



# FmPro Migrator

The database to Servoy® migration tool

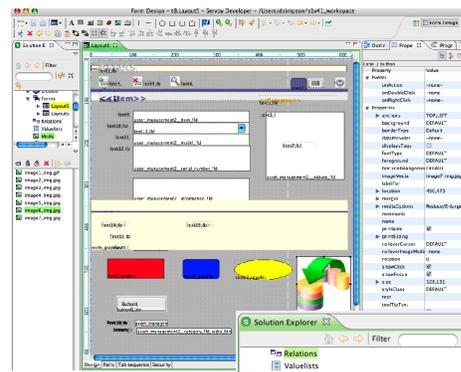
Convert FileMaker® Pro, Microsoft® Access® & Visual FoxPro® Tables, Layouts/Forms, Relationships, Queries, Menus & Scripts into Servoy Eclipse Projects

## Top 10 Features

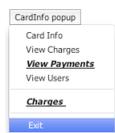


- Fixed-price service, keeps your Servoy migration project affordable [Supports Servoy 4, 5, 6].
- Offshore to your desktop, process files locally with FmPro Migrator Developer Edition.
- Automated conversion of Layouts/Forms/Reports to Servoy Eclipse Forms.
- FileMaker Pro & Visual FoxPro scripts are converted into executable JavaScript code.
- Global fields are added to the globals.js file, calculated fields are added to calculations.js files and Summary fields are converted into Servoy aggregations.
- Database relationships are converted into Servoy relations.
- Custom Value Lists are converted into Servoy ValueLists.
- Embedded Layout/Form images are de-duped and added to each generated Servoy Form.
- Converts Tab Controls & Pageframes into Servoy TabPanels including embedded objects.
- Saves many hours of manual work converting each Layout/Form/Report.

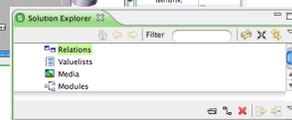
### Forms



### Menus



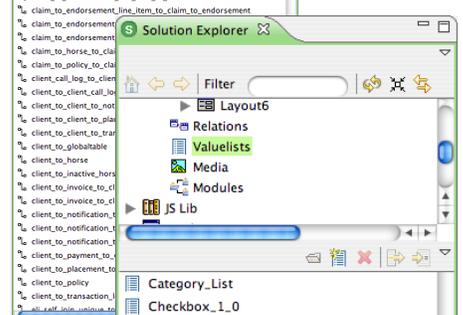
### Relations



### Field Calculations & Aggregations

Name	Returned type	Calculation	Stored
day1	DATE TIME	// return Date_of_End_of_Week - 6	return 1; 0F
day2	DATE TIME	// return Date_of_End_of_Week - 5	return 1; 0F
day3	DATE TIME	// return Date_of_End_of_Week - 4	return 1; 0F
day4	DATE TIME	// return Date_of_End_of_Week - 3	return 1; 0F
day5	DATE TIME	// return Date_of_End_of_Week - 2	return 1; 0F
day6	DATE TIME	// return Date_of_End_of_Week - 1	return 1; 0F
grand_total	NUMBER	// return Sum(Expense.Subtotal, Weeks * Subtotal)	return 1; 0F
hitinsurance	MEDIA	// return Case ( \$_SortBy = "Amount" ; \$ _HitMediaLibrary )	return 1; 0F
hitemployee	MEDIA	// return Case ( \$_SortBy = "Name" ; \$ _HitMediaLibrary )	return 1; 0F
hitmedium	MEDIA	// return Case ( \$_SortBy = "Type" ; \$ _HitMediaLibrary )	return 1; 0F
hitweek	MEDIA	// return Case ( \$_SortBy = "Week" ; \$ _HitMediaLibrary )	return 1; 0F
n_1	NUMBER	// return 1	return 1; 0F
n_2	NUMBER	// return 2	return 1; 0F
invoiced_12_num	TEXT	// return MiddleValues ( List ( Expense Limits, NumDays )	return 1; 0F
invoiced_12_desc	TEXT	// return MiddleValues ( List ( Expense Limits, NumDays )	return 1; 0F
invoiced_3_desc	TEXT	// return LeftValues ( List ( Expense Limits, NumDays )	return 1; 0F
invoiced_6_desc	TEXT	// return MiddleValues ( List ( Expense Limits, NumDays )	return 1; 0F

### ValueLists



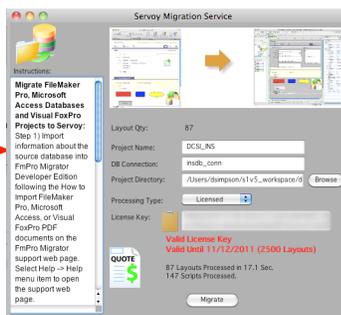
Solution.pjx



Assets.fp7



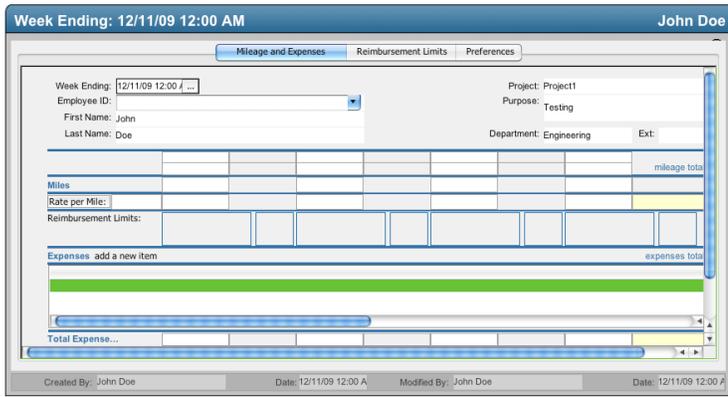
Northwind 2007.accdb



272 Layouts Processed in 45.1 Sec.  
512 Scripts Processed.

Migrate

## Tab Control & PageFrame to Servoy TabPanel Conversion



FileMaker Pro and Microsoft Access Tab Controls and Visual FoxPro pageFrame Controls are converted into Servoy TabPanels, including embedded objects. Each TabPanel is created as a separate Servoy subForm referenced by the Tab Panel control on the parent form. Embedded Tab Controls and their objects are migrated as well.

Each individual TabPanel object is placed onto the main Tab Control in a staggered manner for easy selection within the Servoy Eclipse IDE.

## FileMaker Pro Portals & Access SubForms & Visual FoxPro Grids Converted into Servoy Portals

Servoy portals can include the display of multiple field types, including ComboBox, CheckBox, Radio button groups, regular buttons and image objects. The equivalent objects from the source database are recreated at the same size and location within the Servoy form.

Asset ID	Maint. ID	Date	Notes	Picture	Cond1	Condition2	Condition3	Condition4
1	1	3/19/09 12:0	Note1		New	New	<input type="checkbox"/> New <input checked="" type="checkbox"/> Excellent <input type="checkbox"/> Good	<input type="radio"/> New <input type="radio"/> Excellent <input checked="" type="radio"/> Good <input type="radio"/> Delete Row
1	2	3/20/09 12:0	Note2		Excellent	Excellent	<input checked="" type="checkbox"/> New <input type="checkbox"/> Excellent <input type="checkbox"/> Good	<input type="radio"/> New <input type="radio"/> Excellent <input type="radio"/> Good <input type="radio"/> Delete Row

## FileMaker Scripts & FoxPro .PRG Code Converted into Servoy JavaScript Code

Each FileMaker Pro script captured by FmPro Migrator, is converted into executable JavaScript code for use within the globals.js file. Visual FoxPro .PRG file code and Form object code is converted into separate Servoy JavaScript .js files using the VFP Code Converter utility. Form object code files are given the same name as the converted Form/Report, so that these files can be used as code-behind JavaScript files within the Servoy IDE. These converted scripts are intended to be used as a template for the writing of new JavaScript code which will be used to replace the original business logic functionality.

For FileMaker Pro scripts, the script conversion process can be customized by editing the table of conversion records within the FmigScriptConversion.db3 SQLite mapping file.

```
globals.js
1 //----- datepick.prg
2 //----- C:\DS\VFP_TESTS\SOLUTION\reports\datepick.prg
3 // Plot graph (Polar).
4 // Parameter:
5 // 1) cEquation (For radius) in terms of X. TYPE = Character.
6 // 2) nFrom Where to stop counting for X. TYPE = Numeric.
7 // 3) nTo. Where to start counting for X. TYPE = Numeric.
8 // 4) nStepInc. Step increment. TYPE = Numeric.
9 // 5) nEquColor. TYPE = Numeric.
10 // 6) lConnect. If the previous point is connected to the current point with a line. TYPE = Log
11 // 7) nXCenter. Point on form where x = 0. TYPE = Numeric.
12 // 8) nYCenter. Point on form where y = 0. TYPE = Numeric.
13 // 9) lAddCoords. If you should add coordinate lines. TYPE = Logical.
14 // 10) frmFormName. Name for form to write on. TYPE = Character.
15 // 11) nEquScale. Scale. TYPE = Numeric.
16 function datepick_prg(cEquation, nFrom, nTo, nStepInc, nEquColor, lConnect, nXCenter, nYCenter,
17 var nOldY;
18 var nOldX;
19 var nTempMaxNum;
20 nTempMaxNum = 30000;
21
22 if (PARAMETERS() < 10) {
23 //define PGRAPH_LOC "This program requires multiple parameters."
24 application.sleep(5); //WAIT WINDOW PGRAPH_LOC
25 //return;
26 }
27
28 if (TYPE('nEquScale') != 'N') {
29 nEquScale = 1;
30 }
31
32 if (lAddCoords) {
33 // Add coordinate lines. R=0.
34 frmFormName.forecolor = rgb(0, 0, 0);
35 frmFormName.line(nXCenter, 0, nXCenter, frmFormName.height);
36 frmFormName.line(0, nYCenter, frmFormName.width, nYCenter);
37 }
38
39 // Calculate old values for x,y (nOldX,nOldY). Used if connect is True.
40
41 X = nFrom;
```

The Servoy Migration Service is included with FmPro Migrator Platinum Edition.