LabSpeed – Table Export to AS400 Database User Guide

Overview

The **Table Export AS400 extension** adds the ability to export data from a LabSpeed Table View directly to an AS400 database.

The LabSpeed Table View provides a drag & drop mechanism for creating a flat table from relational instrument data. The columns in this table represent any subset of the available instrument data and may be arranged in any order. In addition, the table may be quickly rearranged in any of three distinct styles. Once setup, the data may be exported as Delimited Text, Excel (.xls) or to an AS400 database table. Exporting to an AS400 database requires an extension add-in be installed.

Add-in Installation

The Table Export AS400 LabSpeed add-in installer may be obtained by visiting the Topos Technologies website at www.topostech.com and clicking on the *Feature Extensions* link. Download and run the ToposTableExportAS400.msi installer program and follow the directions.

When LabSpeed is next run, you will be directed to the Client Manager in order to add the new Table Export AS400 Feature Add-In to LabSpeed's client list.

AS400 DB Connection

The AS400 connection parameters must be setup correctly. Ensure parameters are correct by choosing the menu *Tools->Client Connections*. This is where all the connections for all Clients are managed.
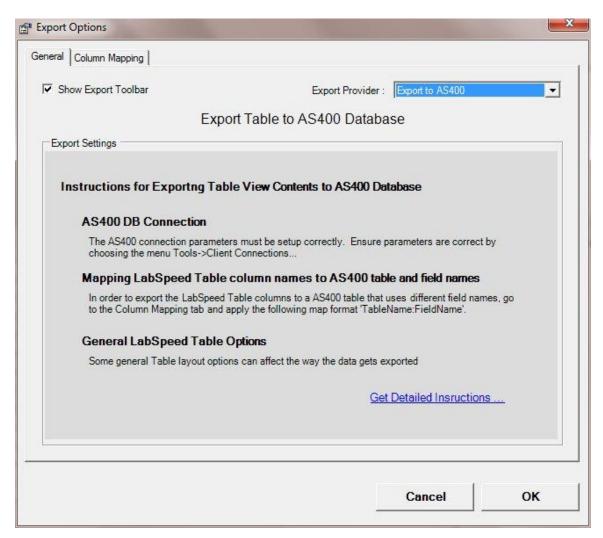
Select the Client "Topos : TableExport AS400 DB" and the connection named "Export Table to AS400" and click *Edit*. Or create a new connection. Enter all required AS400 log on fields, including Server Name, User Name and Password. Test the connection to makes sure it is valid and then save the connection to the same name (which overwrites the existing connection) or to a different name. If you save the connection to a different name, remember to make it the *Active Connection*.

Table Export AS400 Setup

While in Table Designer view, click the Export toolbar button. The Table Designer Export dialog is where you choose the AS400 Export provider and setup column maps.

The Table Export AS400 Provider

On the General tab, select the Export to AS400 export provider. If it does not appear in the drop down list, it may need to be installed. The Export to AS400 option is a special LabSpeed Add-In feature.

General instructions appear describing the process of setting up for exporting to AS400. In addition, a button is available for obtaining more detailed instructions.
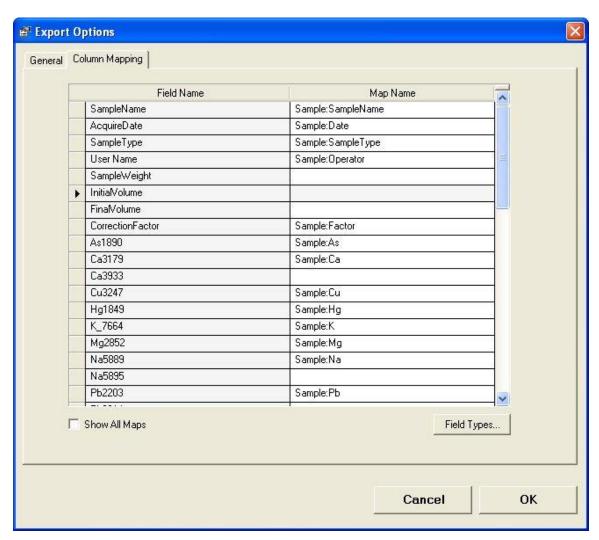
Mapping Table column names to AS400 field names

Each LabSpeed Table column that you wish to export must be mapped to the corresponding AS400 table column name.

On the Column Mapping tab, enter field names that map the Table column name to the AS400 table column name by applying the following rules:

1. Map format - TableName**:**FieldName. Leading and trailing spaces are not important and will be removed
2. Any mapped items that are not of the TableName**:**FieldName format will be ignored.
3. The same Table Name has to be used for all mapped items

For example, if the AS400 database table name is "Sample", the following maps might be applied:

Other Mapping Rules

1. The table and mapped fields must exist in the AS400 Database. It does not matter if there are additional, unmapped database fields in the AS400 Table.
2. The Database column types must match the associated LabSpeed field data type. For example, if the LabSpeed data type is "Int32", then the AS400 table field must also be "Int32". However, any LabSpeed field type may be exported to a database string field. Click on the Field Types... button to view the LabSpeed exported fields and their Field Types.
3. If you wish to turn off the Table Option "Show duplicate primary labels", the primary columns in the Database must have the "allow null" column option checked.

Note: Changing the Table Style (*Standard*, *Value Type* and *Value Type Column*) will change the format of the table and result in more or fewer columns exported. This will affect maps as well.