



News from the MBS Plugin

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The MBS Plugin

History

- 17 years of development
- Start with 25 functions
- More than 7100 functions by now



The MBS Plugin

Runs on...

- Claris and FileMaker Pro
- Claris and FileMaker Server
 - scheduled scripts
 - WebDirect
 - Date API
 - Perform Script on Server
- iOS SDK
- FileMaker Go but PSoS
- Runs on Mac Windows and Linux



The MBS Plugin

Over 160 Components

- DynaPDF
- LibXL
- Retrieve and send emails
- OCR on images
- Edit images
- Barcodes
- ...and much much more



The MBS Plugin

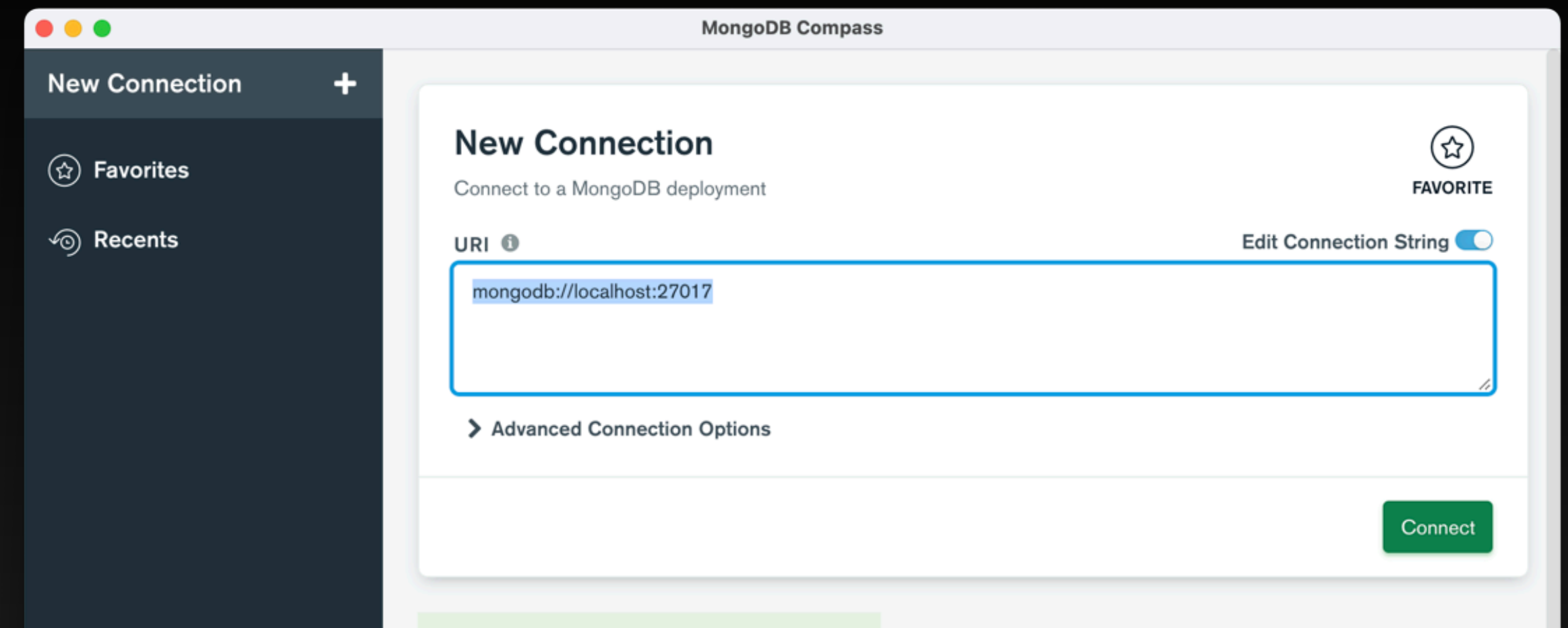
How to use

- Only one single Plugin file
- Only one central script step and function
- More than 600 examples can help you



MongoDB

- Not a relational database not based on tables
- JSON like structure
- consisting of collections and documents
- Very flexible in queries
- Transactions are possible



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Collection

Document

Document

Document

Collection

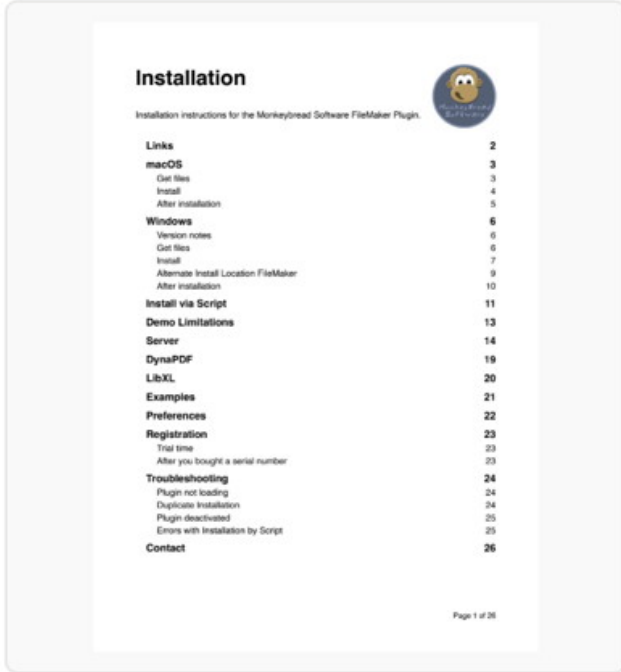
Document

PDF View

- Preview a PDF on a layout
- For Windows and MacOS
- Watch the PDF and work with it!
- PDF from container or file
- You decide the size and position of the control

MBS Plugin can leverage Windows' built-in PDF Viewer to show PDF files.

PDF Container



[Import PDF](#)

PDF Path

[Select PDF](#)


Add either container or file path to show the PDF.

[Show Preview](#)

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Installation

Installation instructions for the Monkeybread Software FileMaker Plugin.



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DynaPDF

1.0 Defini

This agreemen

- DynaP
- DynaP
- DynaP
- DynaP

These product
will be collectiv
manual which

DynaPDF can replace images in a PDF document.

Layout: Replace Image Anzeige: Seitenansicht

Input PDF

Output PDF

Export1.pdf 1 Seite

Mit uns Bauer

Datenabgleich

Wir bitten Sie um eine Überprüfung. Ihre Daten werden überprüft. Wenn Sie Änderungen vornehmen müssen, ändern Sie die Date 11.11.2021 zurück.

Vorname: Johannes
Nachname: Müller
Adresse: Irgendweweg 12a
Stadt: Irgendwohausen
Land: Deutschland
Email: Müller@test.test

ZUGFeRD

Layout: Rechnung Anzeige: Seitenansicht

XML_Grunddatei PDF ZUGFeRD PDF Profile

test.pdf - Adobe Acrobat Reader DC

Signed and all signatures are valid.

invoice3.xml

XML

<?xml version="1.0" encoding="UTF-8" ...>

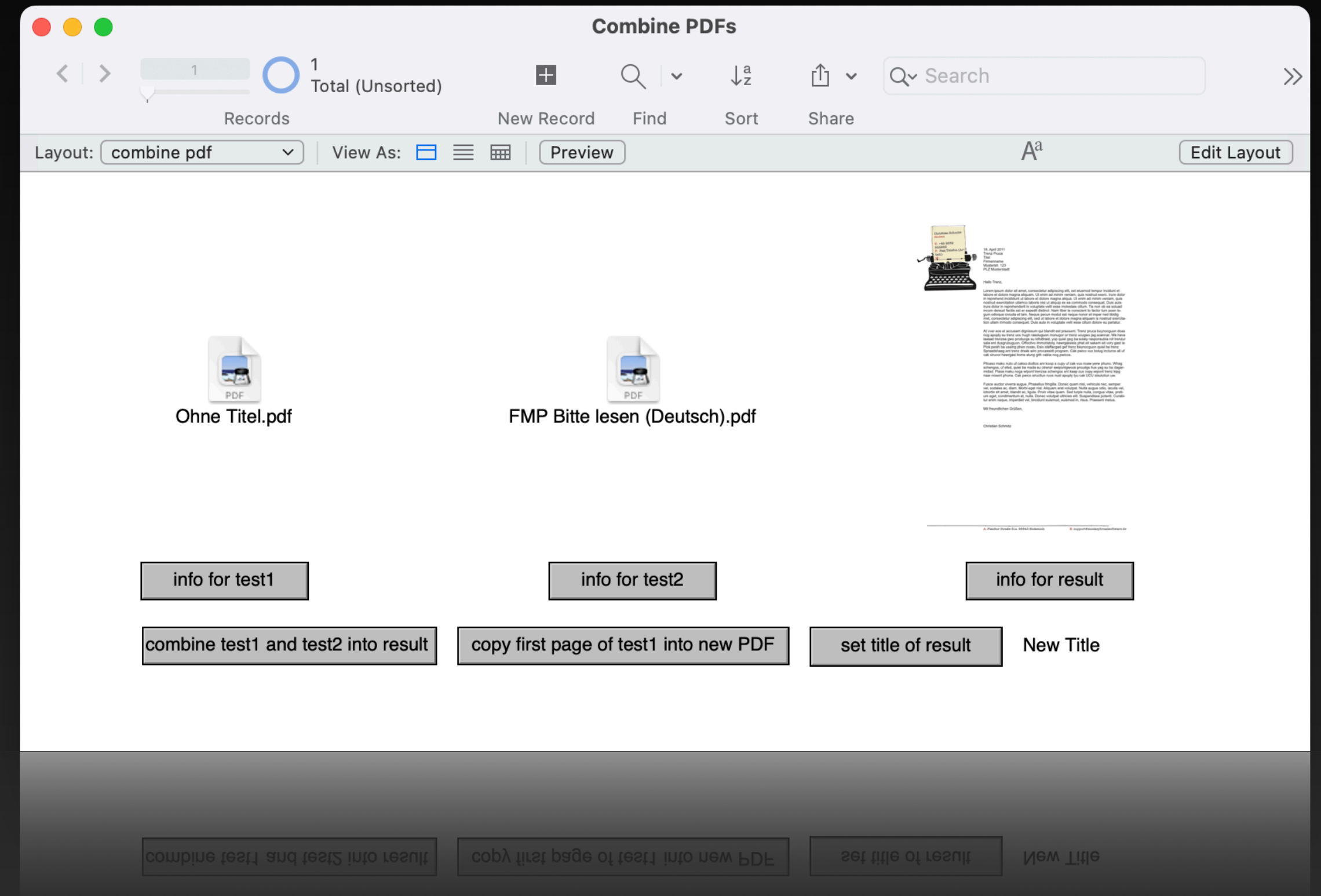
When creating an individual signature appearance make sure to place the validation icon properly with PlaceSigFieldValidatelcon(). The appearance of the validation icon depends on the Acrobat version with which the file is opened. However, the unscaled size of that icon is always 100.0 x 100.0 Units. It can be scaled to every size you want but it is usually best to preserve the aspect ratio and the icon must be placed fully inside the appearance template.

Digitally signed by:
Christian Schmitz

Digitally signed by:
Christian Schmitz

PDFKit

- Insert Images
- Combine PDF Files
- Informations about the PDF
- Print PDF with special settings



WinPDF

- Size of certain areas
- Query informations
- Create a preview
- Render a page image

The screenshot shows the WinPDF application window. The title bar reads "WinPDF". The menu bar includes "File", "Edit", "View", "Insert", "Format", "Records", "Scripts", "Tools", "Window", and "Help". The toolbar contains navigation arrows, a "Records" counter set to 25, "Total (Unsorted)", "Show All", "New Record", "Delete Record", "Find", "Sort", and "Share" buttons. Below the toolbar, there are "Layout: WinPDF" and "View As:" options with icons for list, grid, and preview views. A "Preview" button and "Edit Layout" button are also present.

The main content area displays a document preview of "Installation.pdf". Above the preview, there is a text box: "Windows 10 has a little PDF engine to render previews, which we can use in MBS plugin:". To the left of the preview is an "InputPDF" section with an "Insert PDF" button. To the right is a "Password" input field and a "PageCount" field showing "25" with a "Check Pages" button.

Below the preview, there are two rows of document metadata:

| | | | |
|----------|------|-------|--|
| Page | 1 | Image | Installation |
| Rotation | 0 | | Installation instructions for the Monkeyhead Software FileMaker Plugin |
| Width | 793 | | Links |
| Height | 1123 | | macOS |

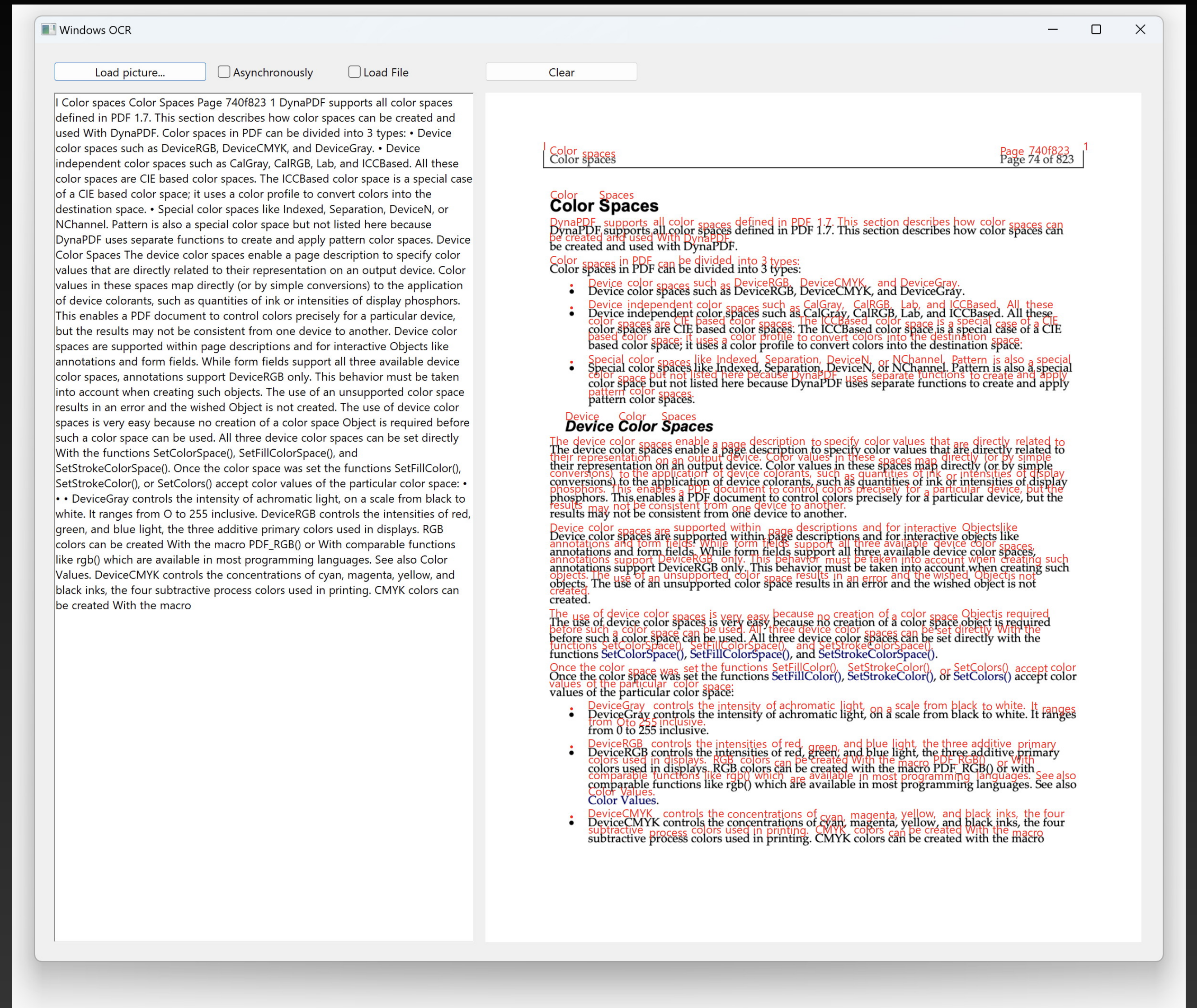
The second row of metadata is similar but for "Page 2":

| | | | |
|----------|------|-------|------------------------------|
| Page | 2 | Image | Links |
| Rotation | 0 | | Monkeyhead Software Website |
| Width | 793 | | MBS FileMaker Plugin Website |
| Height | 1123 | | Plugin Reference |

The document preview shows a table of contents for the "Installation" document, listing sections like "Links", "macOS", "Windows", "Installation via Script", "Dynamic Limitations", "Server", "DynaPDF", "LibXL", "Examples", "Preferences", "Registration", "Troubleshooting", and "Contact" with their respective page numbers.

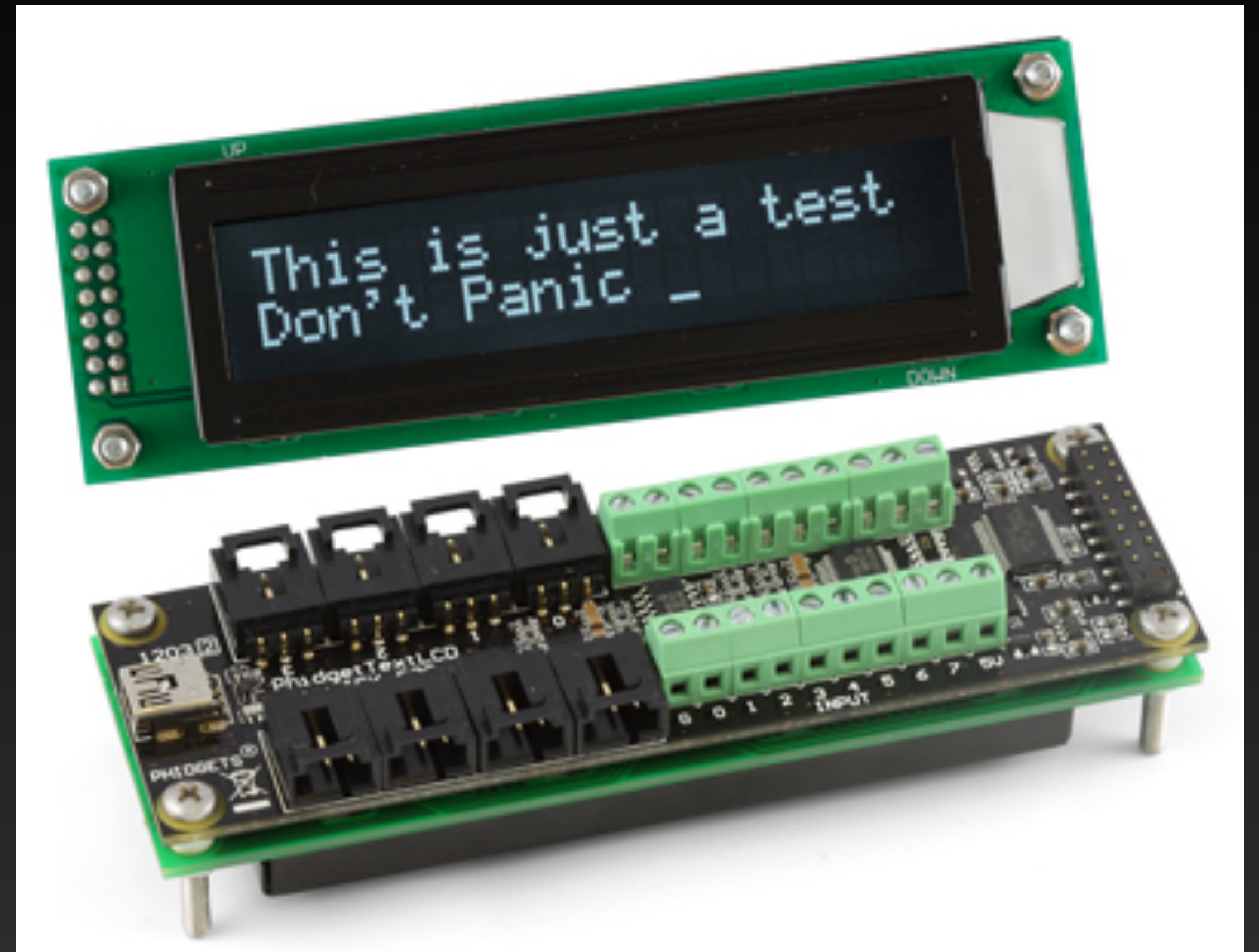
WinOCR

- For Windows 10 and 11
- Use built-in OCR
- multi languages are supported
- Easy to use



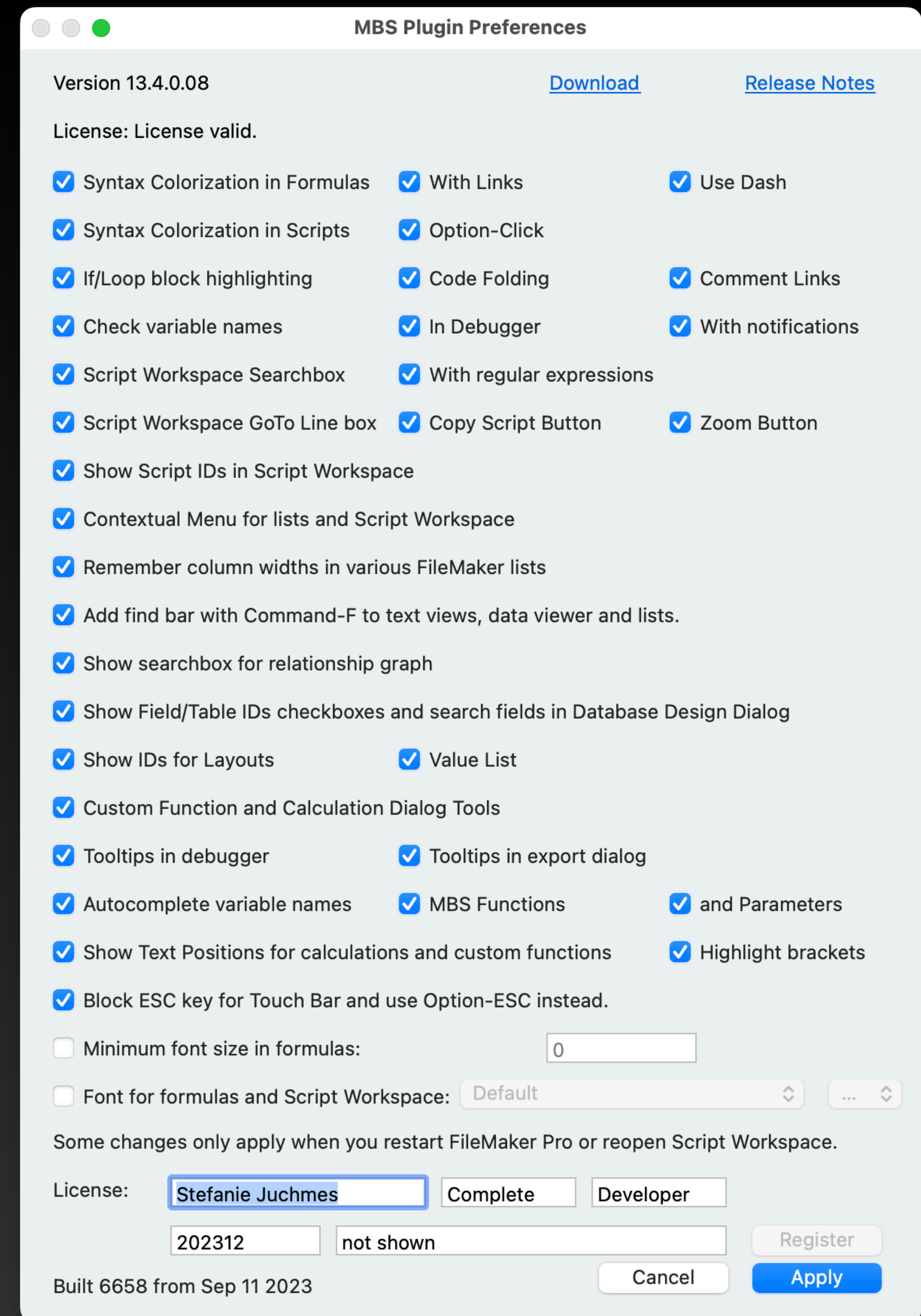
Phidget

- Multi input/Output sensors from Phidgets Inc.
- Connect to your computer and work with the data in FileMaker
- A lot of projects are possible with this sensors



Old But Gold

- Goodies for Mac developer
- Use for free
- Use the Preferences to customize the use of the goodies to your needs



Auto Complete

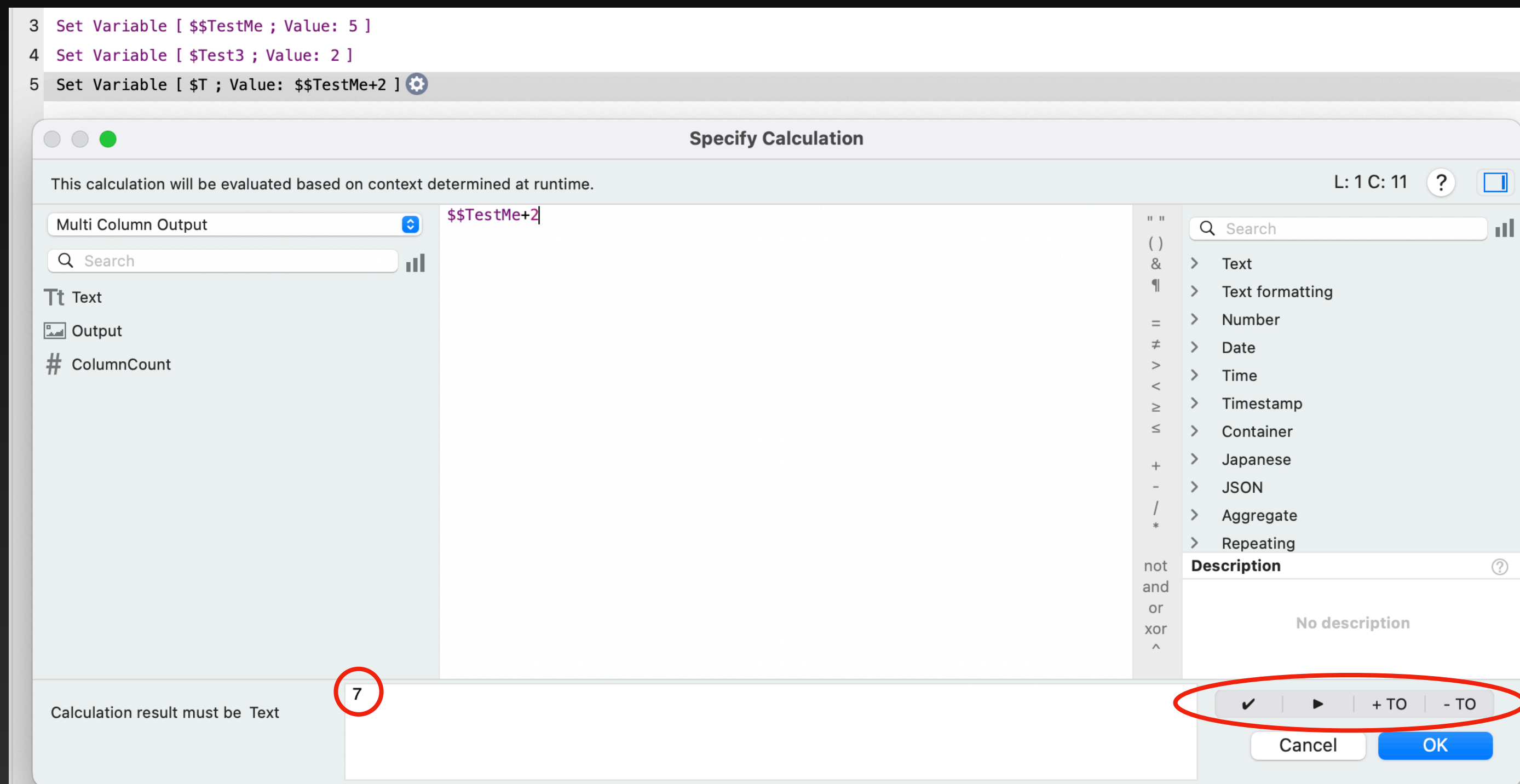
The screenshot shows a code editor with five lines of code:

```
1 Set Variable [ $Test1 ; Value: 2 ]  
2 Set Variable [ $Abc ; Value: 3 ]  
3 Set Variable [ $TestMe ; Value: 5 ]  
4 Set Variable [ $Test3 ; Value: 2 ]  
5 Set Variable [ ]
```

The fifth line is selected, and a 'Specify Calculation' dialog box is open. The dialog contains the following elements:

- Header: Specify Calculation
- Text: This calculation will be evaluated based on context determined at runtime.
- Dropdown menu: Multi Column Output
- Search bar: Search
- Auto-complete list:
 - Tt Text
 - Output
 - # ColumnCount
- Footer: Calculation result must be Text
- Footer: Check/Execute Results by MBS Plugin

Syntax check and evaluation test for calculations and custom functions dialogs



Size Up and change your font

```
Script Workspace (Multi Column Output)
InitDynaPDF * Test
1 # Locate DynaPDF library
2
3
4
5 # you can have libraries in container and export at runtime to folder of your choice
6
7 # Or install library somewhere and pass path.
8
9 # If library is in same folder as plugin, you can only pass only file name.
10
11
12
13 If [ MBS("IsServer") ]
14
15     # Put the path you use for your server here:
16     If [ Get(SystemPlatform) = -2 ]
17
18         # Server on Windows
19         Set Variable [ $path ; Value: "C:\Programs\FileMaker Server\dynapdf.dll" ]
20
21     Else If [ MBS("IsLinux") ]
22
23         # Server on Linux for FileMaker Cloud
24
25         # Locate DynaPDF library
26
27         # you can have libraries in container and export at runtime to folder of your choice.
28
29         # Or install library somewhere and pass path.
30
31         # If library is in same folder as plugin, you can only pass only file name.
32
33     If [ MBS("IsServer") ]
34
35         # Put the path you use for your server here:
36         If [ Get(SystemPlatform) = -2 ]
37
38             # Server on Windows
39             Set Variable [ $path ; Value: "C:\Programs\FileMaker Server\dynapdf.dll" ]
40         Else If [ MBS("IsLin... ]
41
42             # Server on Linux for FileMaker Cloud
43
44             Set Variable [ $path ; Value: "/opt/FileMaker/FileMaker Server/dynapdf.linux.so" ]
45         Else
```

Copy script text

InitDynaPDF in file Multi Column Output

```
# Locate DynaPDF library
#
# you can have libraries in container and export at runtime to folder of your choice.
# Or install library somewhere and pass path.
# If library is in same folder as plugin, you can only pass only file name.
#
If [ MBS("IsServer") ]
  # Put the path you use for your server here:
  If [ Get(SystemPlatform) = -2 ]
    # Server on Windows
    Set Variable [ $path ; Value: "C:\Programs\FileMaker Server\dynapdf.dll" ]
  Else If [ MBS("IsLinux") ]
    # Server on Linux for FileMaker Cloud
    Set Variable [ $path ; Value: "/opt/FileMaker/FileMaker Server/
dynapdf.linux.so" ]
  Else
    # Server on Mac
    Set Variable [ $path ; Value: "/Library/FileMaker Server/dynapdf.dylib" ]
  End If
Else
```

```
× InitDynaPDF * Test
1 # Locate DynaPDF library
2
3 # you can have libraries in container and export at runtime to folder of your choice.
4 # Or install library somewhere and pass path.
5 # If library is in same folder as plugin, you can only pass only file name.
6
7 If [ MBS("IsServer") ]
8   # Put the path you use for your server here:
9   If [ Get(SystemPlatform) = -2 ]
10    # Server on Windows
11    Set Variable [ $path ; Value: "C:\Programs\FileMaker Server\dynapdf.dll" ]
12  Else If [ MBS("IsLinux") ]
13    # Server on Linux for FileMaker Cloud
14    Set Variable [ $path ; Value: "/opt/FileMaker/FileMaker Server/dynapdf.linux.so" ]
15  Else
16    # Server on Mac
17    Set Variable [ $path ; Value: "/Library/FileMaker Server/dynapdf.dylib" ]
18  End If
```

Add your own Context Menu Command

InitDynaPDF

Test

Type a step or choose from the list.



Links as comments

34 # You can test for free.

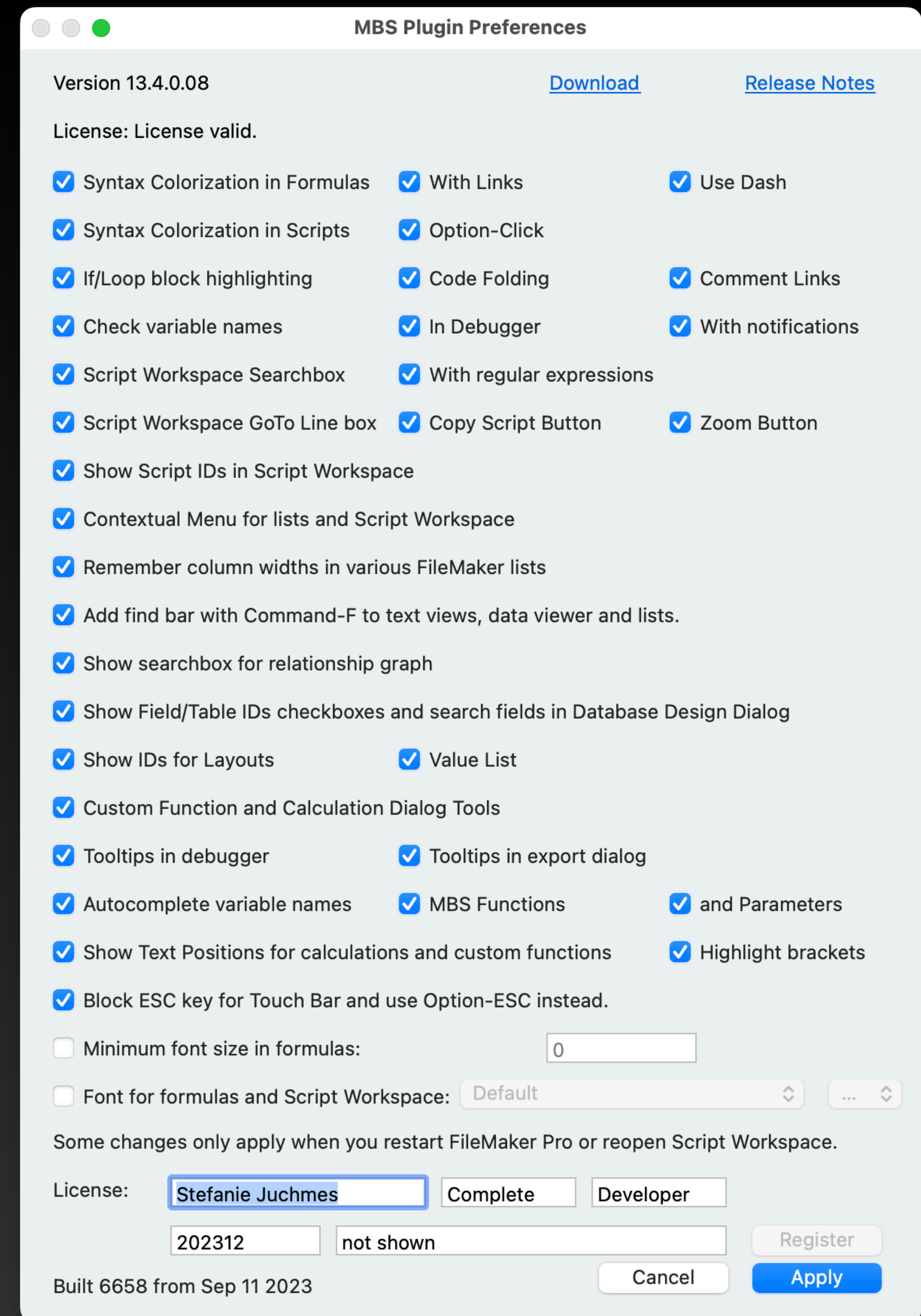
35 # If you like to get a dynapdf license, please follow links on our pricing page:

36 # <https://www.monkeybreadsoftware.de/filemaker/pricing.shtml>



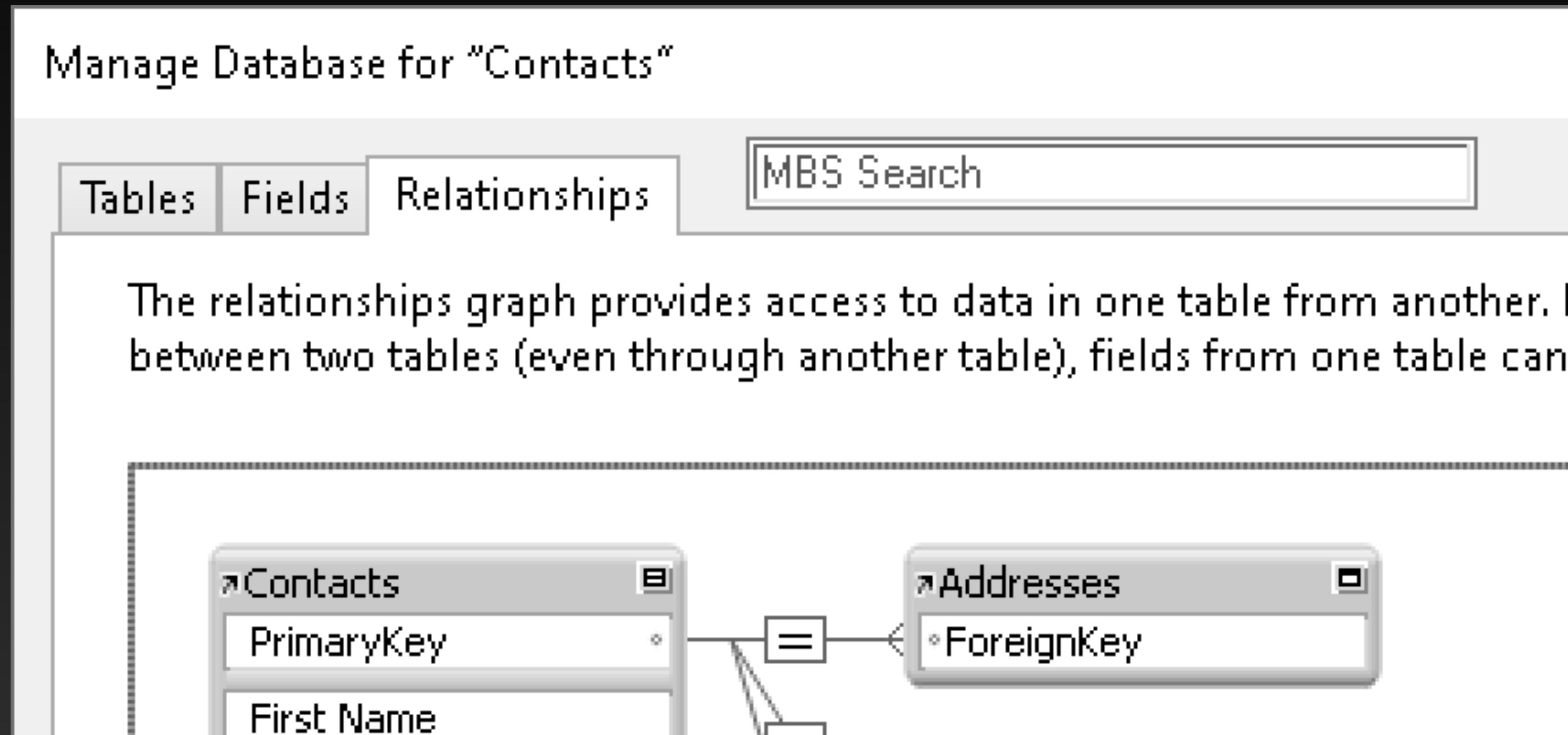
Old But Gold

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- Use for free
- Use the Preferences to customize the use of the goodies to your needs



A Goodie for Windows

Search in the relationship graph



Thank You!