Tiger Spaces 4.7 Release Notes

This document provides release information for Tiger Spaces version 4.7. It discusses new features in this release as well as fixed and new known issues.

What's New in Version 4.7

Support for Apple Silicon Computers

You can install and run version 4.7 of the Tiger Spaces client driver on ARM-based Apple Mac computers.

Important: *To work with workspaces stored on a Tiger Store-managed volume, your Apple silicon clients must run version 2.9.2.172 of the Tiger Client software.*

Support for Windows 11/Server 2022

You can install and run version 4.7 of Tiger Spaces and the Tiger Spaces client driver for Windows on computers running Windows 11/Server 2022.

Important: *In case your Tiger Spaces server is also a database server, note that Microsoft supports only SQL Server 2019 on Windows 11/Server 2022. See also "No Support for Other Than Microsoft ODBC Driver 13 for SQL Server" on page 16.*

Support for macOS Ventura

You can install version 4.7 of the Tiger Spaces client driver on computers running both Intel-based and ARM-based macOS Ventura (64-bit).

Improved Active Directory Domain Integration

With version 4.7 you can benefit from the following Active Directory domain improvements:

• you can fine-grain the permissions you grant to workspaces by sharing them with users in subgroups of the required "Tiger Spaces Admins" and "Tiger Spaces Users" groups

• you can share workspaces with whole groups of Active Directory domain users, including the required "Tiger Spaces Admins" and "Tiger Spaces Users" groups

• the User Management page of the administrative interface now lists the "Tiger Spaces Admins" and "Tiger Spaces Users" Active Directory groups and all of their users and subgroups, and you can view information about them as well as configure their permissions for workspaces.

• the Inspector pane of a selected Active Directory user or group now displays a Member Information tab showing you the groups the selected user is part of or the users in the selected group.

Important: *For Tiger Spaces to receive information from your Active Directory domain controller after the initial setup (switching to domain environment or adding new domain users or*

subgroups), the Tiger Spaces service must be restarted - either by restarting the Tiger Spaces server or by executing the following in Command prompt as an administrator:

```
net stop twsd
net start twsd
```

Spaces|MAM Improvements

Version 4.7 of Spaces|MAM comes with the following improvements:

• You can choose whether or not to add a workspace to Spaces|MAM when creating or importing it in Tiger Spaces.

• You can resync the contents of the workspaces depot with Spaces|MAM choosing to perform the operation for just one workspace or for multiple selected workspaces.

Note: *Initially a resynchronized workspace is available in Spaces|MAM only to its owner. To make it available to all other users having access to it in Tiger Spaces you must force the synchronization of the workspace permissions. This is done by re-applying the workspace permissions.*

Workspace Name Convention Changes

To prevent possible problems, when you create a new workspace or edit an existing one, you cannot use empty spaces in the beginning or the end of its name. It is advisable to edit the names of all existing workspaces with an empty space in the beginning or the end of their name to guarantee that you can mount and work with them.

Unified Workspace Mount Path on macOS Clients

With version 4.7 one and the same workspace uses an identical path on each macOS client that mounts it.

Support for New Tiger Bridge Targets

With version 4.7 you can use the following new Tiger Bridge targets as long as Tiger Bridge is updated to the version in which the support for the respective target has been introduced:

• FujiFilm Object Archive (Tiger Bridge 4.1.8 or above)

• Hitachi HCP (Tiger Bridge 4.1.10 or above)

• Seagate CORTX (Tiger Bridge 4.1.10 or above)

• LYVE Cloud (Tiger Bridge 4.1.11 or above)

• RSTOR Space (Tiger Bridge 4.1.11 or above)

• NFS network shares (Tiger Bridge 4.1.11 or above)

• ORockCloud (Tiger Bridge 5.0)

• Symply NEBULA (Tiger Bridge 5.0)

Support for Microsoft SQL Server 2019 on the Database Server

With version 4.7 your database server (the Tiger Spaces server or another computer) can run Microsoft SQL Server 2019. Note that Microsoft does not support any previous version of SQL Server on computers running Windows 11/Server 2022.

You can download and install a custom installer of Microsoft SQL Server 2019 Express on your Tiger Spaces server in order to configure it for work with version 4.7.

No Automatic Upgrade of the Tiger Spaces Client Software

On both Windows and Apple Mac client computers, the procedure for upgrading to version 4.7 requires uninstallation of any previous version and clean installation of the new one with the related restarts of the computer when prompted. This guarantees the proper update of the client drivers on Windows and avoiding duplicate display of the old and the new version on Apple Mac.

For detailed upgrade procedures, refer to "Upgrading to Tiger Spaces 4.7" on page 7.

Changing the Owner of a Workspace

With version 4.7, when you change the owner of a workspace its previous owner is automatically assigned "none" permissions to the workspace. When you change the owner of a single workspace, Tiger Spaces prompts you to confirm the action.

New Location for Storing Certificates

To prevent loss of certificates when re-installing or upgrading Tiger Spaces in version 4.7 the default location for storing them is changed to C:\ProgramData\Tiger Technology\ps\cert.

Dropped support for Mac OS X Mavericks and Mac OS X Yosemite

Version 4.7 of the Tiger Spaces client for Apple Mac is supported only on computers running Mac OS X El Capitan and above.

Fixed Known Issues in Version 4.7

Web Interface Fixes

Version 4.7 resolves several problems that could prevent the web interface of Tiger Spaces from loading. Additionally, this version comes with the following fixes in the web interface:

• You can now search the workspaces depot if you have sorted the columns in ascending or descending order. You can also sort the displayed search results by column.

• You can use two consecutive backticks "``" in your username or password, workspace name or when searching the workspaces depot in Chrome or Edge browsers.

• The Downloads page does not automatically redirect to the home page of the web interface when you refresh it or when you are inactive for several minutes.

• A home button is added to the Downloads page allowing you to easily return to the home page of the web interface.

• You can browse and select one or more workspaces in the list using keyboard shortcuts.

• The Submit button in the Rename Workspace and Move Workspace dialogs becomes active only after introducing a change.

Tiger Spaces Client Improvements

Version 4.7 comes with a completely reworked Tiger Spaces client software:

• The installation files of all supported operating systems are much smaller, which makes them faster to download and install.

• The client software provides faster and more stable connection to the Tiger Spaces server.

• You can manually connect to a Tiger Spaces server using its DNS name.

• You can manually delete servers only when Auto-discovery is turned off.

• Resolved problems preventing macOS clients from connecting to a Tiger Spaces server.

• If you change the IP address of a Tiger Spaces client computer, to apply the change in the Tiger Spaces client application you should simply refresh it by executing the following keyboard combination: Ctrl+r (Windows) or Command+r (macOS).

• More informative error messages allowing you to easily identify a problem.

• All mounted workspaces are displayed with their actual name in the Finder and all applications on macOS Tiger Spaces clients.

• Users on Windows Tiger Spaces client computers can now normally preview image and video files in a workspace on a network share using the built-in Windows application.

Improved Support for Active Directory Domain

Version 4.7 improves the interaction between the Tiger Spaces server and the Active Directory domain controller, thus providing faster enumeration of users when applying workspace permissions.

Tiger Spaces Database Improvements

In version 4.7, the database containing all internal Tiger Spaces user accounts is updated with information from a recovered storage without additional restart of the Tiger Spaces server.

Tiger Bridge Integration Fixes

Tiger Spaces4.7 provides multiple fixes that improve the integration of Tiger Bridge. Among them:

• You can use the Tiger Spaces interface to pair a workspaces depot with any of the currently supported Tiger Bridge targets. The only exception in version 4.7 is Google Drive, which can be added as a target only in the interface of Tiger Bridge.

• You can configure and manage a workspaces depot on a network share added as a source in Tiger Bridge instead of Tiger Spaces.

• The exact configuration of your Amazon S3 target is properly displayed in the web interface of Tiger Spaces.

Support for Special Characters in the Share/Workspace Name

With version 4.7 you can create and work with workspaces the name of which contains special characters. Version 4.7 also resolves a problem, which could prevent macOS clients from mounting workspaces stored on a network share the name of which contains special characters.

Dismounting Workspaces from macOS Monterey

Version 4.7 resolves a problem, which could prevent macOS Monterey Tiger Spaces clients from properly dismounting workspaces stored on a NAS appliance.

Tiger Spaces Server Stability Fixes

Version 4.7 comes with multiple fixes that improve the stability of the Tiger Spaces server.

Improved Support for Avid Media Composer

Tiger Spaces 4.7 resolves a problem with workspaces containing Avid media, which caused Avid Media Composer to become unresponsive.

Upgrading to Tiger Spaces 4.7

Upgrading from Tiger Spaces 4.x

Note: *To upgrade to the new version on a Tiger appliance, contact Tiger Technology support for assistance.*

To upgrade your Tiger Spaces server to version 4.7, you must simply run the new installation. Once you upgrade to version 4.7 and install the Tiger Spaces 4.7 client bundle, the Downloads page of the web interface will display the 4.7 installation files for the Tiger Spaces Client on all supported operating systems.

When upgrading from Tiger Spaces version 4.2 or below, you also need to configure the access to the database server and the high availability settings (if you are deploying Tiger Spaces with high availability), following the steps below.

When you upgrade Tiger Spaces 4.x to version 4.7 all workspaces, users and settings are preserved as long as you choose to re-use your current Tiger Spaces database.

Note: *If you decide to assign another computer as a database server, in order to deploy Tiger Spaces with high availability, for example, to preserve your current Tiger Spaces database you must migrate it to the new database server computer, following the instructions provided in the documentation of SQL Server.*

**To upgrade Tiger Spaces 4.x to version 4.7:**

Important: *If you are upgrading Tiger Spaces on a Tiger Store with two server nodes, repeat the steps below on each of the nodes.*

1. Install Tiger Spaces 4.7 on the server.

2. (optional, for high availability) Install the SQL Server Express configured for Tiger Spaces installer on the server.

3. (optional, if you assign another computer as a database server) Migrate your current Tiger Spaces database on the new database server, following the instructions provided in the documentation of SQL Server.

4. Access the Tiger Spaces Configuration Wizard, by entering the following in a web browser:
   `https://[IP address of the computer/node running Tiger Spaces]/config`

   For example, if the computer running Tiger Spaces server has IP address 10.200.6.29, in the address bar of a web browser enter the following:
   `https://10.200.6.29/config`

   The Configuration Wizard starts.
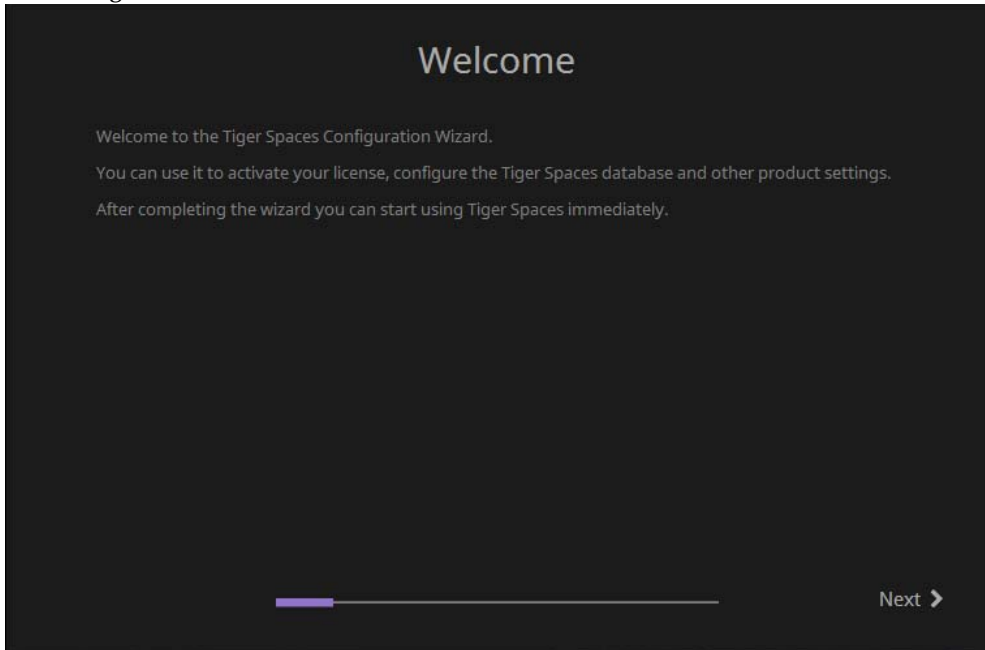
5. In Choose Database, select "Use an existing database" and click Next.
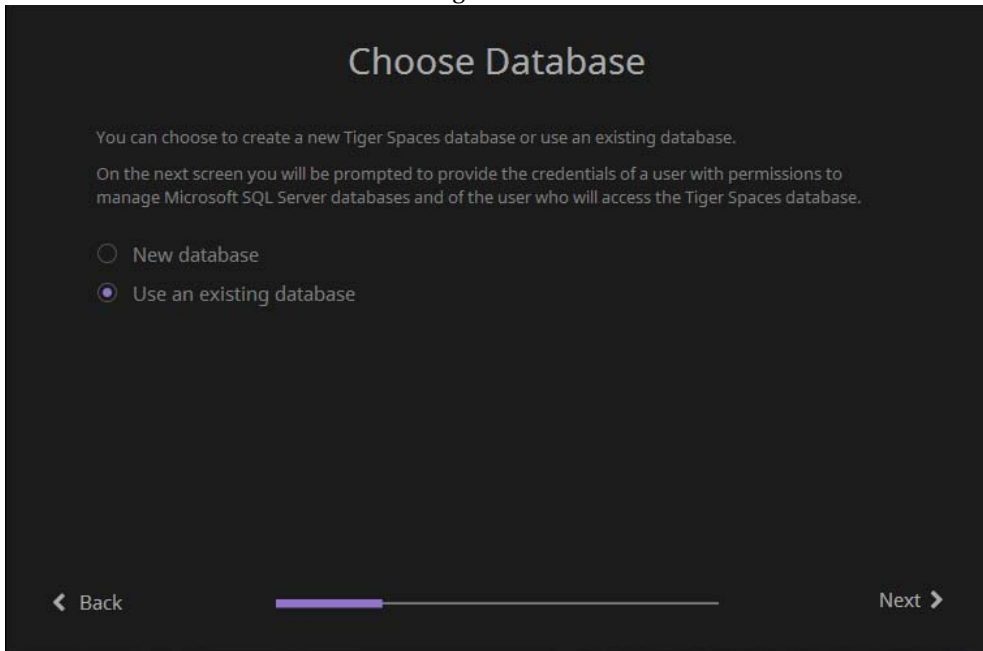
6. In the next screen enter the following in the respective fields:

Connect to the Database Server

Database Server:	Enter database server name or IP address
Database name:	Enter database name

Provide the name and password of a user who will be used to access the Tiger Spaces database.

Spaces database username:	Enter Tiger Spaces database user
Password:	

Verify

‹ Back   Next ›

• In Database Server, enter the IP address of the computer assigned as a database server:

Note: *If your Tiger Spaces server acts as a database server as well, you have to enter the following:*
`localhost\TIGERSPACES`

• In Database Name, enter the following:
`psdb`

• In Spaces Database Username, enter the following:
`psdb`

• In Password, enter the following:
`password`

7. Click Verify and then Next.

8. In Tiger Spaces License, do one of the following:

Tiger Spaces License

No Tiger Spaces License was found.

To activate Tiger Spaces, please click the Next button.

If you prefer to activate Tiger Spaces later, click the Skip button.
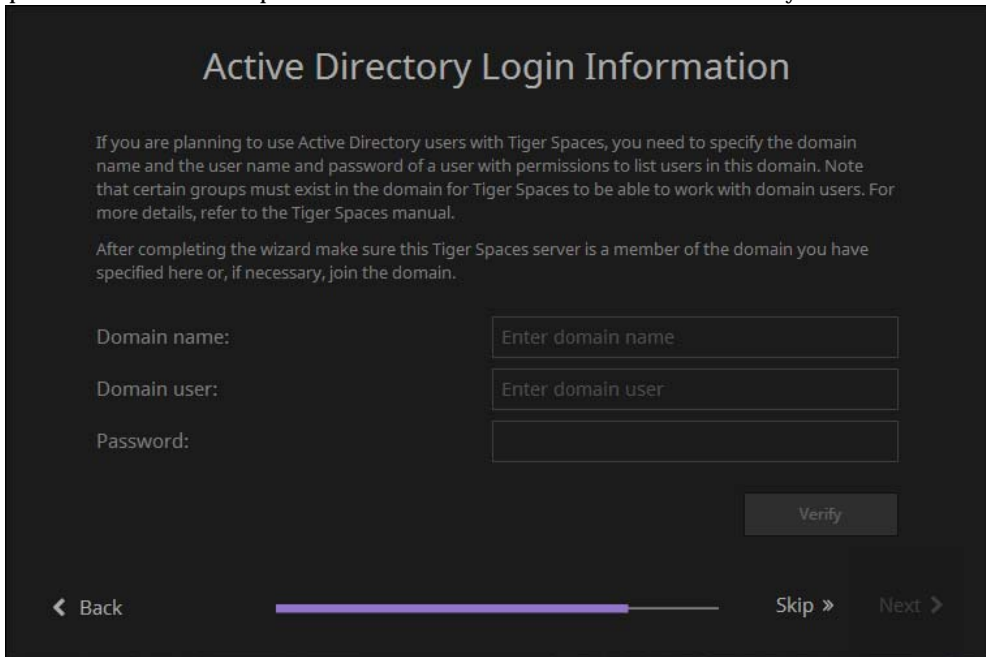
‹ Back   Skip »   Next ›
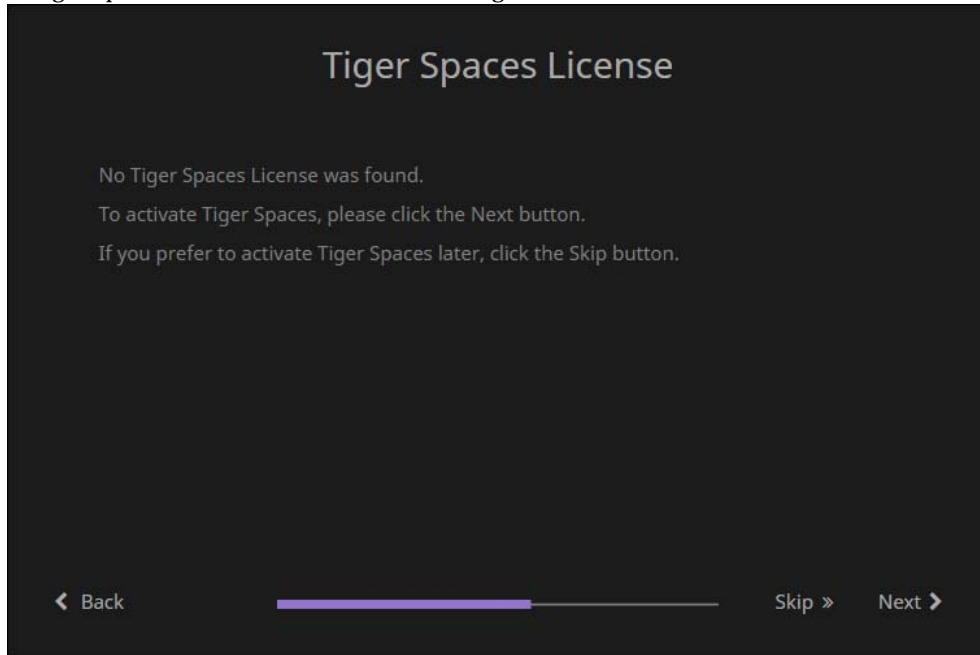
• If you want to activate high availability, click Next and follow the on-screen instructions for activating your license.

Important: *If Tiger Spaces has been activated with a software activation key, after upgrading to version 4.7 the license may be lost and you need to activate it again.*

• If you do not want to activate high availability or you want to activate it later on, through the web interface, click Skip.

9. (if Tiger Spaces is in Active Directory domain) Enter the domain name, and the user name and password of a user with permissions to list users in this domain, click Verify and then click Next.

10. (if high availability is activated) Do the following:

• Select the "Enable cluster IP" check box.

• In the Network Interface drop-down box, select the network interface to which to assign the cluster IP address.

• Enter the IP address and subnet mask in the respective fields and click Apply.

Note: *The cluster IP address must be on the same subnet as client computers*

11. Click Next and then Finish.

Important: *If you deploy Tiger Spaces with high availability, repeat the same steps on the other server node as well.*

To upgrade a Windows Tiger Spaces client to version 4.7:

1. Uninstall the previous version of the Tiger Spaces client driver and restart the computer, when prompted.

2. Install version 4.7 of the Tiger Spaces client driver for Windows, following the steps in the Tiger Spaces User's Guide.

To upgrade an Apple Mac Tiger Spaces client to version 4.7:

1. Uninstall the previous version of the Tiger Spaces client application.

2. Install version 4.7 of the Tiger Spaces client application for Apple Mac, following the steps in the Tiger Spaces User's Guide and when prompted, restart the computer.

Upgrading Project Store/Project Serve to Tiger Spaces 4.7

While Project Store is a predecessor of Tiger Spaces, the two products differ in several main aspects:

• In contrast to Project Store, Tiger Spaces utilizes a database server - a computer with Microsoft SQL Server installed, which stores and manages the Tiger Spaces database, containing information about all workspaces and data in them. This can be the Tiger Spaces server computer itself or another computer, in case you are deploying Tiger Spaces with high availability.

• Tiger Spaces can be deployed with high availability, even if you are not using a dual-node Tiger Store appliance. You can find requirements and additional information in the Tiger Spaces User's Guide.

• The workspaces depot can be stored on network shares as well as on Tiger Store-managed volumes. For more information, refer to the storage requirements in the User's Guide.

• Client computers must run the Tiger Spaces client driver in order to access the workspaces depot.

Before proceeding with upgrading Project Store/Project Serve to Tiger Spaces, make sure the following prerequisites are met:

• the computer intended to run Tiger Spaces meets the minimum system requirements, outlined in the Tiger Spaces User's Guide.

• there is a computer designated as Tiger Spaces database server - the Tiger Spaces server itself or another computer (if you are deploying Tiger Spaces with high availability), which meets the database server requirements and is configured for work with Tiger Spaces as outlined in the User's Guide.

• if you are deploying Tiger Spaces with high availability not on a dual-node Tiger Store appliance, the computer designated as a standby node is set up for high availability as outlined in the User's Guide.

Tiger Spaces does not offer full upgrade compatibility with Project Store/Project Serve. Once you upgrade your Project Store server computer to Tiger Spaces, you will lose all configuration settings and will have to configure them anew. Following the upgrade procedure described below, you will be able to keep all Project Store/Project Serve users (but without passwords) and all projects (called workspaces in Tiger Spaces) with their type, permissions, description, keywords, preferred mount

point on Windows (except if the project uses preferred mount point in a folder), settings for locked project and project template.

To upgrade Project Store to Tiger Spaces:

Note: *If Project Store is installed on a Tiger appliance or you are using Project Serve, contact Tiger Technology support for assistance on upgrading to Tiger Spaces.*

1. Uninstall Project Store without disabling Project Store support on the volumes.

2. (for domain environment only) Rename the two groups on your Active Directory domain controller from "projectStore Users" and "projectStore Admins" to "Tiger Spaces Users" and "Tiger Spaces Admins" respectively.

3. Install Tiger Spaces on the computer.

4. Run the Configuration Wizard and select to use a new database, then configure the access to the computer designated as database server.

5. Use the Configuration Wizard to complete the initial setup, activating Tiger Spaces, specifying Active Directory domain and the high-availability cluster IP address, if needed.

6. In the Tiger Spaces web interface, configure the workspaces depot, enabling Tiger Spaces support on the same Tiger Store-managed volumes you have used with Project Store and optionally on the desired network shares.

7. In the Tiger Spaces web interface, configure any other settings that might differ from the default ones (enabled/disabled permissions, quotas, hidden volumes settings, etc.).

8. (if Tiger Spaces is deployed in workgroup environment) One by one assign new password to each user.

9. (for high availability deployment) Install Tiger Spaces on the other computer designated as a high-availability cluster node and run the Configuration Wizard, specifying identical settings except for the database, where you should choose to use an existing database server and specify the access to it.

10. Download and install the Tiger Spaces client driver on each computer accessing the workspaces depot.

    Refer to the Tiger Spaces User's Guide for detailed instructions on performing any of the above steps.

New Known Issues

Running Executable Files Stored in a Workspace on a Network Share

Currently, it is possible that you fail to run executable files that are stored in a workspaces located on a network share. If you run into that problem, a workaround would be to copy the executable file locally and run it from there.

No Support for Other Than Microsoft ODBC Driver 13 for SQL Server

Regardless of the version of Microsoft SQL Server version your database server runs, currently Tiger Spaces supports only version 13 of the ODBC driver. If your database server uses another version of the ODBC driver, you must uninstall it and download and download version 13 from the Microsoft's web site in order to guarantee the proper functionality of the database server.