

LifeCheck Technical Note

ID: TN018
Created: 27-Oct-25
Modified: 27-Oct-25
By: Chris Drew
Description: Clean Start processes

The purpose of this technical note is to detail the process by which a new LifeCheck database may be created in cases where a clean or almost clean start is required. This may be the case after a significant rule change results in little if any carry over of parts/components to the new car build however some data, such as users and circuits will still be required. This document may be read in conjunction with the original 'Remote Database operations' technical note as many of the ideas and processes are the same.

There are a number of steps which will need to be performed as shown below :-

1. **Creating a new Database**
2. **Copy basic configuration data from the old to the new database**
3. **Export carry-over parts and components from the old new database**
4. **Import carry-over parts and components into the new database**

A slight complication to this process is that LifeCheck will connect you to the new database after steps 1 and 2 which will mean that step 3 may need to be carried out either by another LifeCheck user still connected to the old database, or at the start of the procedure rather than towards the end!

Creating a new Database

The first step in this process is to create a new, blank LifeCheck database. This is best done from within LifeCheck itself using the **Administration > Remote Database** function as this will allow for selective carry over of some tables from the old database to the new.

Please note you **may** not have sufficient access rights to the SQL Server to be able to create a new database – this function is best performed by a Database Admin or other suitable privileged user!

In the **Remote Database** window, click the **Change Database** button to start the process. The following screen will be displayed after the initial '**Welcome**' screen.

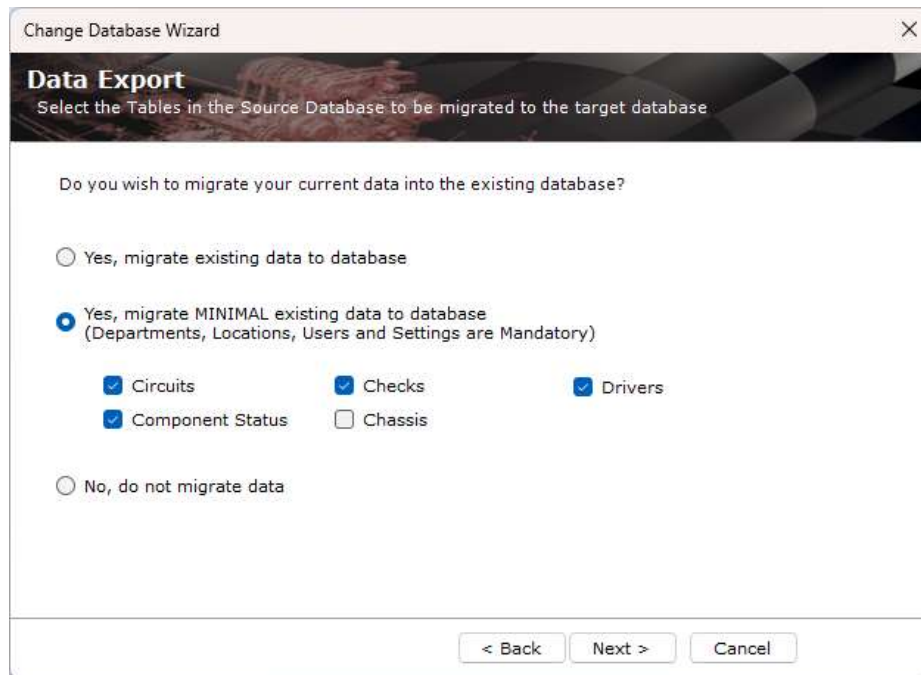
In this window ensure the default 'Create a new database' option is selected. Enter the name of the SQL Server instance which is to be used for the new database. This can of course be the same server as the existing database is held on.

Authentication details will need to be provided by your IT department – they define the way by which LifeCheck will connect to the SQL Server and any necessary login credentials. These are not known by Trenchant Technologies, Ltd!

You should also enter a name for the new database – remembering that the default name displayed may be that of your existing database, so it is important that a unique name is specified

Once the database connection details have been entered, click **Test Connection** to validate the details entered and to check for a database of the specified name already existing. You **should** see a message as shown below indicating that the connection to the SQL Server was established (so the connection details are correct) but no database of the specified name was found.

If you get a message stating a database **WAS** found, **STOP** and enter a new unique name as you do not want to be over-writing an existing database! If you get the above message, you are clear to click **Next >** to move to the next step.



Change Database Wizard

Data Export

Select the Tables in the Source Database to be migrated to the target database

Do you wish to migrate your current data into the existing database?

☐ Yes, migrate existing data to database

☒ Yes, migrate MINIMAL existing data to database
(Departments, Locations, Users and Settings are Mandatory)

☒ Circuits ☒ Checks ☒ Drivers
☒ Component Status ☐ Chassis

☐ No, do not migrate data

< Back Next > Cancel

In this window, select whether to migrate any data from your current database to the new database. If this is complete clean start, you may want to simply start with an empty database but in most cases, you will probably want to copy over a number of tables containing basic configuration data. As a minimum, this will copy **Departments; Locations; Users** and **Settings** which will allow you to continue using LifeCheck without having to re-enter all this information. Note that selecting Locations does not include any Chassis defined as although these are held in the locations table they are treated differently in this regard as typically you will not be moving existing chassis into the new database. There is however a separate check box to allow existing chassis to be copied to the new database if required.

You may optionally select to copy additional information from other 'configuration' tables such as circuits and drivers. Once satisfied with your choices, click **Next>** to continue to the final window in this Wizard. Here you are given one final opportunity to back-out from the process as once **Finish** is clicked, **LifeCheck** will begin the process of creating a new database and transferring the selected data to the new database. On completion, the LifeCheck configuration settings held on your PC will be updated to *point to* the new database and LifeCheck will restart.

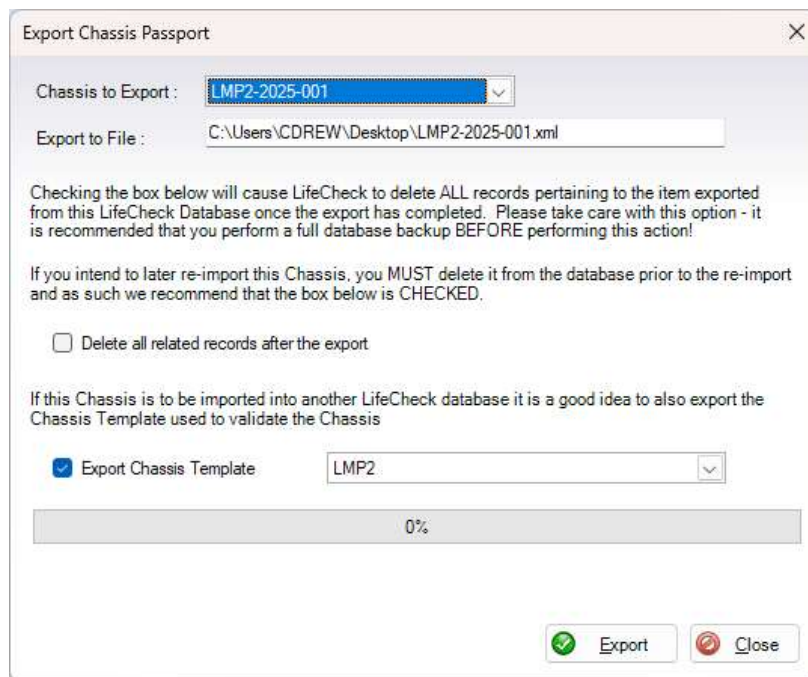
On login, you will now be accessing the new LifeCheck Database and not the original one. Note however that the original database has not at this time been modified in any way and can still be accessed by other PCs who were previously connected to it.

Migrating Parts and Components

The above procedures will leave you with an old database containing all your original data and a new database containing just the data selected to be copied over. You may however have an amount of carry over parts and components that you would like to also copy to the new database.

This is done again from within LifeCheck using the 'Export Chassis Passport' option selected from the main Administration Menu. Note it is only possible to export a Chassis from the source database. As such, any components which are to be carried over to the new database must be re-located to the chassis to be exported prior to the export being performed. It may be convenient to create a 'dummy' chassis for the sole purposes of the export function.

When **Export Chassis Passport** has been selected the following window will be displayed.



Here the chassis 'LMP2-2025-001' will be exported from the source folder and its structure and content saved to the specified file in an XML format. All component history, checks, calibrations and notes as well as the required Part Definitions will be exported. In this case, we will NOT delete the exported data from the source database but rather leave it there for legacy / informational purposes.

It may be desirable to also export the specified Chassis Build Template if this will be useful in the new database although of course this is entirely optional.

Importing the Chassis Passport

Importing the Chassis Passport into the new database is a simple matter of selecting the Administration>Import Chassis Passport option from the main menu and following the prompts displayed.

First, select the file to be imported by either typing its name or by clicking '...' and browsing for the file. Now click **Import** to initiate the import process subject to a confirmation prompt. The import process is automatic – LifeCheck will perform basic validation on the import file to ensure any items being imported do not already exist however be aware that this function is rarely used and as such the validation is not comprehensive. It is

best to perform the data import early on in the setup of the new database to ensure that any errors are identified quickly and no other changes are potentially lost! Once the chassis passport has been imported, it is recommended to restart LifeCheck before proceeding – potentially to import further Chassis Passports.

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.