

TMS dependencies

TMS relies on the following components:

- Microsoft SQL server database engine (2000...2008R2, express to enterprise)
- Microsoft Data Access Components 2.8 (MDAC 2.8) – included in Windows 7 , Vista and XP SP3
- Microsoft Visual Basic 6.0 runtime SP6
- SAP Business Objects Crystal Reports XI R2 runtime
- A PDF-file reader (for the TMS user manual), f.i. Acrobat Reader of Foxit Reader.

Installation

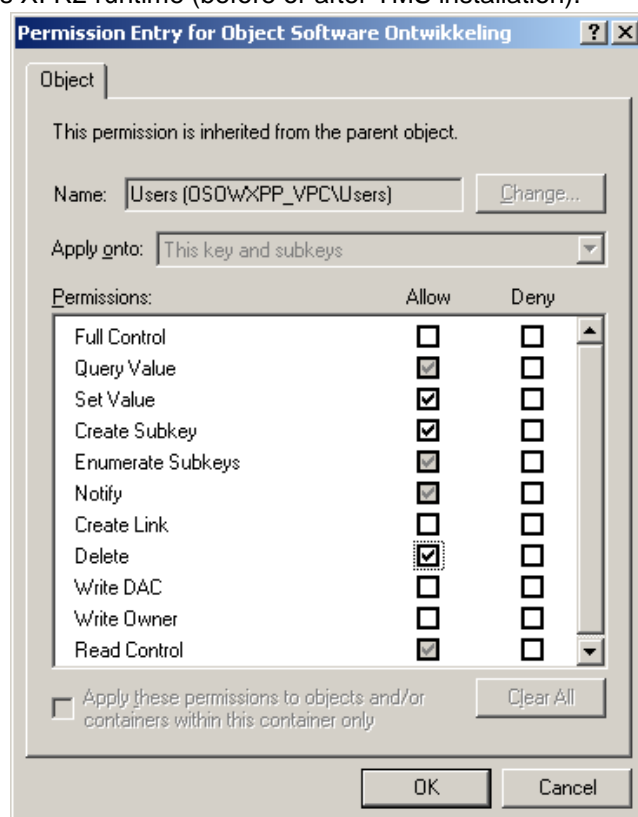
TMS 2.7 can be installed by using the provided setup files. Of course, local administrative rights are required to successfully install programs. The program can be installed to a network share and be configured to use more than 1 site (SQL database) using multiple database connection files (described further on). This installation document describes the installation of TMS on the workstation. Installation of SQL server and the TMS database is not part of this guide.

Steps

0. *Optional:* When NOT installing on Windows XP SP2, Windows 2003 server SP1 or higher install MDAC 2.8 using MDAC_28.exe. Usually you can skip this step (WinXPSP3/Vista/Win7).
1. Install TMS using **TMS_271.msi**. Follow the steps of the installation wizard to complete the installation. As an alternative a classing installer – **TMS_271.exe** – is also included. When TMS is installed with this installer you must also install the Crystal Reports XI R2 report engine to enable reporting. Use **CR11R2Runtime.msi** to install the Crystal Reports XI R2 runtime (before or after TMS installation).
2. Use **regedit** to enable the security options 'Set Value', 'Create Subkey' and 'Delete' for Users to the HKLM\Software\Object Software Ontwikkeling hive (inc. subkeys). See screenshot.
3. Edit the file TMS.ini residing in the TMS program directory using **DbConnectCfg.exe** (start menu→Tool Management System→Connection Configurator) or a text editor. Modify the keys Servername, DbName and Description to it's true server and database name. See 'Configuration of TMS for one or more sites'.

Optional steps

4. Enable OSO remote support for TMS. Open a command prompt with elevated/admin rights and change to the drive and the parent directory that TMS has been installed to (c:\program files\oso). Locate the file fastcom.exe and execute it with the parameter /regserver (i.e. fastcom /regserver). On success no message is displayed.
5. Reboot the system; sometimes the barcode fonts installed by TMS will not work properly until you reboot the system. If you cannot reboot (Terminal Server) you can avoid a reboot by installing the barcode fonts provided with TMS by hand using the fonts control panel.



Configuration of TMS for one or more sites

Use the program **DbConnectCfg.exe** to create or modify database connection .ini files. In this way you can pre-configure connections to one or more TMS sites. For each TMS site (using a different SQL database) a connection file is required.

A connection ini-file example:

```
[DBServer]
ServerName=BRESQL31
DbName=EBVTMSROT
NTSecurity=1

[Application]
Description=TMS ExxonMobil Rotterdam
StartServer=0
ShutdownServer=0
```

Create an ini-file for each site that uses TMS using **DbConnectCfg.exe** or a text editor such as Notepad. In stead of the Object Software Ontwikkeling .ini connection file format, Microsoft .udl files can also be used but these .udl files do not offer the options *description* and *SQL server service control*.

The first time a user runs TMS, the program will ask the user to select a connection file. The user can then create a desktop icon for the selected site plus TMS will remember the last configuration selected. The site selection screen can be opened also by using the /SelectConfig of /sc command line switch. The user can also change the working site from within TMS using *File* → *Select site*.

Configuration of TMS default add-ons

The Tool Management System has the ability to use add-ons to add, for example, functionality specifically for a customer. The user can configure the add-ons to be used but the IT personnel can pre-configure the add-ons to be used by editing the default add-on configuration file **TMSAddOn.ini** located in the TMS program folder. The installed **TMSAddOn.ini** already lists 3 major TMS add-ons and contains a link to the barcode reader management program Systools.

Standard add-ons description

The following add-ons are installed by default when using one of the installation files.

TMS_CopyCluster

Copies the content of an existing cluster (only it's non-serialized tools) to a new Cluster. The actual stock (number of items) will be increased with the number of tools copied.

TMS_ISTS

TMS Insert Serialized Tools Sequence add-in that adds multiple serialized tools using a sequence method. Requested and used by the ExxonMobil Antwerp Refinery Safety Shop site.

TMS_SLID

TMS Set Last Inspection Date. Use this add-on to set the inspection date of multiple serialized items to a specific date at once.

OSO remote support

Object Software Ontwikkeling BV offers support by telephone and e-mail but also via online remote support via the internet. For this purpose we use the Fastviewer Supported software (www.fastviewer.com a Siemens company). This software offers a secure and reliable way to view and control (after permission by the user) the TMS session on the end users computer. Access to the internet by the end-user is of course required. For the Fastviewer security and connection methods we like to refer to the document 'Fastviewer Connection and Security declaration' as provided on the TMS CD.

To further enhance the security of Fastviewer, the TMS software generates a unique password for the remote session that only Object Software can reproduce. This guaranties that the TMS remote support functionality can only be used to grant Object Software access to your TMS system. A remote connection is always initiated by the

end-user and the session can at any time be disconnected by the end-user. The session is setup with view access only and TMS always asks the user for permission before enabling remote control or remote file access. If required Object Software can record the support sessions for auditing purposes.

The remote support functionality is not enabled by default and you have to enable it with local administrative rights. To enable it you need to run the fastcom.exe module once with the /regserver parameter (with local admin rights). If you do not wish to utilize this remote support functionality you can disable it with the /unregserver parameter or remove the fastviewer client module fastcom.exe from the system.

Support

For installation and end-user support contact Object Software Ontwikkeling BV in the Netherlands. For more information about the Tool Management System visit <http://tms.objectso.nl>

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