

.com Solutions Inc.



App Conversion Service

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Preparing for Conversion

Intro - App Conversion Service

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Info Needed For Conversion

This manual includes sections showing the pre-migration steps needed before your project can be converted.

Additionally, you have the option to provide some basic customization info for any conversion project.

These customization options include:

Name - Please provide the name you want your new app to be given. This name should not include special characters like ;\ which can confuse operating systems.

Version - By default, your app will have a 3 part version number of 1.0.0. If you want a different numeric version number, please provide that info.

Customer Name - The company name you want displayed inside the About window of the application.

Icon - By default, a generic icon will be used for your application. However if you have a 512 x 512 sized PNG file you want to provide, this can be substituted for the generic icon. It is a good idea to use transparency within the icon so it shows up nicely in the macOS Dock or Windows Taskbar.

FileMaker Database Conversion

FileMaker Pre-Migration Preparation - App Conversion Service

Prior to uploading a project for conversion, a few steps need to be taken to prepare the file for conversion.

Single .fmp12 Database File

This conversion service supports the conversion of a single FileMaker .fmp12 file. Multiple files should be consolidated together into one file before conversion.

Primary Keys - Auto Enter SN

Options for Field "ID"

Auto-Enter Validation Storage Furigana

Automatically enter the following data into this field:

- Creation Date
- Modification Date
- Serial number
 - Generate: On creation On commit
 - next value: 68 increment by: 1
- Value from last visited record
- Data:
- Calculated value Specify...
- Do not replace existing value of field (if any)
- Looked-up value Specify...
- Prohibit modification of value during data entry

Cancel OK

Each database table must have an Auto-Enter numeric primary key column.

Note: Using a UUID column is not supported for the Single User App at this time.

Primary Key - Validation Options

Options for Field "ID"

Auto-Enter **Validation** Storage Furigana

Validate data in this field:

Always Only during data entry

Allow user to override during data entry

Require:

Strict data type: Numeric Only

Not empty Unique value Existing value

Member of value list: <unknown>

In range: to

Validated by calculation Specify...

Maximum number of characters: 1

Display custom message if validation fails

Cancel OK

FmPro Migrator looks for columns having the Unique and Not Empty validation properties in order to automatically determine which column should be created as a Primary Key column in the SQL database.

Renumber Records - If New PK Column Was Added

Replace Field Contents

Permanently replace the contents of the field
"Trade_Plan_ID" in the 2 records of the current found set?

Replace with: "64"

Replace with serial numbers:

Initial value:

Increment by:

Update serial number in Entry Options?

Replace with calculated result:

If a new PK column was added to the database, click in the new empty field in the first record of the database, and select the Records -> Replace Field Contents... menu item.

Renumber all of the records as shown in the dialog above, click the Replace button.

TOs Matching Base Table Names - Tables List

Manage Database for "FileMakerDB"

Tables Fields Relationships

A table is a unique set of records and fields. A file can contain more than one table.

9 tables defined in this file View by: creation order

Table Name	Source	Details	Occurrences in Graph
† = Placeholder TO	FileMaker	1 field, 0 records	= Placeholder TO
† tbl_Maintenance_Records	FileMaker	29 fields, 0 records	tbl_Maintenance_Records
† tbl_Value_List_Data_Items	FileMaker	2 fields, 0 records	tbl_Value_List_Data_Items
† Members	FileMaker	17 fields, 0 records	Members, Members 2, Members 3
† Companies	FileMaker	5 fields, 0 records	Companies
† Companies 2	FileMaker	5 fields, 0 records	Companies 2
† placeholder_table	FileMaker	2 fields, 0 records	placeholder_table
† tbl_Assets	FileMaker	70 fields, 0 records	Address_Book, tbl_Assets, tbl_Assets 2, tbl_Assets2
† Clients	FileMaker	342 fields, 0 records	Clients, Images

Table Name:

Create Change Delete
Copy Paste Import...

? Print... Cancel OK

Each table in the list of tables needs to have a corresponding Table Occurrence name ...

TOs Matching Base Table Names - TOs

The relationships graph provides access to data in one table from another. If a relationship is defined between two tables (even through another table), fields from one table can be accessed from the other.

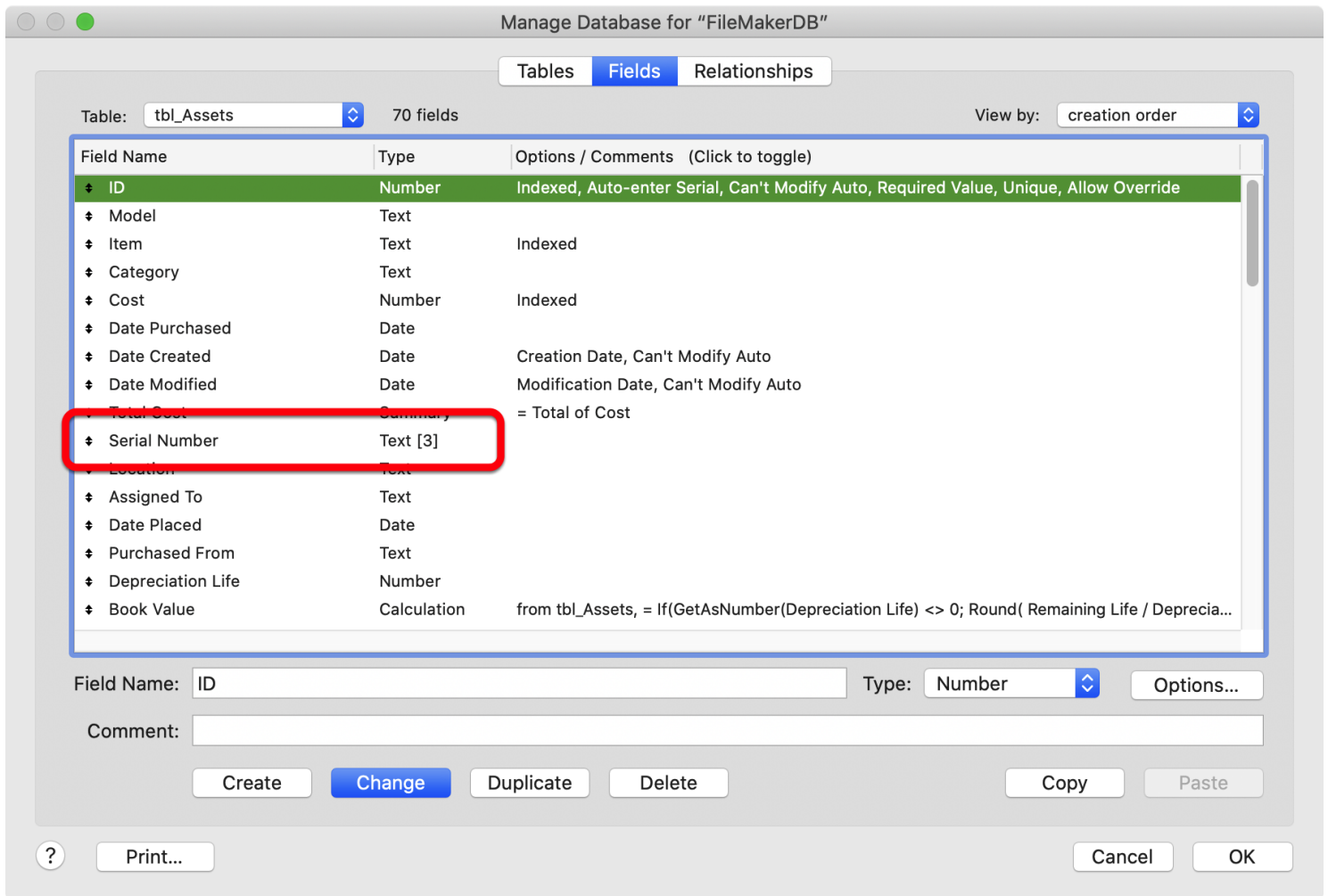
Relationships

Each box to the left is a table occurrence, a view into an underlying source table. When you install certain [add-ons](#), new table occurrences are created here for you. Or you can work with the [relationships graph](#) yourself.

which exactly matches the name of the base table in the database.

This change is required in order for the data to be read from FileMaker for transfer into the SQL or SQLite database.

Repeating Fields



FileMaker repeating fields [like the one shown above for the Serial Number field] are a deprecated feature. Data cannot be directly read from these fields for transfer into a SQL or SQLite database.

In order to work correctly in the new application, repeating fields should be redesigned as records in a separate related database table - if the data is important to the use of the database. Once the data has been exported/imported into the related table - a relationship should be created and a FileMaker portal used to display the data.

Images in Container Fields

For some conversion projects, image transfer is supported to the SQL database.

In the FileMaker database, images need to be stored internally and not referenced as external files prior to conversion.

Note: Commonly supported image types (PNG, JPEG etc.) can be displayed in the fields of the new application. PDF files, spreadsheets and other binary files can be stored as binary data inside the SQL database, but no display preview is available.

Microsoft Access Database Conversion

Microsoft Access Pre-Migration Preparation - App Conversion Service

Single .accdb Database File

A single .accdb Access database file is supported for conversion into an application.

Password Removal

Login Passwords and file passwords (using .MDW files) need to be removed prior to conversion.

Primary Keys

Each table should have an numeric auto-enter primary key. If the primary key columns aren't consistently named, these should be documented and sent with the database.

Images

Image transfer from Access to SQL/SQLite databases is not supported for this service.

Visual FoxPro Project Conversion

Visual FoxPro Pre-Migration Preparation - App Conversion Service

Visual FoxPro 9 Required

The VFP project should be upgraded to VFP 9 prior to conversion.

Identifiable Primary Keys

Each table should have an numeric auto-enter primary key. If the primary key columns aren't consistently named, these should be documented and sent with the database.

Add Free Tables to DBC

Each Free Table DBF file in the project needs to be added into a DBC (database) within the project.

Relationships Added to DBC

In order for FmPro Migrator to determine the relationships within a project, these should be defined within the DBC file.

Images

Image transfer from Visual FoxPro DBF files to SQL/SQLite databases is not supported for this service.