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1 Overview

1.1 About this Guide
This guide describes how to install SDL Translation Management System (SDL TMS) as of version 2011. It describes the system requirements for installing SDL TMS and provides information on how to configure the system before installation, outlining pre-installation steps and giving step-by-step instructions for installing SDL TMS and its component products.

1.2 Recommended Setup
We recommend a two-computer setup, having the SDL TMS core components installed on one server computer and the database server installed on a separate server computer.

1.3 Software and Hardware Requirements

1.3.1 SDL TMS Server
For the computer on which the SDL TMS server components are installed, the recommended specifications are as follows:

<table>
<thead>
<tr>
<th>Specification</th>
<th>Requirement</th>
</tr>
</thead>
<tbody>
<tr>
<td>Processor</td>
<td>4 CPU cores</td>
</tr>
<tr>
<td>RAM</td>
<td>8 GB</td>
</tr>
<tr>
<td>Hard Disk</td>
<td>We recommend dedicating at least 8 GB of space. Most of the deployments require significantly more space, since this space is used by the content that is being translated. Typical production environments have 60+ GB of space allocated for the solution and the data (out of which the solution is about 1 GB).</td>
</tr>
<tr>
<td>Operating System</td>
<td>Microsoft Windows Server 2008 R2 (Standard Edition or above) / Microsoft Windows Server 2012 (Standard Edition or above)</td>
</tr>
</tbody>
</table>

1.3.2 Database Server
For the computer on which the database is installed, the recommended specifications are:

<table>
<thead>
<tr>
<th>Specification</th>
<th>Requirement</th>
</tr>
</thead>
<tbody>
<tr>
<td>Processor</td>
<td>4 CPU cores</td>
</tr>
<tr>
<td>RAM</td>
<td>8 GB</td>
</tr>
<tr>
<td>Hard Disk</td>
<td>RAID 5 Array for SQL Logs &amp; Data. Size requirements will depend on usage.</td>
</tr>
<tr>
<td>Operating System</td>
<td>Microsoft Windows Server 2008 R2 (Standard Edition or above) / Microsoft Windows Server 2012 (Standard Edition or above)</td>
</tr>
<tr>
<td>Database Server</td>
<td>Microsoft SQL Server 2008 / 2012 (Standard Edition or above)</td>
</tr>
</tbody>
</table>
1.4 Overview of the SDL TMS Installation Process

The following diagram gives an overview of the steps you will take when installing SDL TMS. Each of the steps has their own chapter within this guide.

- Install Microsoft Windows Server 2008 / 2012 Components
- Install and Configure Microsoft SQL Server 2008 / 2012
- Apply Updates and Patches

- Install pre-requisites
- Run the SDL TMS installer
- Install Service Packs
- Verify the installation
2 Installation Step 1 – Server Preparation

2.1 About Server Preparation
If you are installing SDL TMS for the first time, prepare both the server computer where you intend to install SDL TMS and the computer you intend to use as the database server. If you are not installing SDL TMS for the first time, you can proceed to Installation Step 2 – Install SDL TMS.

2.2 User Accounts
To install and run SDL TMS, the following user accounts are required:

- Local administrator account
- A domain account (required permissions listed in 2.2.2 SDL TMS Domain Account).

2.2.1 Local Administrator Accounts
Local administrator accounts are required for both the SDL TMS server and the database server, in order to perform installation and configuration.
In this guide, the local administrator account is referred to as <Local_Admin_User>.

2.2.2 SDL TMS Domain Account
Create or nominate a domain account for SDL TMS to run as. We recommend that this account does not have password change enforced.
In this guide, the SDL TMS domain account is referred to as <TMS_Domain_User>.

Note: For the installation, this domain account needs administrator rights on the server computer where you are installing SDL TMS. After installation, you can remove this account from the local administrator group. Additionally, as part of the installation routine, the SDL TMS installer adds <TMS_Domain_User> to the IIS_IUSRS local user group.

2.3 Prepare the SDL TMS Server
To prepare the server where SDL TMS Server will be installed, all required prerequisites have to be installed (see 2.3.1).

Note: For the SDL TMS server, we recommend using a separate partition for all SDL TMS Application and Data files. This partition must be at least 32 GB in size but, depending on the scale of your deployment, you may need to increase this size.
2.3.1 Install prerequisites components

In order to have SDL TMS running properly, there is a list of prerequisites which are required to be installed on the server, as follows:

3. Microsoft Internet Information Server (IIS)
4. Microsoft Message Queue (MSMQ)
5. Microsoft MSXML 4.0 Parser
6. Microsoft System CLR Types for SQL Server 2012
7. Microsoft System CLR Types for SQL Server 2012 x64
8. Microsoft SQL Server 2012 Management Objects
9. Microsoft SQL Server 2012 Management Objects x64
10. Microsoft SQL Server 2012 Native Client x64
11. Microsoft SQL Server Compact 4.0 ENU x64
12. Microsoft Visual C++ 2005 x86 Redistributable
13. Microsoft Visual C++ 2008 x86 Redistributable
14. Microsoft Visual C++ 2010 x86 Redistributable

The installation files you find on FTP (for details, see 3.2 Installation Files) contain SDL TMS Prerequisites.exe which lets you install all the components from the above list.
In case each component was installed successfully, if you double click again the SDL TMS Prerequisites Installer.exe, it should display the screenshot below:
2.4 Prepare the Database server

Configure SQL Server 2008/2012 to Enable Remote Connections using TCP/IP. For details, see 2.4.1.

Allow Extended Stored Procedures (necessary for the SDL TMS 2007 installer to create the database user).

2.4.1 Configure SQL Server 2008 / 2012 to Enable Remote Connections using TCP/IP

Once Microsoft SQL Server 2008/2012 has been installed, in addition to any configuration you may do when following the manufacturer's guidelines, you must also configure the installation to enable remote connections using TCP/IP.

1. Go to Start > All Programs > Microsoft SQL Server 2008 / 2012 > Configuration Tools > SQL Server Configuration Manager.

The SQL Server Configuration Manager window is displayed.

2. Click the Surface Area Configuration for Services and Connections link.

The Surface Area Configuration for Services and Connections dialog box is displayed.

3. In the navigation tree on the left hand side, select SQL Native Client Configuration.

4. On the right hand side TCP/IP and named pipes are marked as enabled.

5. To enable Ole Automation, open SQL Server 2008 / 2012 Management Studio, right-click the server node in the object explorer and choose Facets from the context menu.

6. Within the View Facets window select “Surface Area Configuration” from the Facet drop down list.

7. In the list of properties for this facet, set “OleAutomationEnabled” to “True”, ONLY REQUIRED DURING INSTALLATION.
### Surface Area Configuration

**Facet:** Surface Area Configuration

**Description:** Surface area configuration for features of the Database Engine. Only the features required by your application.

<table>
<thead>
<tr>
<th>Feature</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>AdHocRemoteQueryEnabled</td>
<td>False</td>
</tr>
<tr>
<td>CLRIntegrationEnabled</td>
<td>False</td>
</tr>
<tr>
<td>DatabaseMailEnabled</td>
<td>False</td>
</tr>
<tr>
<td>OleAutomationEnabled</td>
<td>True</td>
</tr>
<tr>
<td>RemoteDBEnabled</td>
<td>False</td>
</tr>
<tr>
<td>ServiceBrokerEndpointActive</td>
<td>False</td>
</tr>
<tr>
<td>SoapEndpointEnabled</td>
<td>False</td>
</tr>
<tr>
<td>SqlMailEnabled</td>
<td>False</td>
</tr>
<tr>
<td>WebAssistantEnabled</td>
<td>False</td>
</tr>
<tr>
<td>XMLCrsShellEnabled</td>
<td>False</td>
</tr>
</tbody>
</table>

**OleAutomationEnabled**

This OLE Automation extended stored procedures (XPs) allow to execute T-SQL batches, stored procedures, and triggers to reference custom OLE Automation objects.

Export Current State as Policy...
3 Installation Step 2 – Install SDL TMS

3.1 About Installing SDL TMS

Installing SDL TMS is a cumulative process. First you run the SDL TMS 2007 SP1 installer and then you apply all of the later updates and service packs to the installation using separate installers.

Note: The installers will perform the database creation and setup.

When you install SDL TMS, the SDL TMS website is installed as the default website on your SDL TMS server and any existing websites are overwritten. SDL recommends that the first time you install SDL TMS, you do so on a clean server.

3.2 Installation Files

The SDL TMS installation files are located on ftp://sdlpatches.5dlpatch35@ftp.sdlproducts.com/SDL%20TMS/ and the appropriate sub-folder. There you will find an ISO image which you need to download. This ISO contains the following files:

- DatabaseDeployment.exe
- SDL TMS 2011 Installation Guide.pdf (this current file)
- Sdl.ContentCollector.msi
- Sdl.Nexus.msi
- Sdl.Sjp.msi
- Sdl.Tms.Passolo.2015.msi
- Sdl.Tms.Sdk.msi
- SDLNexus.jar
- SDLTMS 10.x.x.xxxx.0.exe
- TMS2007SP1 - For Fresh Installs. This folder contains:
  - Data1.cab
  - ISScript1050.msi
  - jre-1_5_0_12-windows-i586-p.exe
  - Readme.txt
  - SDLTMS2007.lsu
  - setup.exe
  - setup.isn
  - TradosCompatibility1.msi

Note: Any hotfix, patch or service pack released after the publication of this guide will also need to be installed. You can download these from the SDL TMS FTP site. Login details for this site can be obtained from your SDL representative.
3.3 Install SDL TMS 2007 SP1

This section describes how to install SDL TMS 2007 SP1. All components are installed on the same server.

3.3.1 Start the Installation

3. jre-1.5.0_12-windows-i586-p.exe - optional – this is required for TMS 2007/2011 Legacy INX filter
4. setup.exe - TMS 2007 Installation program
5. Login to the SDL TMS server as <Local_Admin_User> and double-click on setup.exe to launch the SDL TMS installation wizard. The first page to be displayed contains the destination folder for the installation files.
6. Click Finish to return to the master installation process. The Welcome page of the SDL TMS 2007 installation wizard is displayed.

![Image of the Welcome page of the SDL TMS 2007 installation wizard]

3.3.2 Installing SDL TMS 2007

1. Click Next. The Installation Name screen is displayed.

![Image of the Installation Name screen of the SDL TMS 2007 installation wizard]
2. Enter the name by which SDL TMS server and the Database server will identify SDL TMS (the name of the computer is provided by default). This is essential for effective communication between the servers and it is also useful if you use a shared database server to identify specific SDL TMS installations.

**Note:** As this name uniquely identifies your installation and will be used in e-mails, we recommend that you use a name that will be familiar to your users, a company name, for example.

Do not use spaces or punctuation in the name.

3. Click **Next**. The **Select Features** page is displayed.

4. Do not change the default selections on this page. Click **Next**.

The **Choose Destination Location** page is displayed.

This page is where you choose the location for the SDL TMS application files. The default destination folder location follows Microsoft standards by installing files into the Program Files (x86) folder on the C:\ drive. However, we recommend that you install all your SDL TMS files to the separate partition you created earlier (see 2.3 Prepare the SDL TMS Server) under an SDL TMS subdirectory (for example: W:\SDL TMS). This helps you identify easily SDL TMS program files and makes the process of backing up your files easier.

Click **Browse** to select the default destination folder.
Once the installation is complete, do not attempt to move files from this location, as this will cause SDL TMS to fail. If you need to move the SDL TMS files, uninstall the application and then reinstall it to the required location.

5. Click Next when you have finished. The Website location page is displayed. The default destination folder location follows Microsoft standards by installing web files to the Inetpub folder on the C:\ drive. However, we recommend that you install them to the separate partition you created for the SDL TMS installation files (for example: W:\SDL TMS\Website). This helps you identify SDL TMS website files easily and may facilitate your backup procedures.

   Click Browse to select the default destination folder.

6. Click Next when you finish. The System User screen is displayed.

7. Complete the Domain, User and Password boxes by entering the relevant details for the domain account you want the SDL TMS system to run as (<TMS_Domain_User>).
8. Click **Next**. The **Database Server Login** screen is displayed. This is where you select a database server and specify connection details.

9. Under **Database Server**, click **Browse** to view a list of database servers. Select the server on which you installed and configured Microsoft SQL Server. Alternatively, enter the name of the database server associated with the installation. Under **Connect Using**, select **Windows authentication**.

**Note:** If you use Windows authentication, you must be logged in with an account having permissions to access the database server and permissions to install on this computer.

10. When you finish, click **Next**.

The **Database Details** screen is displayed. SDL recommends that you accept the default settings on this page. However, you can change any of the settings if you need to.
11. Click Next. The **Start Copying Files** page is displayed.

12. Check the summary of the installation settings and click **Next** to begin the install.

### Summary of the Installation Settings

<table>
<thead>
<tr>
<th>Installation Name</th>
<th>Identifies the SDL TMS server instance</th>
</tr>
</thead>
<tbody>
<tr>
<td>Selected Features</td>
<td>SDL Translation Management System, SDL TMS Broker System</td>
</tr>
<tr>
<td>Destination Folder</td>
<td>W:\SDL TMS\ (for example)</td>
</tr>
<tr>
<td>Website Location</td>
<td>W:\SDL TMS\Website</td>
</tr>
<tr>
<td>Windows User Account</td>
<td>&lt; TMS_DOMAIN_User &gt;</td>
</tr>
<tr>
<td>Database Server</td>
<td>&lt;SDL TMS Database Server&gt;</td>
</tr>
<tr>
<td>Database Server Login</td>
<td>&lt;TMS_DOMAIN_User&gt;</td>
</tr>
<tr>
<td>Database Details:</td>
<td></td>
</tr>
<tr>
<td>Database Name</td>
<td>&lt;SDL TMS Database&gt;</td>
</tr>
<tr>
<td>Data File</td>
<td>D:\Microsoft SQL Server\MSSQL.1\MSSQL\Data\DEV_SDL TMS_DATA.MDF (for example)</td>
</tr>
<tr>
<td>Data File Size</td>
<td>250 Mb</td>
</tr>
<tr>
<td>Log File</td>
<td>D:\Microsoft SQL Server\MSSQL.1\MSSQL\log\DEV_SDL TMS_DATA.MDF (for example)</td>
</tr>
<tr>
<td>Log File Size</td>
<td>100 Mb</td>
</tr>
</tbody>
</table>
13. Observe and ignore the following error:

14. When the installation is complete the **InstallShield Wizard Complete** page is displayed.
15. When the installer finishes, there is more step to do. Open IIS Manager and configure both SDL TMS Application Pools to run in 32bit process mode. If there is an additional website called “Default Web Site”, delete it, and just leave “SDLTMS”.

3.4 Install latest Service Pack

Install the latest Service Pack available (standard name format: SDLTMS 10.x.0.xxxx.0.exe). When you are running the installers, you must continue to use the same values that you used when completing the SDL TMS installer pages.

After running each file, log in to SDL TMS to verify the installation and check the log files produced by the installers. The log files can be found here <Path to SDL TMS Website>\logs\patch\.

Note: Each time you start SDL TMS, refresh your browser cache.

When you have run all of the installer files above, the installation of SDL TMS is complete.

3.4.1 Database Deployment Wizard

SDL TMS 2007 SP4 introduces a new methodology for deploying database changes. As part of the installation, the Database Deployment Wizard will run. When the application runs, click the “Go” button to make the necessary changes to upgrade the database. The Database Deployment Wizard will only run on the primary server; this installation step will be skipped on secondary servers (assuming that the patch has successfully installed on at least one server).
3.5 Verify the Installation

3.5.1 Log in to SDL TMS

Now that the installation is complete you can verify the installation. To log on to SDL TMS:

1. Launch the web browser on the SDL TMS server and navigate to http://localhost/.

   **Note:** You may need to disable your pop-up blocker when you open SDL TMS.

2. When prompted for a username and password, use the system administrator values you entered in the SDL TMS Administration account screen when you installed SDL TMS. If a new window is created and the SDL TMS Login screen appears, you have successfully installed SDL TMS.
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