



Synerion Upgrade and Workstation Setup Tools

TKSQL and iBrowse

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1 Overview

This document describes the usage of the **Synerion Upgrade Tool** and the **TKSQL Workstation Setup Tool**, as required for the update procedure.

- **Synerion Upgrade Tool** – upgrades the TKSQL programs, database and iBrowse for every release, starting with 5.10.06 and onwards
- **TKSQL Workstation Setup Tool** - upgrades the components in TKSQL workstation clients for every release

NOTE: *These tools are provided together as part of the same release.*

2 Synerion Upgrade Tool

In previous versions of the Upgrade Tool, IT personnel were required to upgrade their TKSQL and iBrowse installations separately. This meant installing the Major annual release and installing the latest version of the Service Pack. The new version of the Synerion Upgrade Tool allows you to update the TKSQL and iBrowse systems to the most recent Major release—including the latest version of Service Pack—all in a single go.

In the new version of the Synerion Upgrade Tool:

- It is possible to run the upgrade procedure from any workstation in the network.
- The update procedure does not use the source database, **DATASET**.
- Changes in Dealers and COLLATION are not required; they are required for new installation, only.

NOTE: *With this tool, it is possible to upgrade systems from version 5.10.06—30/06/2010—and higher.*

2.1 Intended Audience

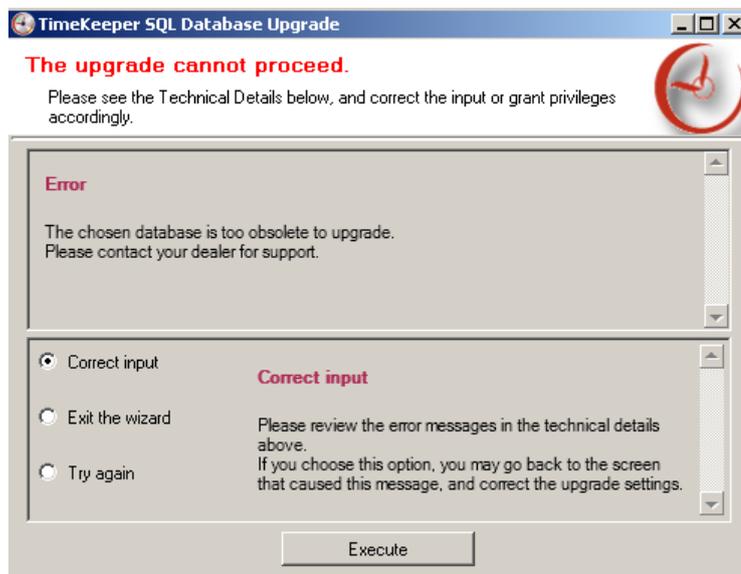
This tool is for authorized Windows Power Users/IT personnel only.

2.2 Prerequisite: Obsolete Versions

Use this tool only on TKSQL versions from **5.10.06** (released 30/06/2010), and up. If your version is earlier than 5.10.06, you must first upgrade to version 5.12.01 using the existing INSTALL tools. Then use the new upgrade tools to update your installation to the latest version of the application.

NOTE: *If the exact version is not known, you should assume that the system is older than 5.10.06—and execute the upgrade for an older system, using the procedure described in this section.*

If you try to upgrade from an old version of SQL Database, the system generates an error message and halts the upgrade procedure.



To upgrade from and old version of the DB (or a first-time installation):

1. Run the installation procedure using the existing INSTALL tools for TKSQL and iBrowse:

TKSQL_051201_20120131.exe

iBrowse_051201_20120131.exe

NOTE: *These tools are included in the major release 5.12.01, however they will not be updated in future releases.*

2. After successful installation, run the new Synerion Upgrade Tool—as described in the following sections.

2.3 Using the Synerion Upgrade Tool

This section describes the Synerion Upgrade Tool's basic usage.

To upgrade via the command line, see [Distribution via Command Line](#).

When iBrowse is installed separately from TKSQL, you must perform the upgrade for each system separately:

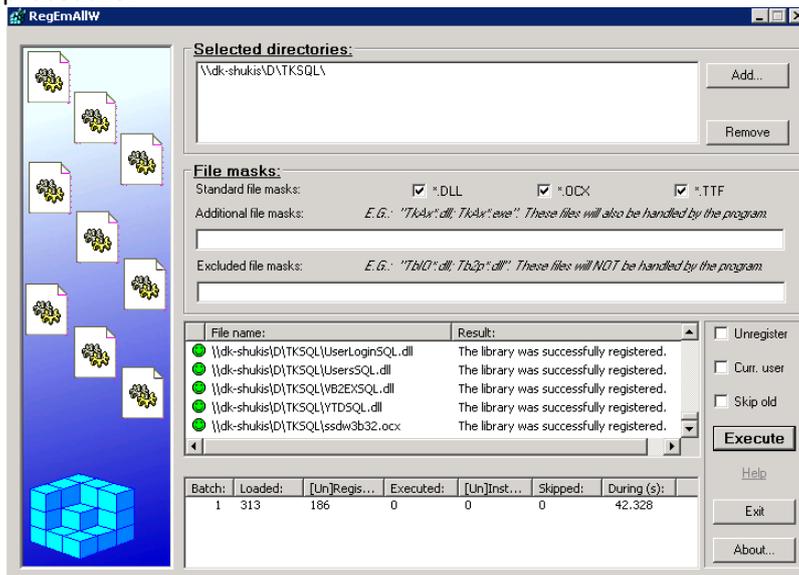
- Upgrade database and TKSQL program files (that is, the directory folder holding the program files that are used when system operators call the program);
- Upgrade iBrowse and TKSQL program files on the IIS server hosting iBrowse (that is, the local folder holding the TKSQL program files that serve iBrowse).

2.3.1 Upgrading the Database and TKSQL Programs

WARNING: The Synerion Upgrade Tool does not perform an automatic backup of **TK Program Files**. You must manually back up **TK Program Files** by creating a .ZIP of the folder before proceeding with the update.

To upgrade the DB and TKSQL programs:

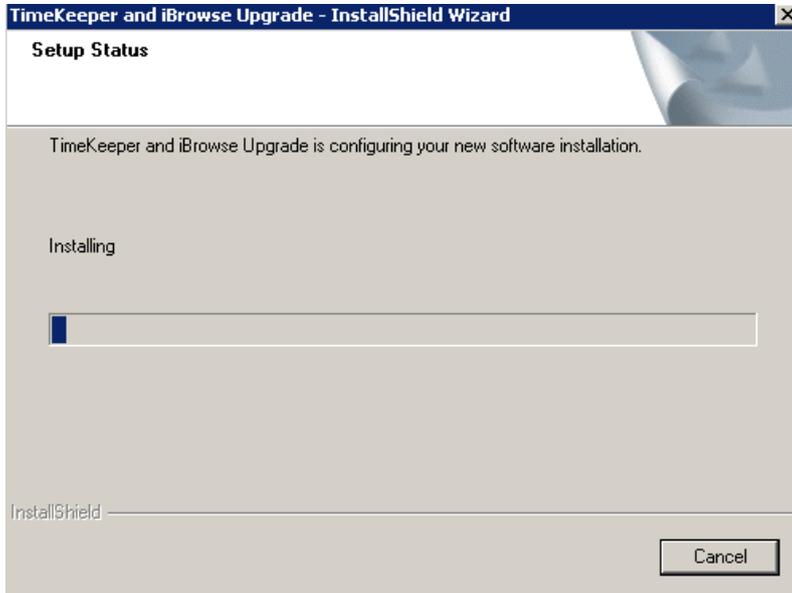
1. Run **RegEmAllW** registration for TKSQL programs before initiating the upgrade procedure:



NOTE: This step applies only if the workstation from where you are running the upgrade has never accessed TKSQL. If it has accessed TKSQL, then the files have already been registered. You can skip this step.

- 2. As an ADMINISTRATOR, run the Full Upgrade file:
SynerionUpgrade_51201_SP02_20120628.exe

The InstallShield Wizard initializes:



In addition, the **Synerion Upgrade** wizard welcome screen displays:

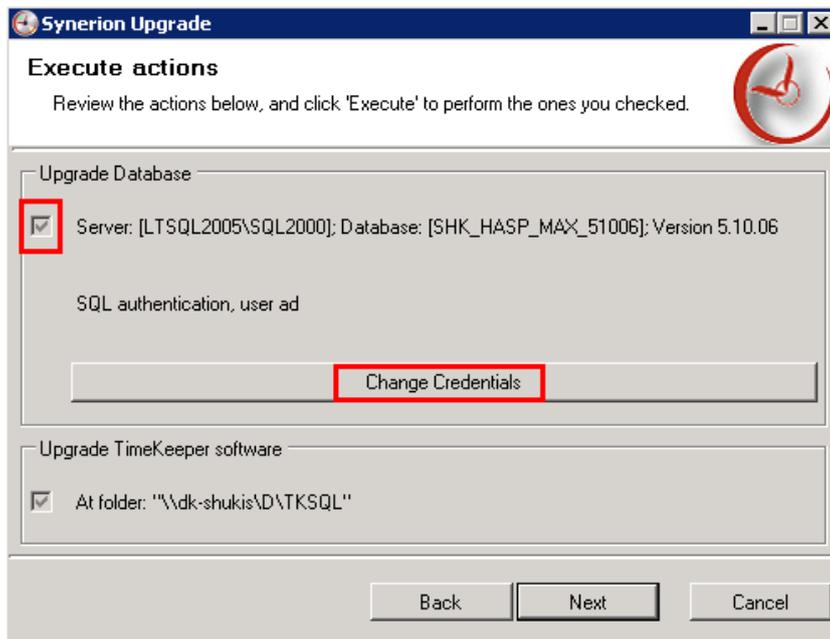


Welcome to the Synerion TimeKeeper
SQL/iBrowse Upgrade Wizard

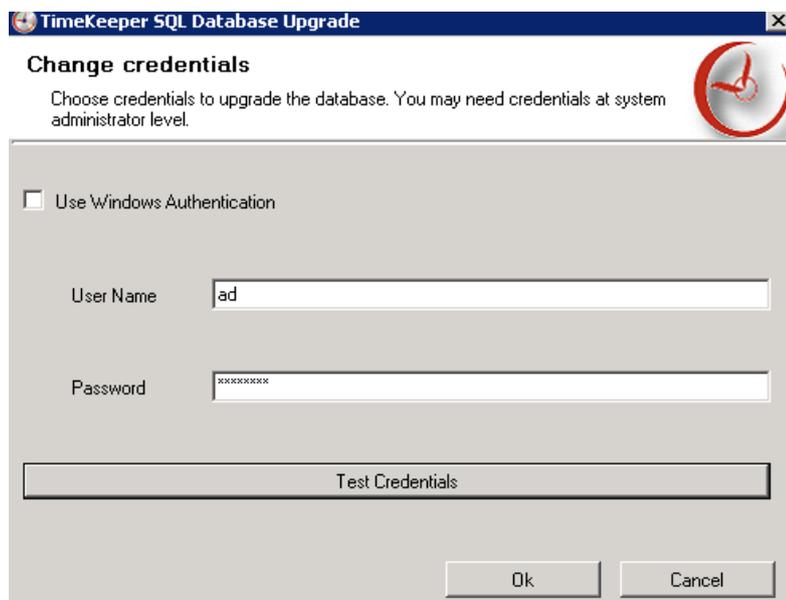
The Synerion TimeKeeper SQL/iBrowse Upgrade Wizard
allows you to upgrade existing Synerion components, and
to install a new instance of TimeKeeper SQL. Click Next
to continue or Cancel to exit the Synerion TimeKeeper
SQL/iBrowse Upgrade Wizard



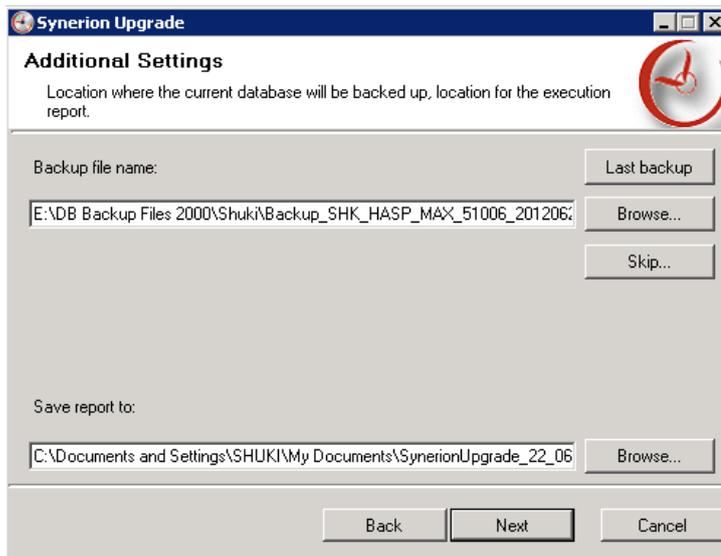
3. Click **Next**. The **Execute actions** screen is displayed.



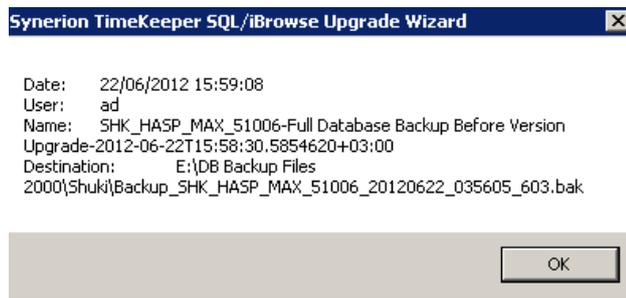
- The **Execute actions** screen indicates that the upgrade procedure is about to begin. Specifically, when the DB and or TK Programs are older than the current Synerion Upgrade Tools version, users cannot remove the "v" from the checkbox.
- In the event that SQL permissions in Tksql.ini are not sufficient to allow you to proceed, use the **Change Credentials** function to change to a user with the proper level of authorization. For security considerations, you can do this for purposes of upgrading only.



4. Click **Next**. The **Additional Settings** screen is displayed.

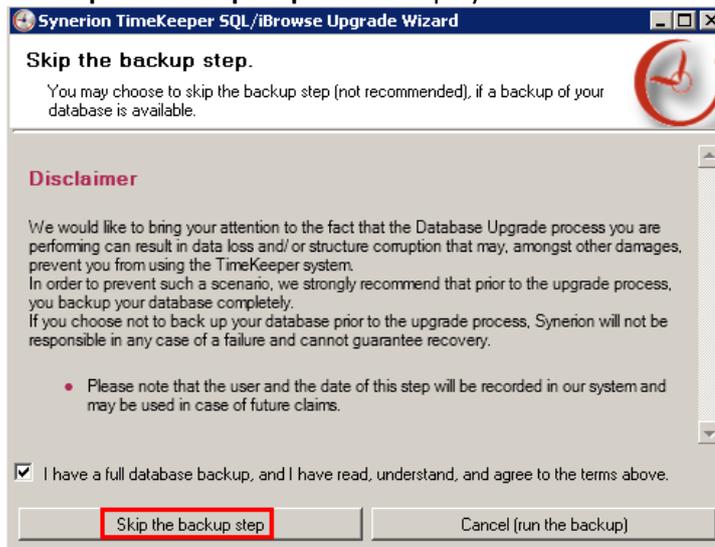


- The Upgrade Log is retained, by default, in: **\Documents and Settings\USER\My Documents** or **\Users\USER \Documents**.
- Click **Last Backup** button to see when the most recent backup was performed (if there has never been a backup, the button will not appear). Click **OK** to close.



5. (Optional) The DB backup procedure is enabled by default. If you wish to skip the DB backup, click **Skip...**

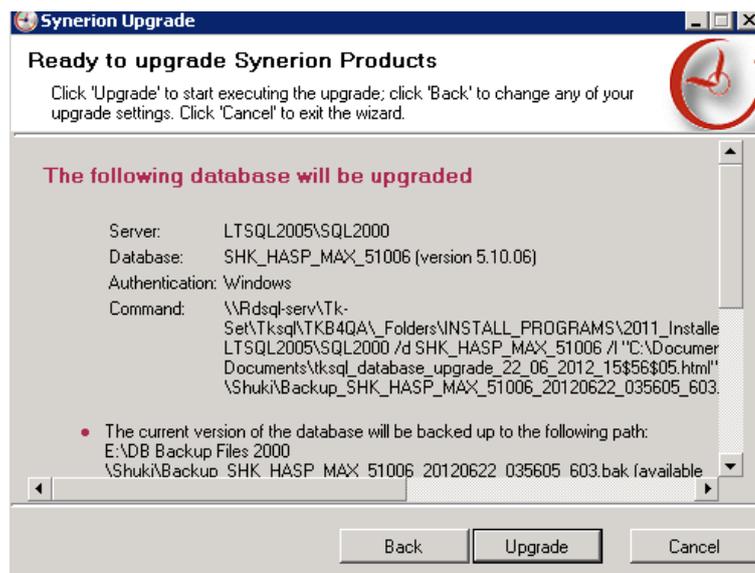
The **Skip the backup step** screen displays.

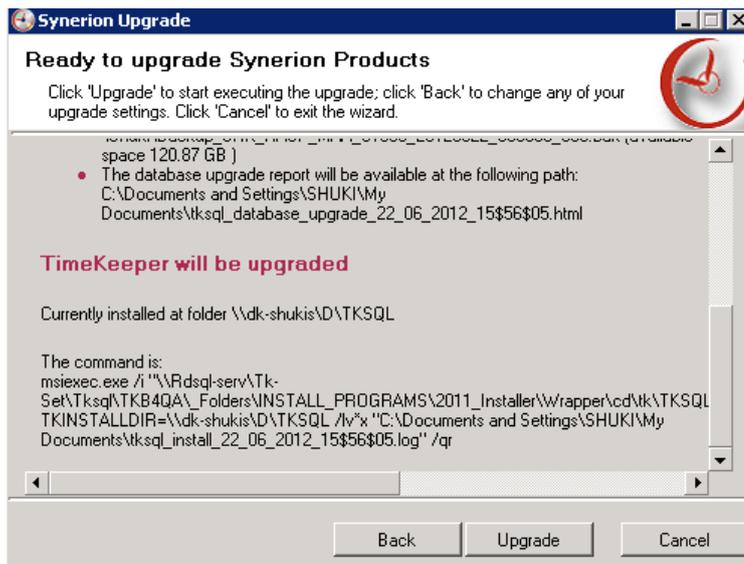


- To skip the backup process, do as follows:
 - 1) Read the disclaimer carefully, and at the bottom, in **I have a full database backup, and I have read, understand, and agree to the terms above**, click the checkbox. As a result, the **Skip the backup step** button is enabled.
 - 2) Click **Skip the backup step**.
 - Alternatively, click **Cancel (run the backup)** to run the backup process. This will be executed automatically by the upgrade process.
6. Click **Next**.

An information screen is displayed. This screen provides a summary of all actions to be performed by the upgrade.

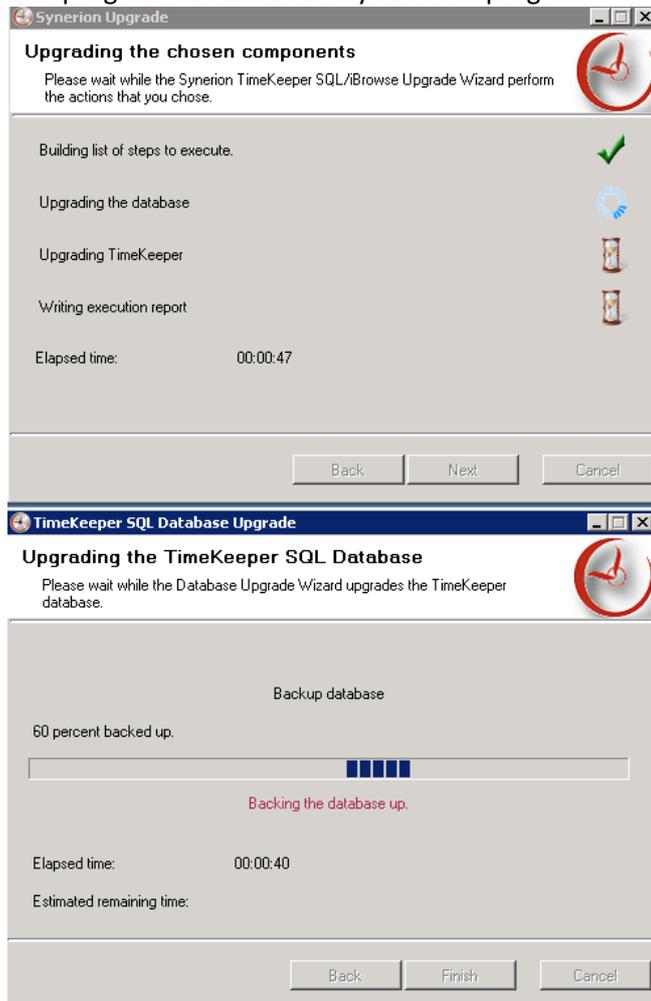
NOTE: If you chose not to backup the database, the line **The database will not be upgraded** is added.





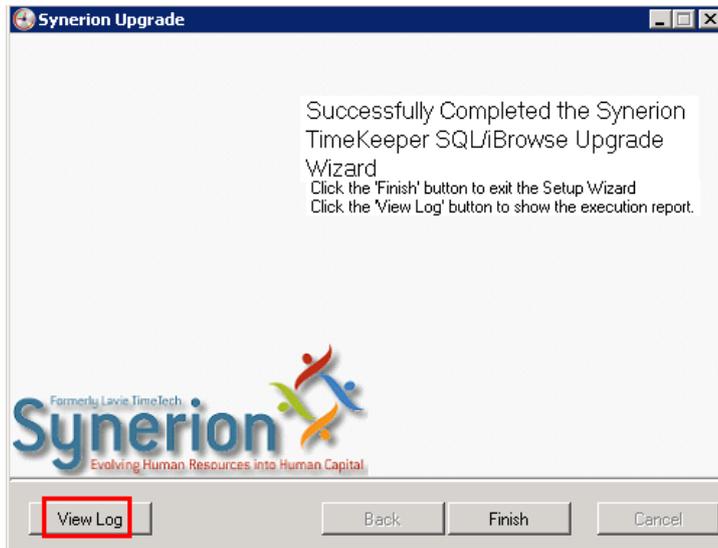
7. Click **Upgrade** to run the tool.

Two progress screens inform you of the progress of the upgrade, by component.

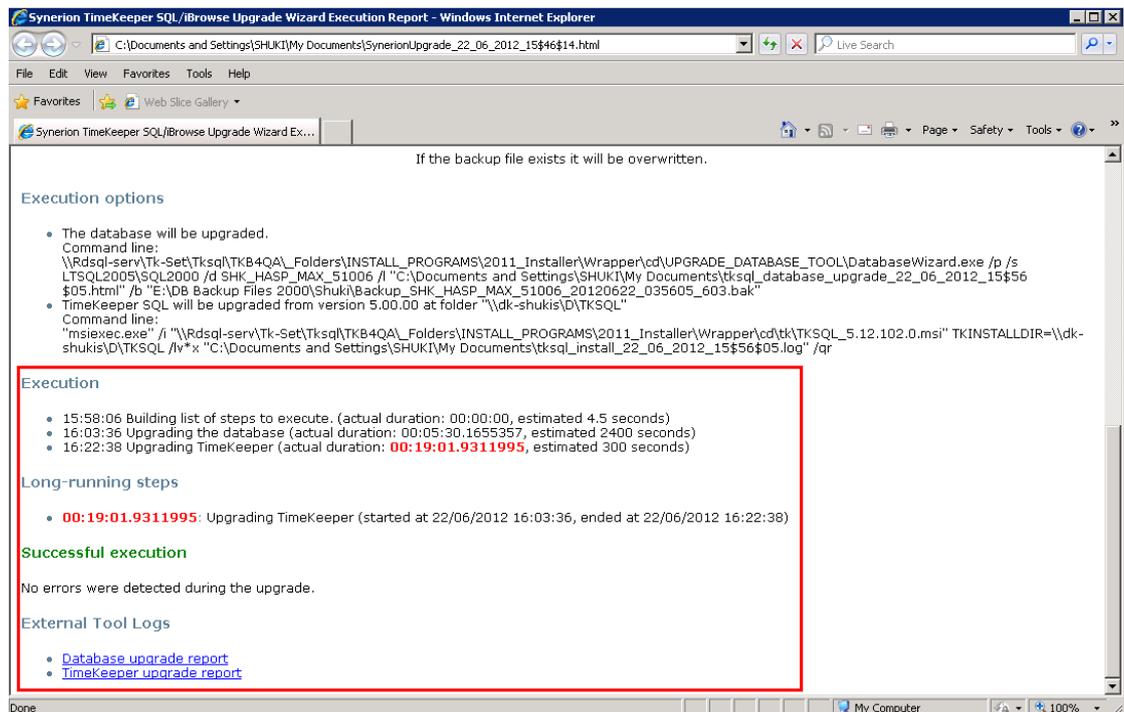


8. Upon completion, the **Finish** screen is displayed.

- **Successful Upgrade:**



- To view the logs, click **View Log**.
 The **Execution Report** opens.



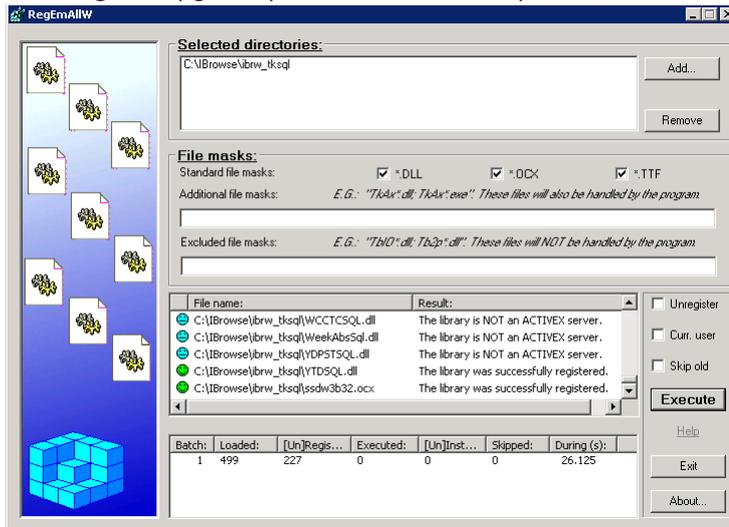
- To finish and exit the Setup Wizard, click **Finish** on the Synerion Upgrade screen.

2.3.2 Upgrading iBrowse and TKSQL Programs on an iBrowse Host Server (IIS)

WARNING: The Synerion Upgrade Tool does not perform an automatic backup of **TK Program Files**. You must manually back up **TK Program Files** by creating a .ZIP of the folder before proceeding with the update.

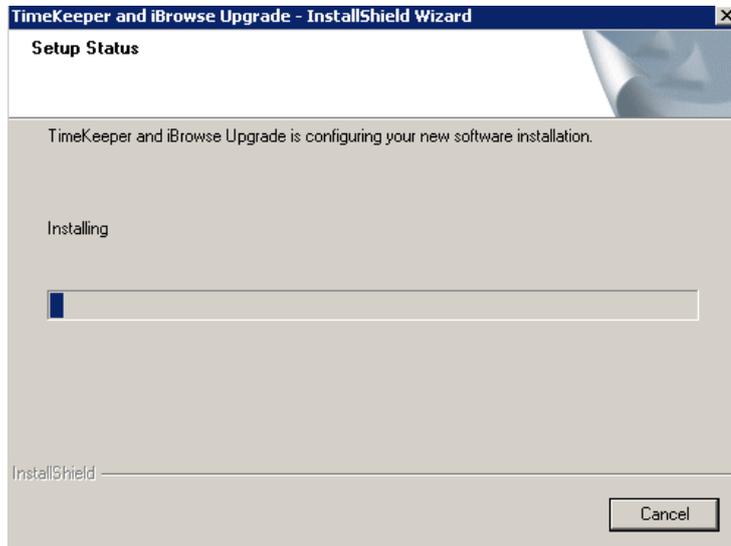
To use upgrade iBrowse and TKSQL Programs on an iBrowse Host Server (IIS):

1. Run **RegEmAllW** registration for TKSQL programs on your local workstation, before initiating the upgrade procedure. For example, **C:\iBrowse\ibrw_tksql**

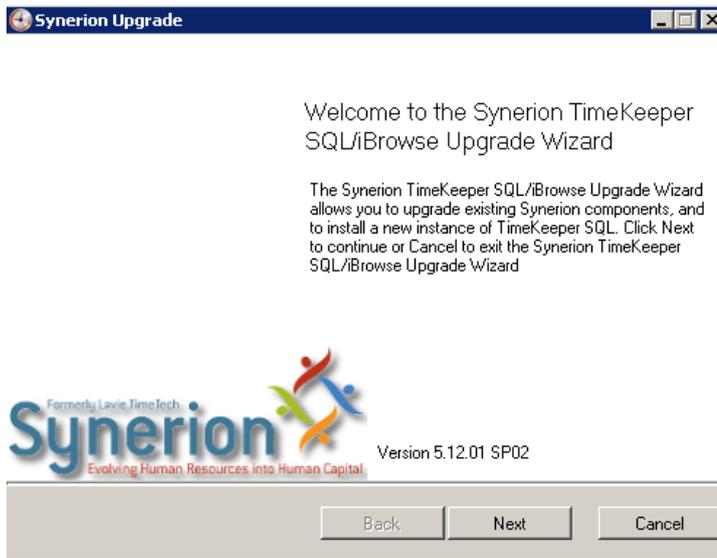


2. As an ADMINISTRATOR, run the **Full Upgrade** file.

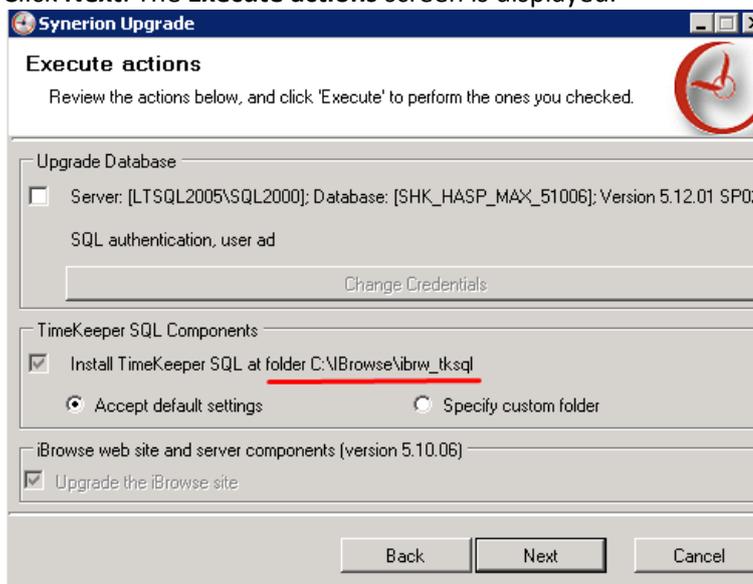
The InstallShield Wizard initializes:



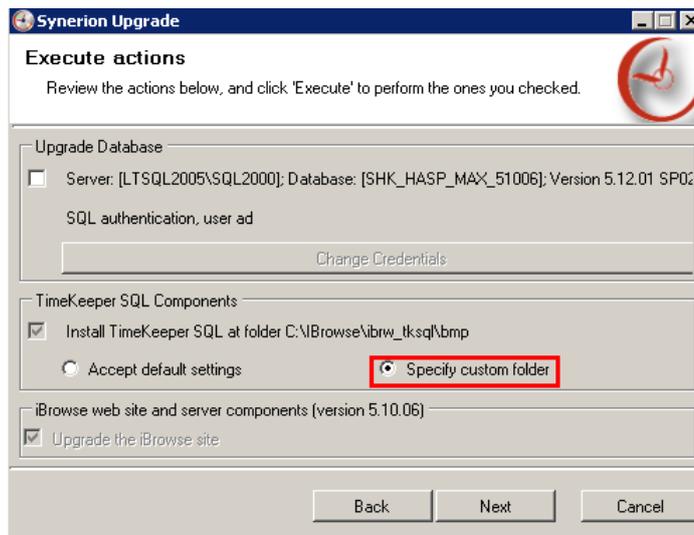
The **Synerion Upgrade** wizard welcome screen displays:



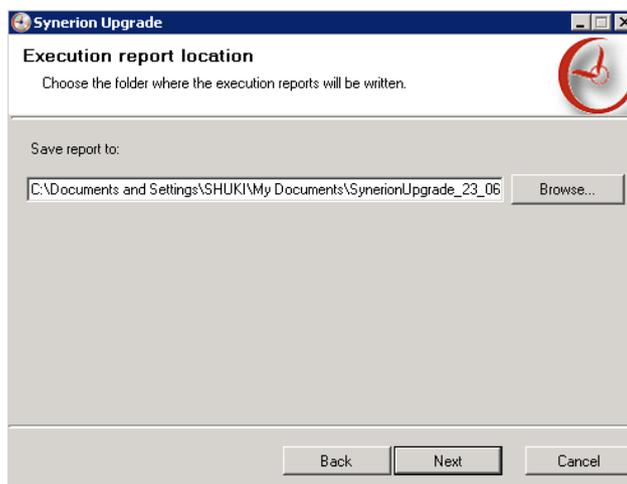
3. Click **Next**. The **Execute actions** screen is displayed.



- The program has identified that the DB has already been updated. Therefore, updating (a second time) is optional.
- It is possible to change the directory folder of TK Programs to another location on the server using the **Specify custom folder** command.

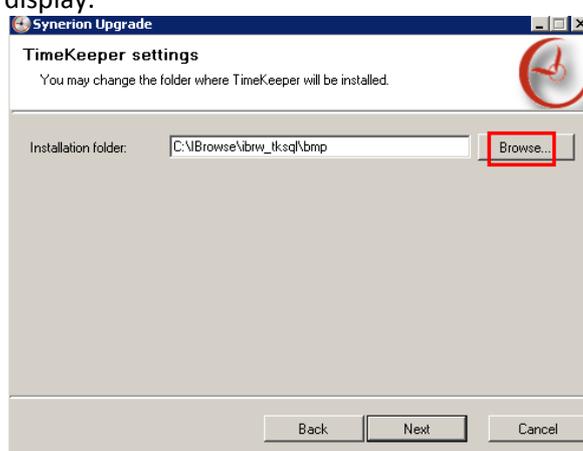


4. Click **Next**. The **Execution report location** screen is displayed.



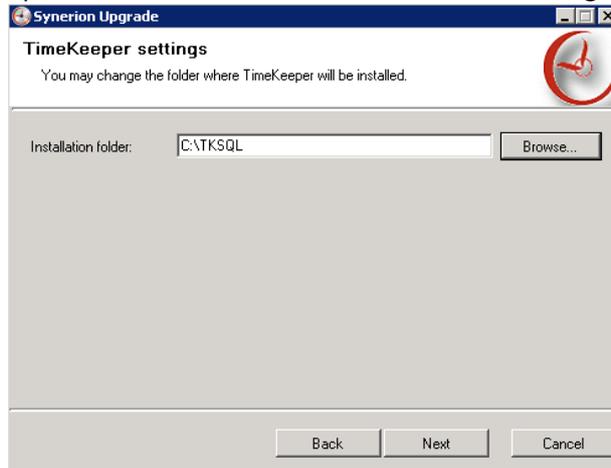
- From this screen, it is possible to change the default destination of the execution reports. To do this, use the **Browse** mechanism.

5. If you selected **Specify custom folder** in [Step 3](#), the **TimeKeeper settings** screen will display.

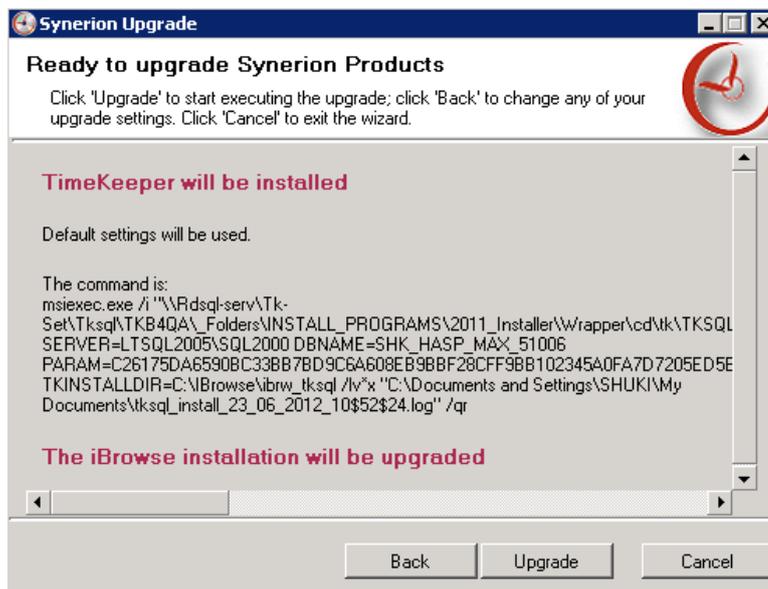


Synerion Upgrade and Workstation Tools TKSQL and iBrowse

- From this screen, it is possible to change the directory folder of TK Programs to another location on the local machine.
- **Important:** you must perform the following actions manually:
 - Delete the old TK Programs folder: **C:\iBrowse\ibrw_tksql**
 - Update iBrowse.ini in the new location of TK Programs: **C:\Tksql**

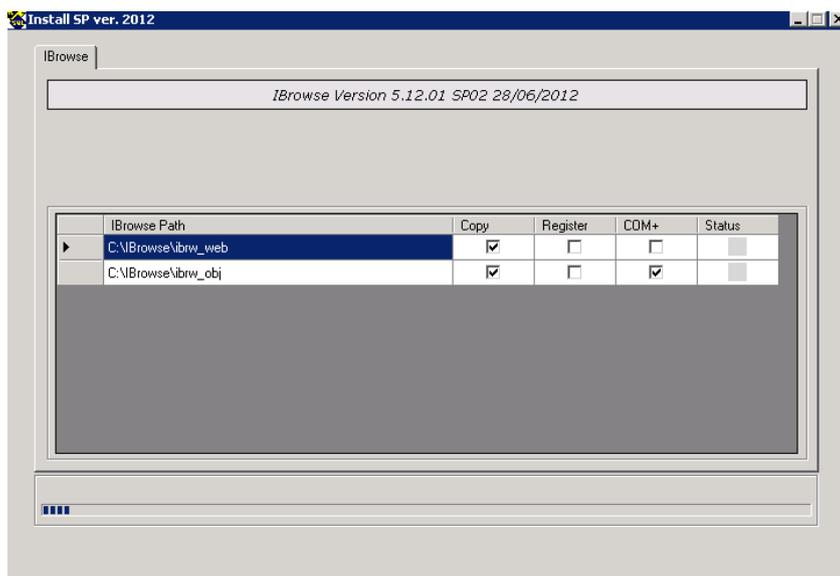
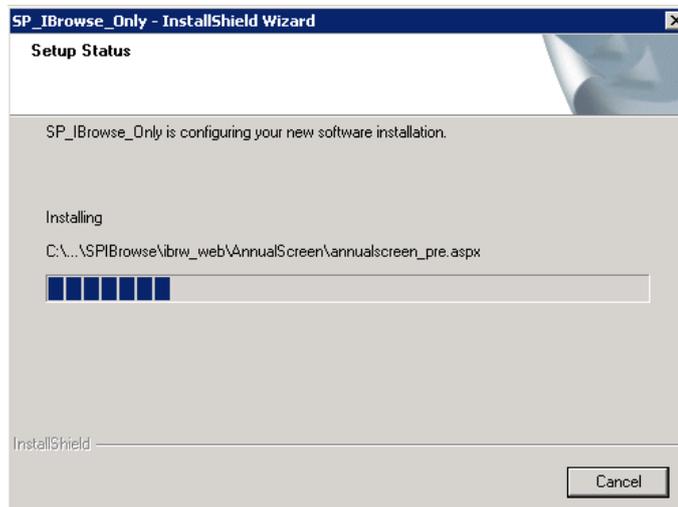
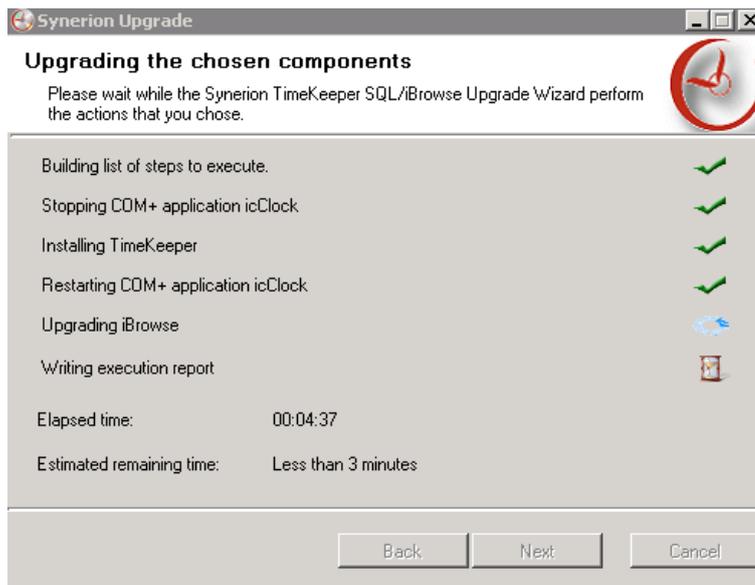


6. Click **Next**. The **Ready to upgrade Synerion Products** screen is displayed. This screen provides a summary of all actions to be performed during the Upgrade procedure.



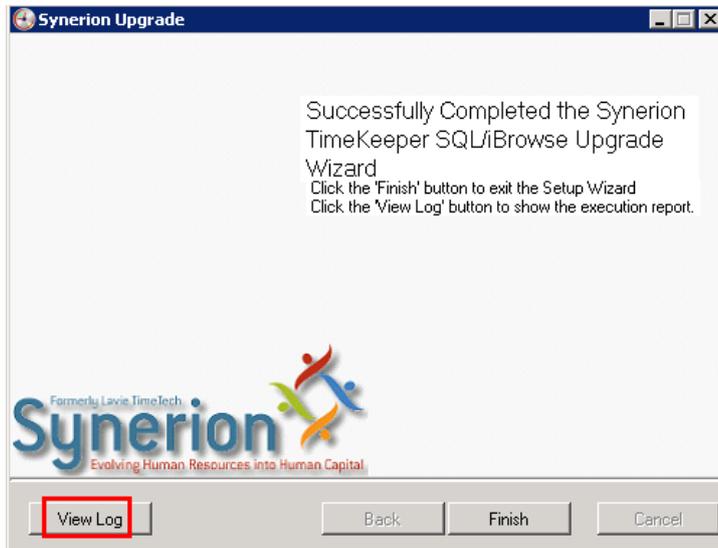
7. Click **Upgrade**. Two progress screens inform you of the progress of the upgrade, by component.

Synerion Upgrade and Workstation Tools TKSQL and iBrowse

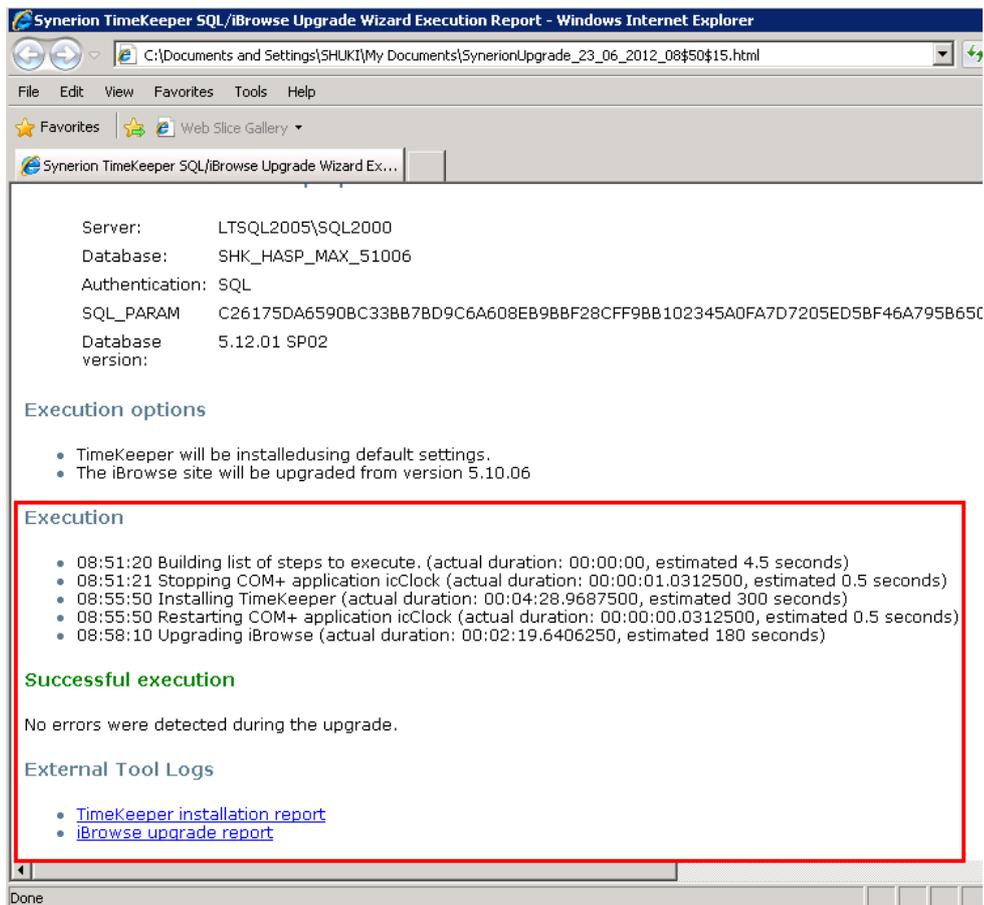


8. Upon completion, the **Finish** screen is displayed.

- **Successful Upgrade:**



- To view the logs, click **View Log**.
The **Execution Report** opens.



- To finish and exit the Setup Wizard, click **Finish** on the Synerion Upgrade screen.

3 TKSQL Workstation Setup Tool

Upon completing a periodic update of the TKSQL system, you must update each workstation with the new version of the TKSQL Workstation software. The latest version of the software is: **TKSQL_5.12.102.0_workstation.msi** (as of the release of the current document).

NOTE: *You do not have to run this file on the computer from which you ran Synerion Upgrade.*

3.1 Intended Audience

This tool is for authorized IT personnel only.

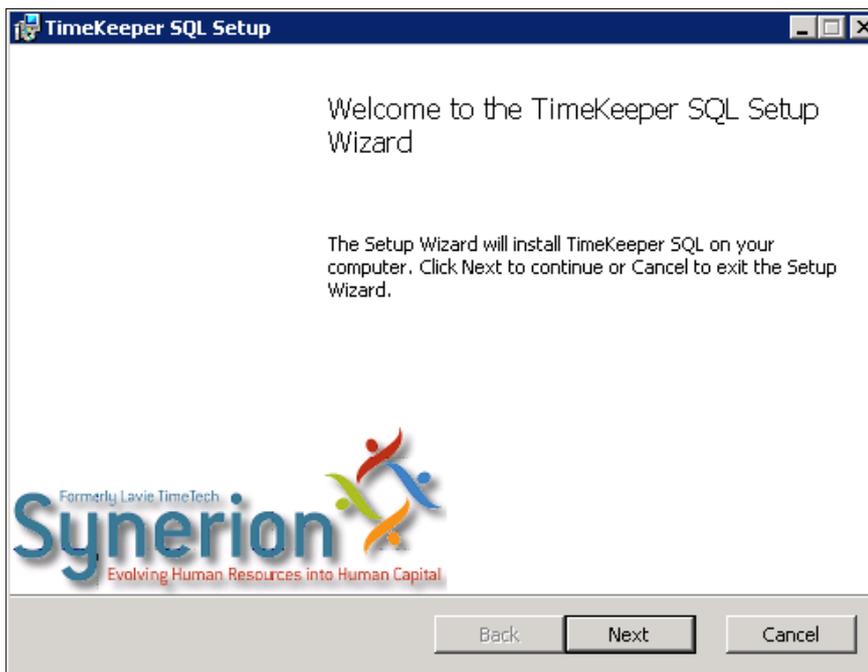
3.2 Installing via the Installation Wizard

To install via the Installation Wizard:

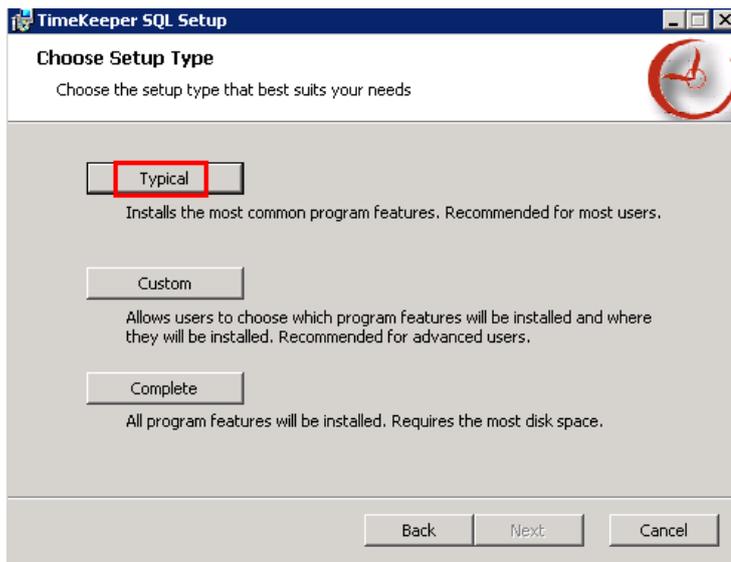
1. On the workstation where you want to install **TKSQL Workstation Setup Tool**, double-click the .msi installation file—**TKSQL_5.12.102.0_workstation.msi**. The Windows Installer will initialize.



After it computes space requirements, the **TimeKeeper SQL Setup** installation wizard is displayed.



2. Click **Next**. The **Choose Setup Type** screen is displayed.



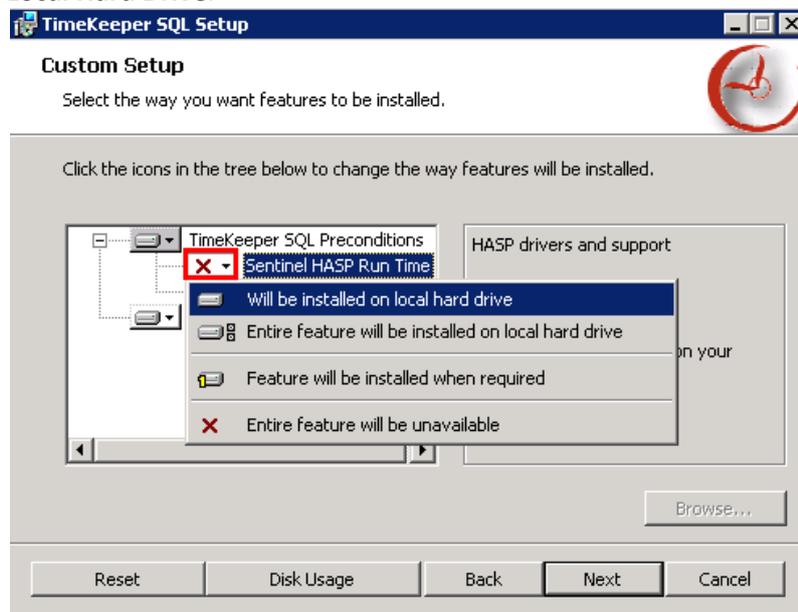
3. Click one of the following options:

- **Typical** – Installs TKSQL features plus VB components. For Typical, select this option and go to [Step 5](#).
NOTE: *If you are running setup on a machine that has a registered version of TKSQL already installed, the setup will use the existing configuration path. Otherwise, setup will use the default: C:\Program Files\Synerion Systems\TimeKeeper SQL\ or C:\Program Files (x86)\Synerion Systems\TimeKeeper SQL\.*
- **Custom** – select only the components that you want. If so, select this option. The **Custom Setup** screen is displayed (shown here). For Custom installation, select this option and go to [Step 4](#).

- **Complete** – Installs TKSQL features, VB components, plus HASP driver. If so, select this option and continue to [Step 5](#).
NOTE: *If you are running setup on a machine that has a registered version of TKSQL already installed, the setup will use the existing configuration path. Otherwise, setup will use the default: C:\Program Files\Synerion Systems\TimeKeeper SQL\ or C:\Program Files (x86)\Synerion Systems\TimeKeeper SQL\.*

4. For **Custom installations**, select one of these options:

- The option **TimeKeeper SQL Preconditions** installs the **Sentinel HASP Run-Time** and **Visual Basic 6 Run Time** Components.
 - To install both, click **Sentinel HASP Run-Time** and select **Will be Installed on Local Hard Drive**.



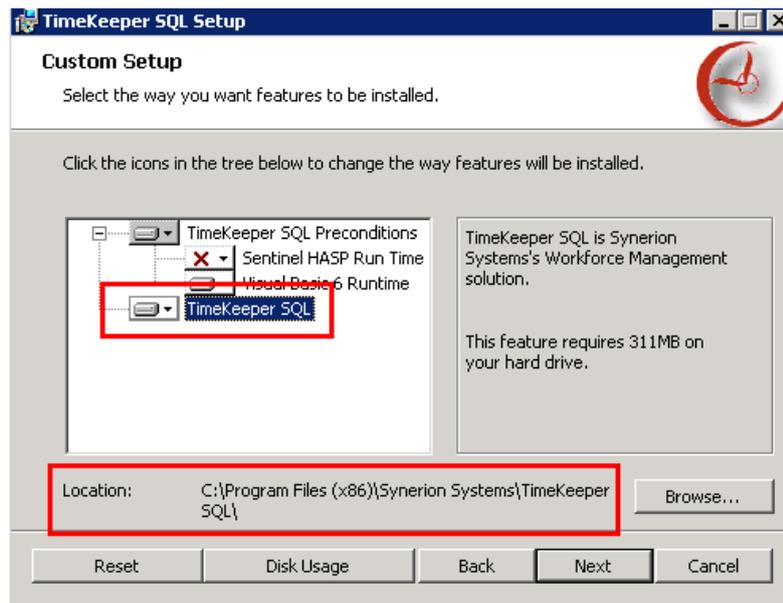
- To install only one component, click the component that you are installing and select **Will be Installed on Local Hard Drive**. For the component that you are not installing, click it and select **Entire feature will be Unavailable**.

NOTE: *The additional options are not applicable at this time.*

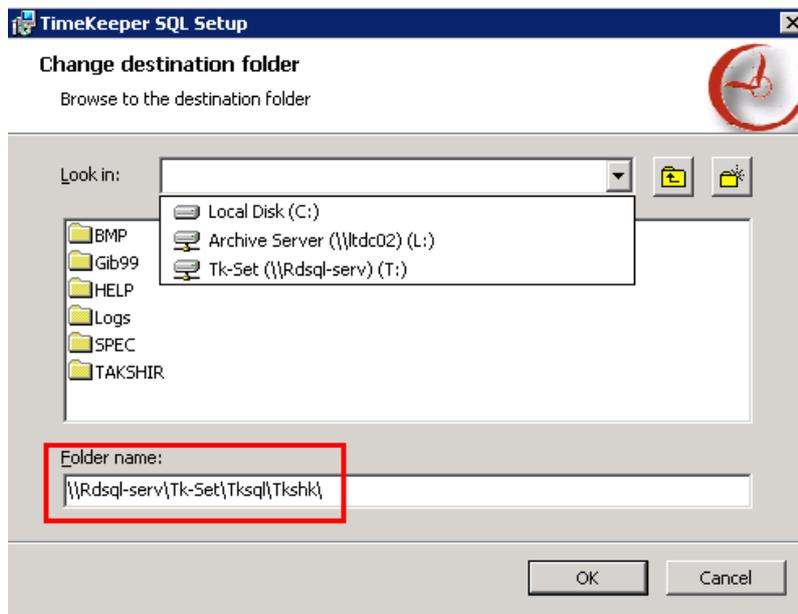
- The option **TimeKeeper SQL** registers the TKSQL application to the registries of the installation machine.
- To install TKSQL, select **Will be Installed on Local Hard Drive** (shown here), or
- If you are not installing TKSQL, and you are only installing the precondition components (HASP and/or VB), select **Entire Feature will be Unavailable**.

NOTE: *The Custom option is the only option that enables you to change the installation path.*

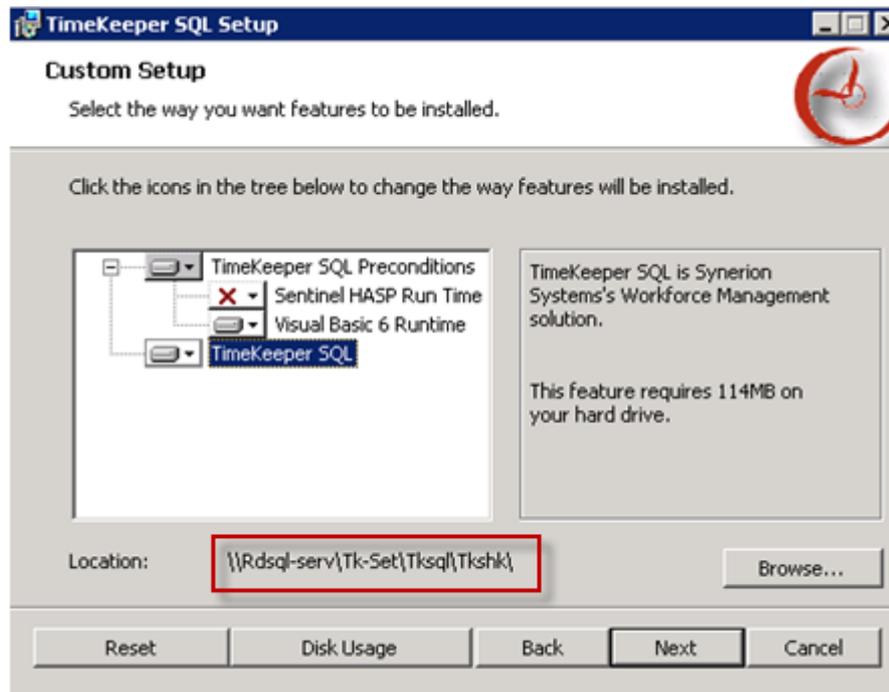
- Note that when you click the **TimeKeeper SQL** node, it displays the installation path according to the TKSQL programs in registration.



- If you are running setup on a machine that has a registered version of TKSQ already installed, but wish to change the configuration path, select this option. The current configuration path is shown; use **Browse** to select a different target location. Alternatively, paste the destination location in the **Folder name** field.

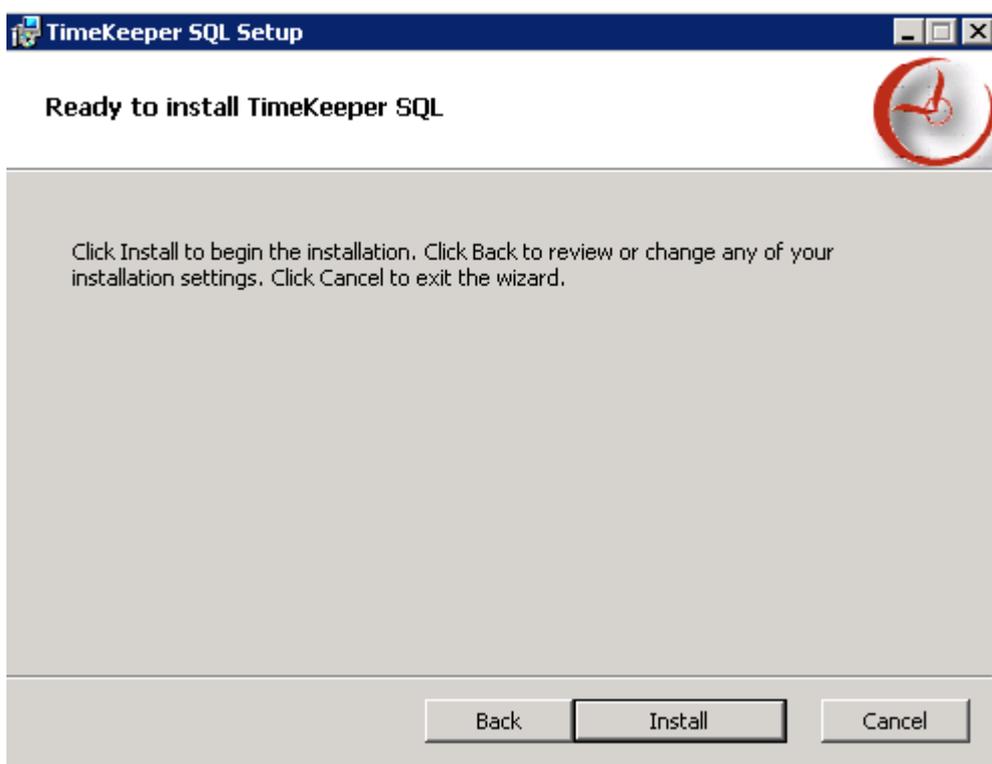


Click **OK** to return to **Custom Setup** screen; note that the new location is displayed in **Location** at the bottom.

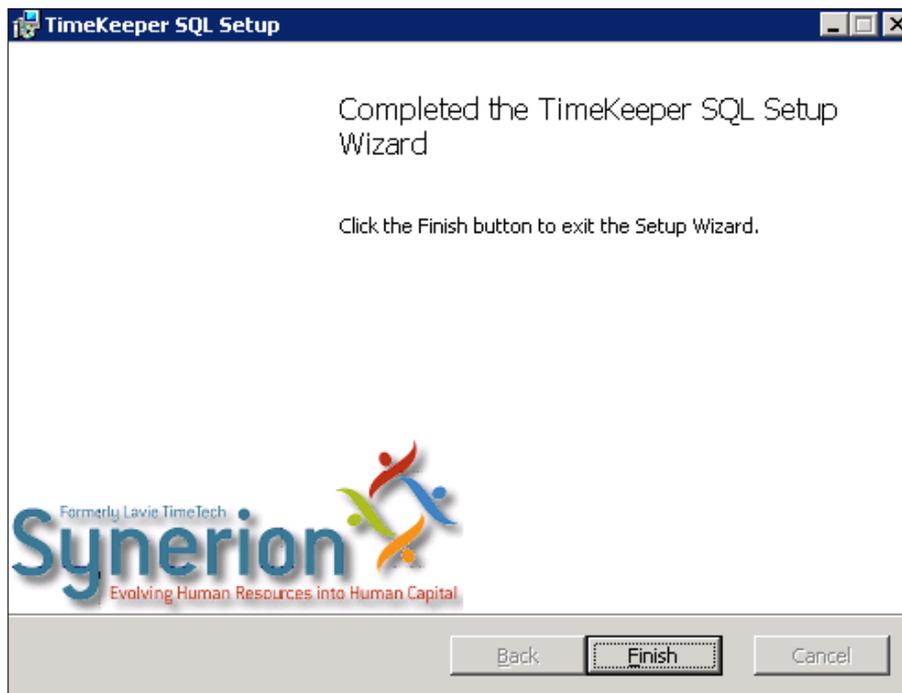


NOTE: To ensure that the path is changed, see [Appendix A: Viewing the Updated Path in the Workstation's System Properties](#).

- Click **Next**. The **Ready to Install TimeKeeper SQL** screen is displayed.



- Click **Install**. The installation process begins. Upon completion, the following screen is displayed.



7. Click **Finish**.

3.3 Distribution via Command Line

NOTE: *This procedure is for IT personnel only. Using the following command, IT personnel can upgrade multiple workstations via a single command.*

To install via command line (with a log):

- Enter the following into the command line:

```
C:\WINDOWS\SYSTEM32\MSIEXEC.EXE /i  
"\\Computer_Name\MSI_Folder\TKSQL_5.12.102.0_workstation.msi"  
TKINSTALLDIR="\\Computer_Name\TKSQL" /passive /norestart /lv*x  
"\\Computer_Name\MSI_Folder\Install_workstation.log"
```

Where:

TKINSTALLDIR= The folder where TKSQL programs will be installed. When passed from the command line, can be a UNC mapping, a network share, or the name of a folder in a local hard drive.

- For additional descriptions of the parameters, from **Start > Run**, enter **MSIEXEC.EXE**.

4 Appendix A: Consistent Versioning (Upgrade Tool)

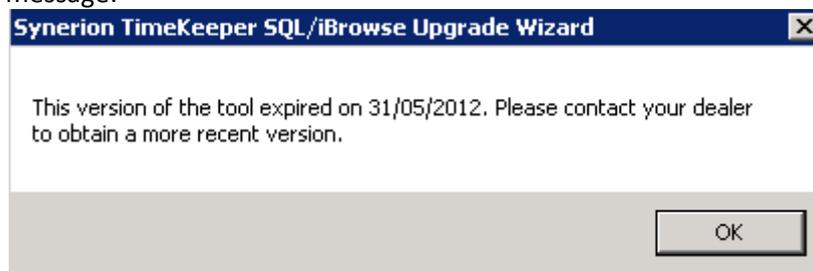
4.1 Maintaining consistent versioning across all workstations

At the conclusion of a Complete Upgrade, you must install the same version of TKSQL on every TKSQL workstation. It is not necessary to repeat the installation for each workstation. IT personnel can propagate the compatible installation using the command line **Active Directory**.

For example, the installation of a workstation compatible with SP02 5.12.01 from 28/06/2012: **TKSQL_5.12.102.0_workstation.msi**. You do not have to run this file on the computer from which you ran Synerion Upgrade.

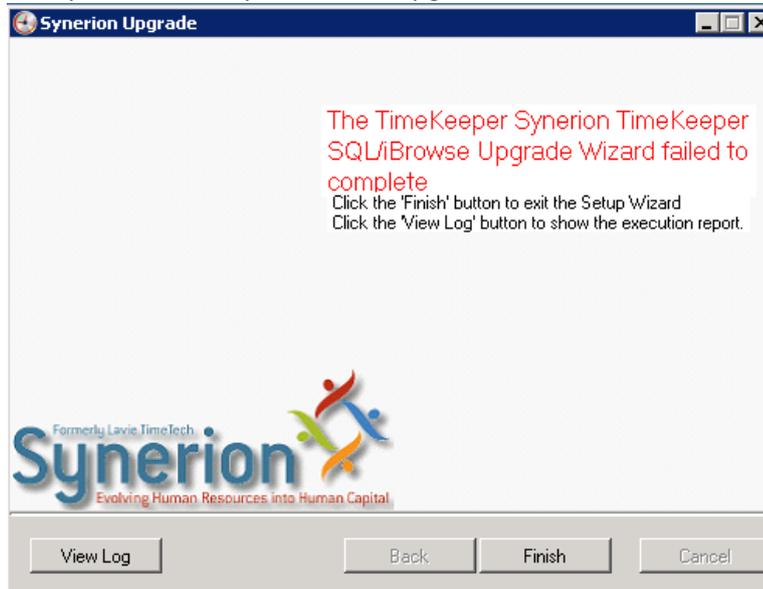
4.2 Expired version error

- When you use an older version of the Upgrade Tool, you receive the following error message:

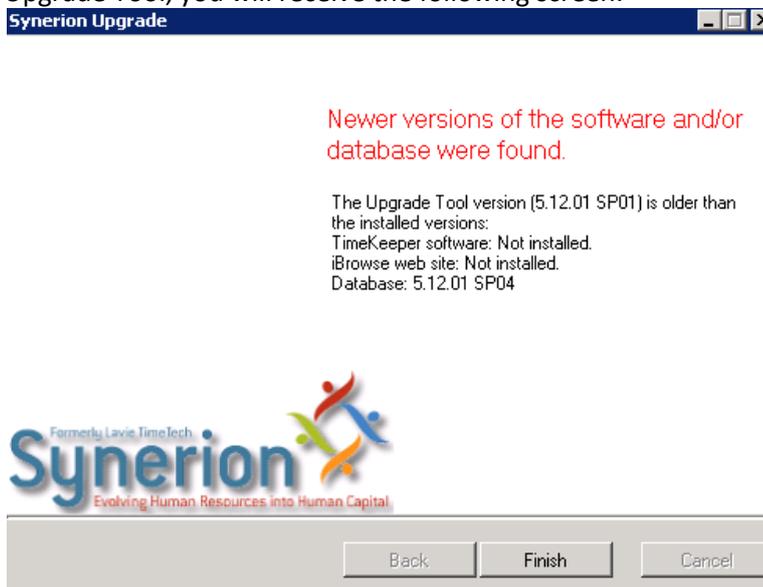


4.3 Notices of failure

- The system notifies you that the upgrade has failed.

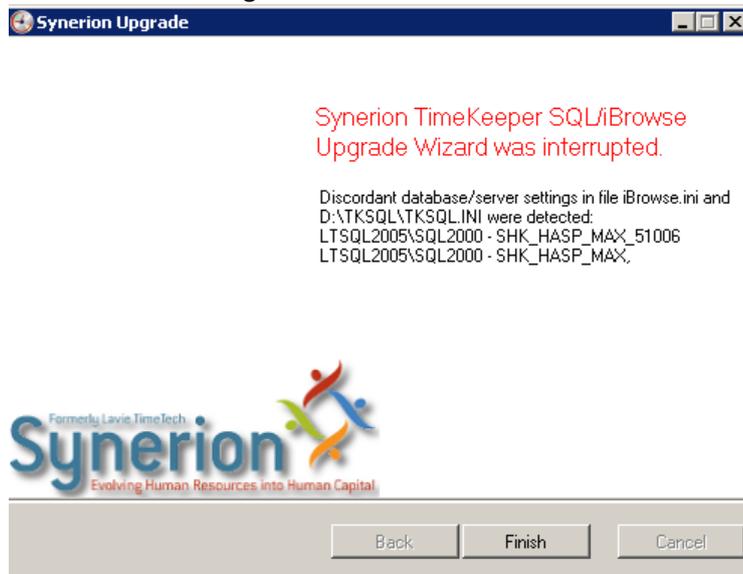


- If one of the components (DB, TK, IB) has been upgraded to a version more recent than the Upgrade Tool, that component will not be listed on the failure screen. If all components have been upgraded to a version more recent than the version of the Upgrade Tool, you will receive the following screen:



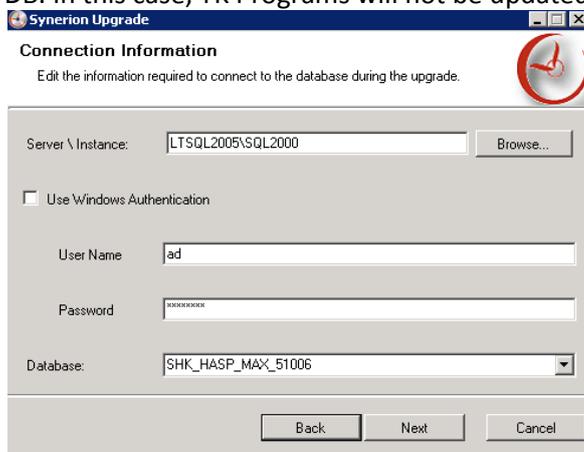
- When TKSQL and iBrowse systems are installed on the same machine and there is a conflict between the DB definitions, as defined in TKSQL.INI and iBrowse.ini, you will

receive the following screen:



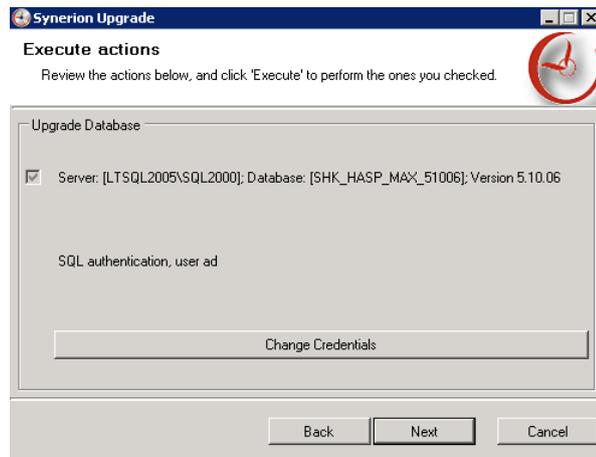
4.4 Failure to locate configuration files

1. If the Upgrade process cannot locate TKSQL.INI or iBrowse.ini (also, Supp.xml under C:\WINDOWS), the Upgrade Tool will request connection information to connect to the DB. In this case, TK Programs will not be updated.



- a. Enter the correct connection information in the **Connection Information** dialog.

- b. Click **Next**. The **Execute actions** screen will display.

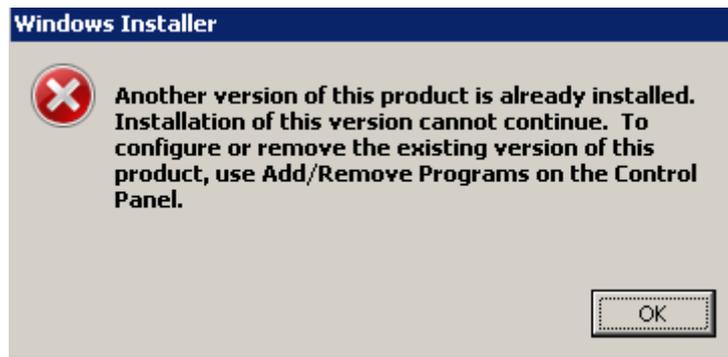


2. Click **Next**. The TKSQL version will be updated by the MSI in the next available place in the registry of the workstation from which the command was issued:
HKEY_LOCAL_MACHINE\SOFTWARE\Synerion Systems\TimeKeeper SQL
or in a 64-bit system:
HKEY_LOCAL_MACHINE\SOFTWARE\Wow6432Node\Synerion Systems\TimeKeeper SQL

5 Appendix B: Errors/Failures (Workstation)

The following conditions will produce failures in the update procedure:

- If you attempt to install a workstation on a machine where the full MSI is already installed (or vice versa), the update procedure will fail. In such a case, you will receive the following error message:



- If the installation of one of the components fails—for example, of the HASP—the entire update procedure will fail.
- In the **Installation** procedure, the VB component stored in the **system32+SysWOW64** folder will not be updated.
- In the **Uninstall** procedure, the VB component stored in the **system32+SysWOW64** folder will not be removed.
- **Environment Variables** — updating the path to TK folders in the variable PATH of System Variables and adding the new variable TKSQLPATH .

