How To Detect And Repair Database Corruptions
Last Updated 20/12/2022

How do we repair the PSD Logistics database if we suspect it has experienced a corruption?

PSD Logistics database tables can only be corrupted if the database (i.e. the server) is shut down incorrectly (e.g. on a power failure) or if another application attempts to use the files while PSD Logistics is running (e.g. Antivirus software)
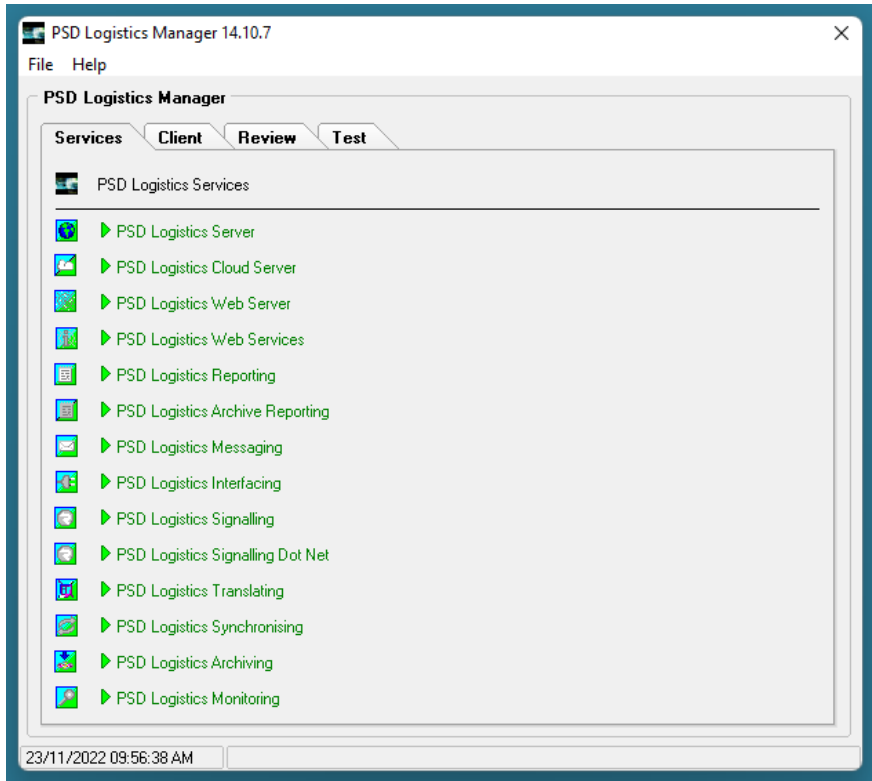
Table corruptions can usually be noticed if the application generates DBISAM errors in any of the PSD Logistics service review files, if data appears incorrectly or not at all, or if PSD Logistics otherwise performs unexpectedly.
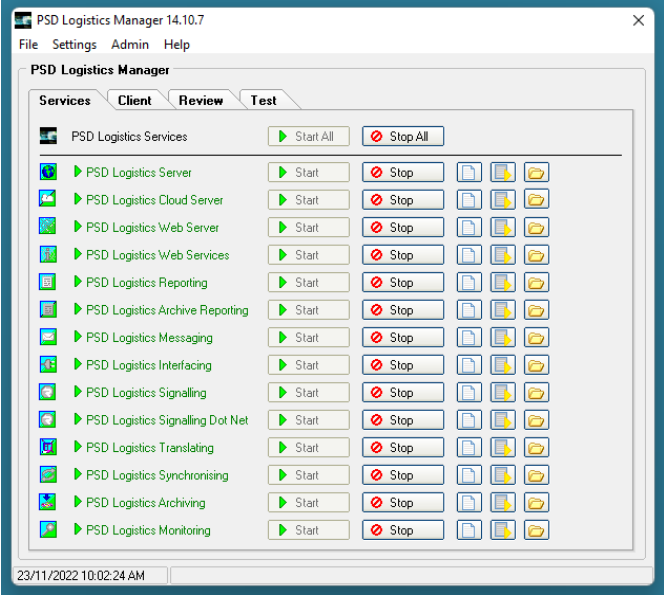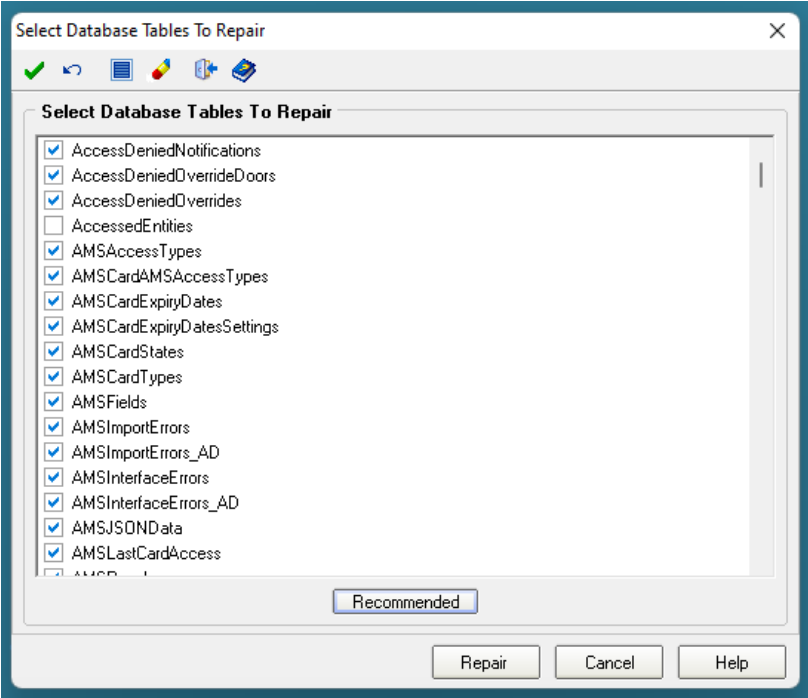
Repairing the database will require a PSD Logistics outage until the process is complete.

Solution 1
Repairing every database table.

Step 1 : Repair all database tables.

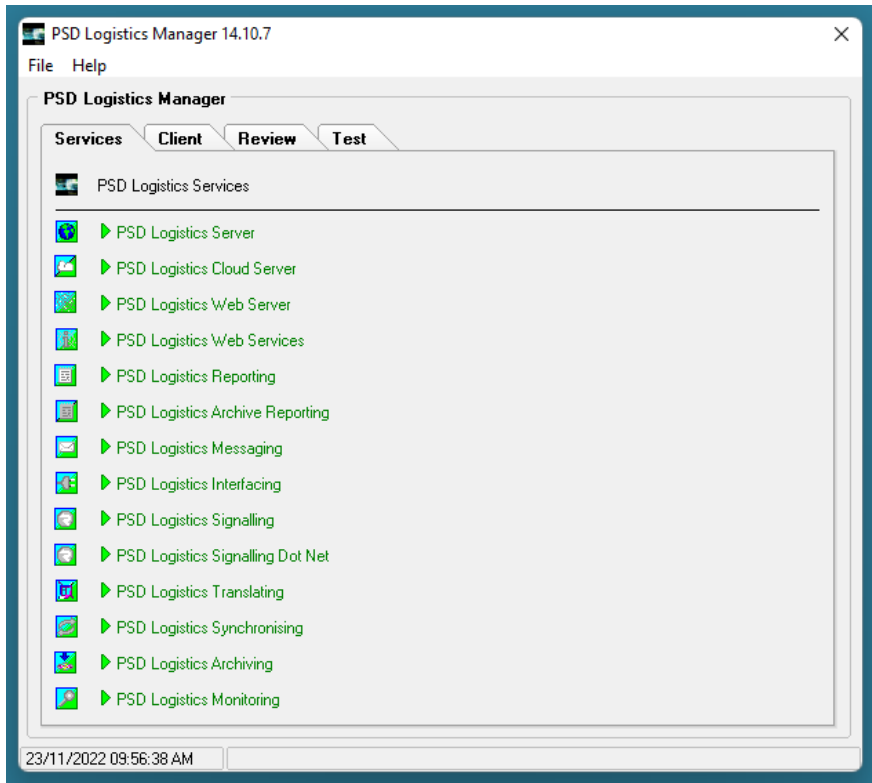| Step	Action
1	Log into MS Windows on the server hosting the PSD Logistics Server services. Run PSDLogisticsManager.exe using "Run As Administrator". The default folder for this application is C:\Program Files (x86)\PSDLogistics\Manager\.

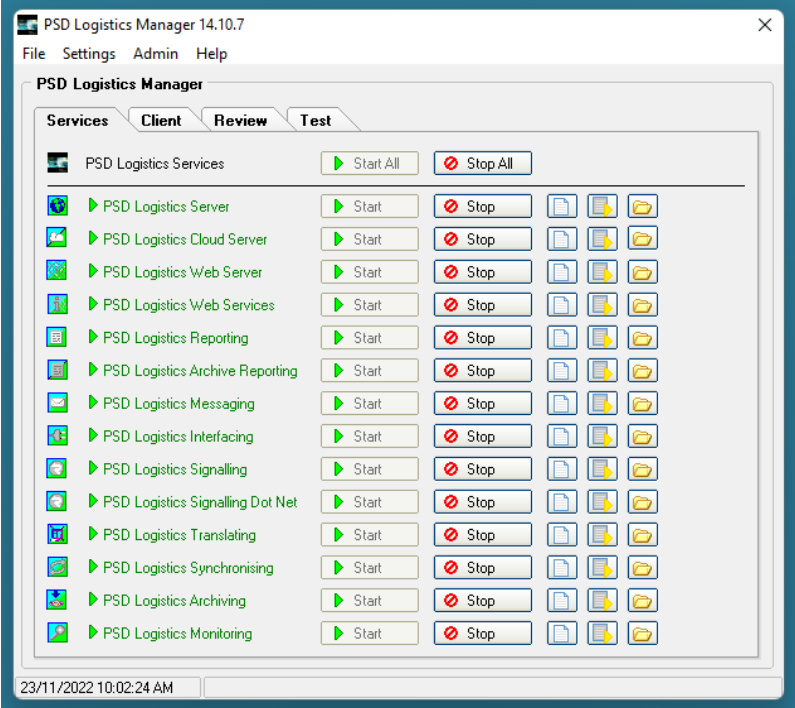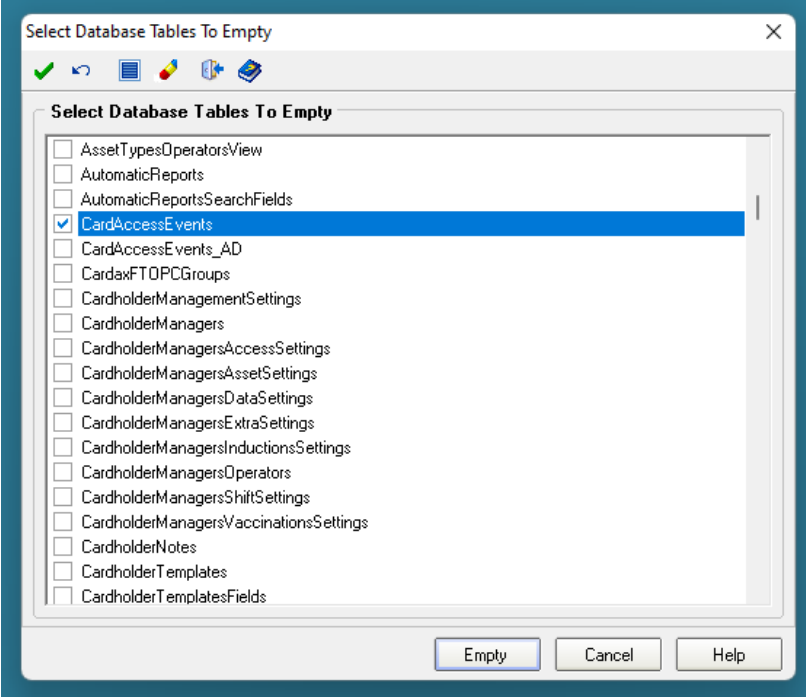| Step	Action
2	Select "File" -> "Login" and log into the PSD Logistics Manager using the admin account. The default password is "admin". A number of menu items and features will be displayed.
3	Select "Admin" -> "Database" -> "Repair Database Tables". Select the particular tables to repair, or use the blue square tool button to select all tables. Note: selecting all tables may take a long time to complete. This time is dependent on the number of modules that are licenced and the size of the tables. In the event of any corruption, it is highly recommended to repair every table.
4	Select "File" -> "Exit".

Solution 2

If the recovery time is critical, the best option could be to select all tables apart from CardAccessEvents and TimeSheetsData. These tables can be emptied, and then re-queried from the access control system. This option however will lose all historic company and department information associated with the card access events, and will only query non archived data stored in the access control system.
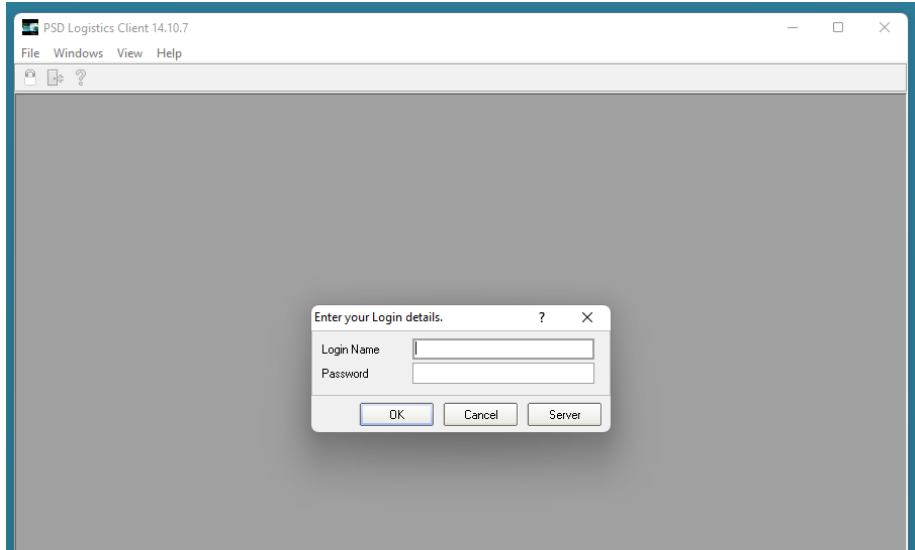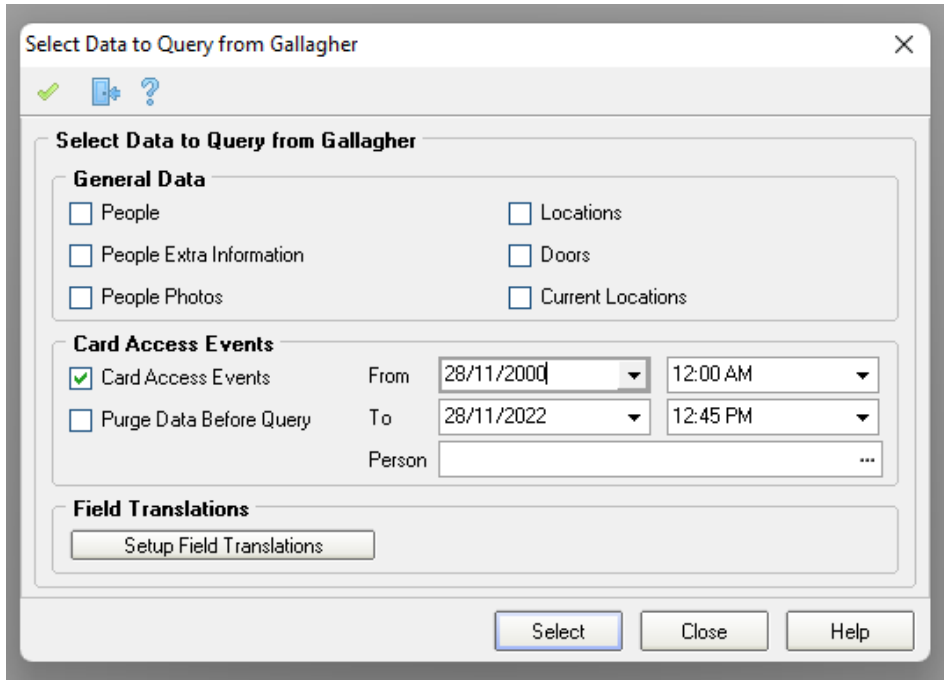
To empty these tables, perform the following steps.

Step 1 : Empty the Card Access Events and Time Sheets Data tables.

Step	Action
1	Log into MS Windows on the server hosting the PSD Logistics Server services. Run PSDLogisticsManager.exe using "Run As Administrator". The default folder for this application is C:\Program Files (x86)\PSDLogistics\Manager\.

Step	Action
2	Select "File" -> "Login" and log into the PSD Logistics Manager using the admin account. The default password is "admin". A number of menu items and features will be displayed.
3	Select "Admin" -> "Database" -> "Empty Database Tables". Select CardAccessEvents and TimeSheetsData, then proceed with the operation.
4	Select "File" -> "Exit".

Step 2 : Re-query the Card Access Events.

Step	Action
1	Log into a PSD Logistics Client using "Run As Administrator". The default folder for this application is C:\Program Files (x86)\PSDLogisticsClient\.
2	Click the hammer icon to log in as the administrator. If you cannot see the hammer icon, you do not have administrative access on this account. A number of menu items and features will be displayed.
3	Select "Admin" -> "Database" -> "Query Access Management Software". Select "Card Access Events" and select the data range to query the data from. Note : If the card events data has been archived in the access control system, it will be unavailable to PSD Logistics.
4	Select "Select"