

LifeCheck Technical Note

ID: TN012
Created: 22 April 2022
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Description: Moving the LifeCheck database

The purpose of this technical note is to detail the ways in which the LifeCheck database can be moved from one server to another and to connect existing PCs to the new database (server).

The LifeCheck database resides on an instance of Microsoft SQL Server but it may be necessary to move this database to a new server perhaps as part of an upgrade or when moving from a local database to a network or cloud based database server.

LifeCheck provides support for this function using the **Administration > Remote Database** menu option. On selection of this option the 'Remote Database' screen will be displayed. Details of the current database server and name are displayed at the top of the screen together with a number of buttons which permit various operations, in this case select **Change Database**.

The **Database Change** wizard will be displayed which will guide you through the process of either connecting to an alternate database, creating a new, blank database or moving your existing database to a new server. The operations in all cases are similar but we will discuss the case of moving the existing database in this technical note. Click **Next** to begin the operation and display the following window :-

Change Database Wizard

Select Database Type.
Choose the type of SQL Server database you would like to use.

Please select whether you would like to connect to an existing database or create a new one.

☒ Create a new database ☐ Connect to an existing database

Server Name: ... ☐ Microsoft Azure Database
eg COMPUTER\SQLINSTANCE

Authentication Type: Windows Authentication

User Name:

Password:

Database Name :

< Back Next > Cancel

Select **Create a new database** and enter (or browse for) the name of the new SQL Database server instance noting that browse will only show those instances which are both available and for which the SQL browser is active.

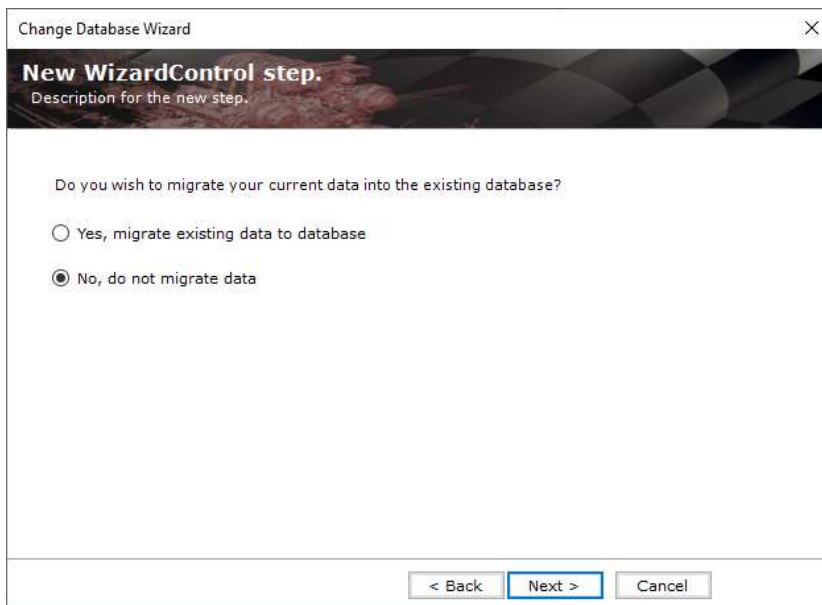
Also select the appropriate authentication type (Windows or SQL Server) and where SQL Server authentication is selected, a valid SQL username and password. This must be for a user with permissions to create new databases!

The database name may be changed if required however this is only necessary if you have multiple LifeCheck databases (on the same server). Click **Test Connection** to validate the server and credentials specified. Any errors encountered here are usually one of :-

- The SQL Server name or login credentials are invalid
- The SQL Server has not been configured to allow network access (this is the default)
- A firewall either on the local or remote PC is blocking SQL Server connections

Trouble-shooting these connection errors is outside the scope of this technical note so we will assume the test was successful. In this case you do expect (and require) to see a message stating the connection was successful, but the LifeCheck database was not found. If you see just a connection successful message **BE AWARE** this means the specified database already exists and continuing **WILL** over-write this database!

If all is OK, click **Next** to move to the next step in the wizard shown below.



On this screen we can choose to either create a new, blank, database (the default, great if you want to start from scratch) or migrate your existing data to the new database. Select to migrate your data which will effectively move your existing database to the new server although note the old database will remain. Click **Next** to continue and then **Finish** which will initiate the process of first creating a new

database on the specified server and then copying your existing data to the new database. On completion, LifeCheck will update your settings to point to the new database, detaching itself from the old database. LifeCheck will then restart to pickup these changes and will be connected to the new database. You can (and should) confirm this by selecting **Administration > Remote Database** from the main menu and confirming the database server name displayed does indeed point to the new server.

What about other users?

If you have other LifeCheck users they will of course still be connected to the old database and must also move to the new database. The best way to achieve this is to go through the above process again but this time select **Connect to an Existing Database** on the initial Wizard screen. Once the name of the new server and database have been entered and tested, they too will be connected to the new database. At this time there is no short cut other than manually updating the connection for each user.

Disclaimer:

Please note that while every effort has been made to ensure the accuracy of this document, Trenchant Technology, Ltd may not be held responsible for any errors or omissions or any data loss which may occur through the use of this document. It is highly recommended that a backup of the LifeCheck database is made prior to making any changes such as importing parts.