, Management Tools)	
 SQL Serve (Database Servic) Client Cond (Connectivity Condition) 	r Datapase Services ies) iponents mponents, Management Tools)	
 SQL Serve (Database Servic Client Con (Connectivity Con 	er Datapase Services nes) nponents mponents, Management Tools)	

Figure 14: Ready to Install Summary Wizard

- 25. Review the summary of features and components shown for your SQL Server installation, and click **Install**. The **Setup Progress** wizard appears. You can monitor the installation progress as Setup proceeds.
 - Select the product or status link to view the log file for a component during installation.

roduct	Status
MSXML6	
SOL Setup Support Files	Setup finished
SQL Native Client	Configuring components
SQL VSS Writer	
OWC11	
SQL Server Backward-Compatibility Files	
SQL Server Database Services	
Workstation Components, Books Onlin	
Thebus	
a i d	
Copying new hies	

Figure 15: Setup Progress Wizard

26. When the installation is complete, click **Next**. The Completing the Microsoft SQL Server 2005 Setup wizard appears.

roduct	Status
MSXML6	Setup finished
SQL Setup Support Files	Setup finished
SQL Native Client	Setup finished
SQL VSS Writer	Setup finished
0WC11	Setup finished
SQL Server Backward-Compatibility Files	Setup finished
SQL Server Database Services	Setup finished
Workstation Components, Books Onlin	Setup finished
	⊳

Figure 16: Setup Progress for Product Configuration and Status

27. View the Setup summary log by clicking the **Summary Log** link. Figure 17 (below) shows a typical product report.

Completing Microsoft SQL Server 2	2005 Setup
Setup has finished configuration of Mi	crosoft SQL Server 2005
Refer to the setup error logs for informat setup. Click Finish to exit the installation v	ion describing any failure(s) that occurred during wizard.
Summary Log	
o minimize the server surface area of SO disabled by default for new installations.	QL Server 2005, some features and services are To configure the surface area of SQL Server, use the
the second second second	
jurface Area Configuration tool.	
Surface Area Configuration tool. Analysis Services	
Analysis Services • If Analysis Services was upgrad	ed from SQL Server 2000, all cubes,
 Analysis Services If Analysis Services was upgrad dimensions, and mining model Management Studio. 	ed from SQL Server 2000, all cubes, Is must be reprocessed using SQL Server
Surface Area Configuration tool. Analysis Services If Analysis Services was upgrad dimensions, and mining model Management Studio. Reporting Services	ed from SQL Server 2000, all cubes, Is must be reprocessed using SQL Server
 Analysis Services If Analysis Services was upgrad dimensions, and mining model Management Studio. Reporting Services The Reporting Services installa 	ed from SQL Server 2000, all cubes, Is must be reprocessed using SQL Server
 Surface Area Configuration tool. Analysis Services If Analysis Services was upgrad dimensions, and mining model Management Studio. Reporting Services The Reporting Services installat determine whether further confidence 	ed from SQL Server 2000, all cubes, Is must be reprocessed using SQL Server
 Surface Area Configuration tool. Analysis Services If Analysis Services was upgrad dimensions, and mining model Management Studio. Reporting Services The Reporting Services installar determine whether further confi access the report server. If you i mean to mea	ed from SQL Server 2000, all cubes, Is must be reprocessed using SQL Server
 Analysis Services If Analysis Services was upgrad dimensions, and mining model Management Studio. Reporting Services The Reporting Services installar determine whether further confi access the report server. If you i report server can be used immediated in the Reporting Services installar determine whether further confinated to the report server can be used immediated in the Reporting Services installar determine whether further confinated to the report server can be used immediated in the Reporting Services installar determine whether further confinated to the report server can be used immediated in the Reporting Services in the Reporting Services in the Report server can be used immediated in the Report server can be used in the Report server server server can be used immediated in the Report	ed from SQL Server 2000, all cubes, Is must be reprocessed using SQL Server tion options you specified in Setup iguration is required before you can installed the default configuration, the ediately. If you installed just the program
 Analysis Services If Analysis Services was upgrad dimensions, and mining model Management Studio. Reporting Services The Reporting Services installar determine whether further confi access the report server. If you i report server can be used immediated immedimmediated immediated immediated immediated immedimmediated imm	ed from SQL Server 2000, all cubes, Is must be reprocessed using SQL Server tion options you specified in Setup iguration is required before you can installed the default configuration, the ediately. If you installed just the program

Figure 17: Setup Summary Log View

28. Click Finish to complete the Microsoft SQL Server 2005 Setup.

If you are instructed to restart the computer, do so now. Failure to restart the computer when prompted to do so may cause failures when you run the Setup program in the future.

A. Przysucha

Tech Notes are published occasionally by Wonderware Technical Support. Publisher: Invensys Systems, Inc., 26561 Rancho Parkway South, Lake Forest, CA 92630. There is also technical information on our software products at www.wonderware.com/support/mmi

For technical support questions, send an e-mail to support@wonderware.com.



© 2007 Invensys Systems, Inc. All rights reserved. No part of the material protected by this copyright may be reproduced or utilized in any form or by any means, electronic or mechanical, including photocopying, recording, broadcasting, or by anyinformation storage and retrieval system, without permission in writing from Invensys Systems, Inc. Terms of Use.