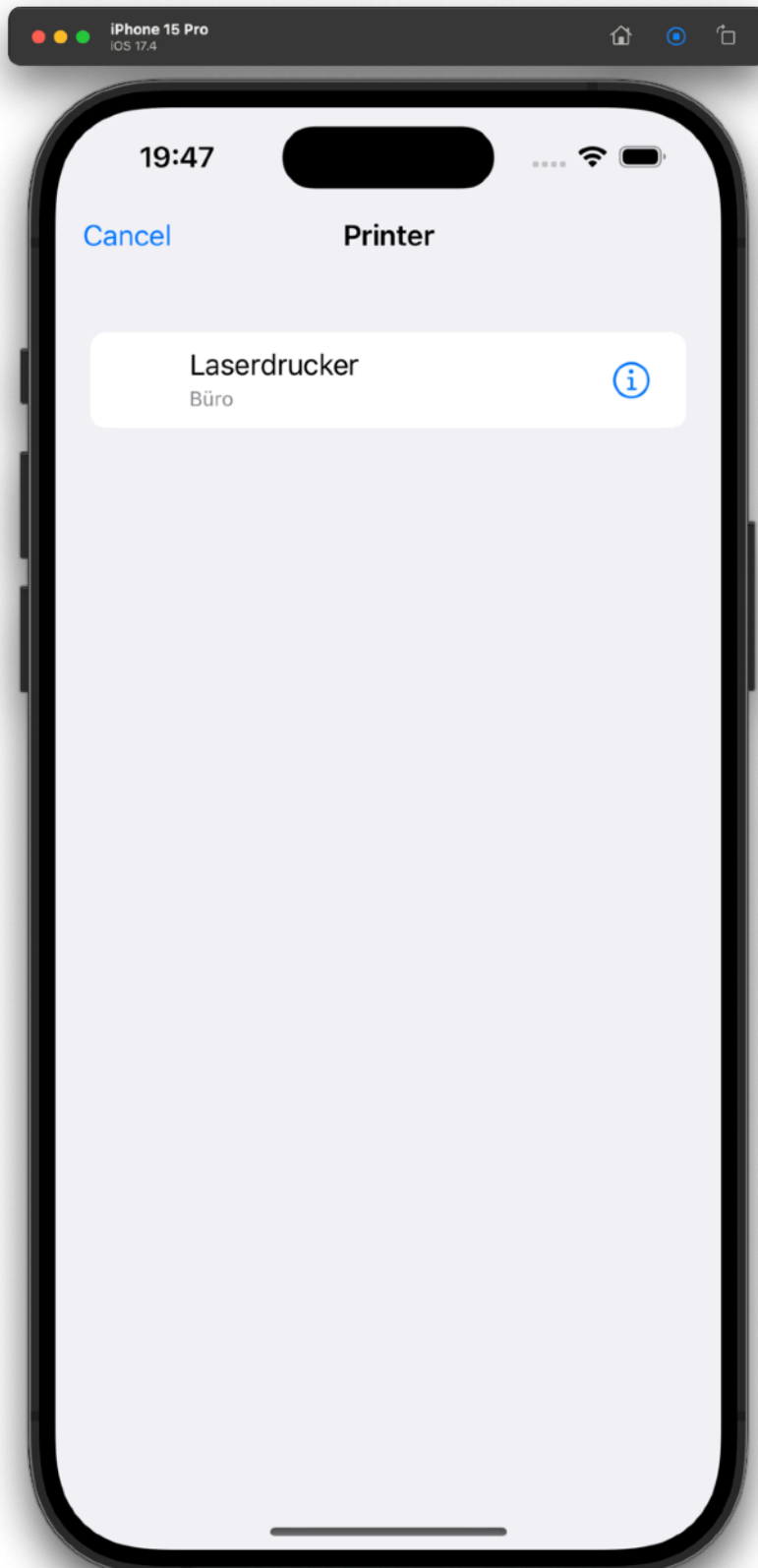


Controlled printing for iOS in FileMaker

If you use FileMaker iOS SDK, we can provide a few new print commands for iOS in the [MBS FileMaker Plugin](#) in version 14.2. The new [PDFKit.SelectPrinter](#) function allows you to pick a printer. And the [PDFKit.Print](#) function got extended to print PDF documents as well as images. You can configure printing with [PDFKit.SetPrintSetting](#) function.



Let's start with selecting a printer:

```
If [ Length ( PDFKit Print::PrinterURL ) > 0 ]
    Set Variable [ $r ; Value: MBS( "PDFKit.SetPrintSetting"; "PrinterURL";
PDFKit Print::PrinterURL ) ]
End If
# show the dialog
Set Variable [ $userDidSelect ; Value: MBS( "PDFKit.SelectPrinter" ) ]
If [ MBS("IsError") ]
    Show Custom Dialog [ "Failed to show printer selecto..." ; $r ]
Else If [ $userDidSelect ]
    # and check what we got
    Set Variable [ $printerURL ; Value: MBS( "PDFKit.GetPrintSetting";
"PrinterURL" ) ]
End If
```

This shows the printer picker dialog on iOS and we can pick a printer. If you had selected a printer before, the plugin would remember it. But if you had one stored in a field in the database, you may pre-select that one. After the user picked something, we store the prints in a variable/field.

To print, we need something to print. That may be a container with an image or PDF document. Or you have a file on disk which could be an image or PDF file again. If you have a PDF document in memory through [PDFKit.NewPDFDocument](#), [PDFKit.OpenContainer](#), [PDFKit.OpenPath](#) or [PDFKit.OpenURL](#), you can also pass the reference number. This way you could assemble a PDF in memory and print it directly without storing it in a temporary file or a container field.

```
# Print
Set Variable [ $r ; Value: MBS("PDFKit.Print"; PDFKit Print::PrintItem) ]
If [ MBS("IsError") ]
    Set Field [ PDFKit Print::Result PDFKit Print::Result ; $r $r ]
    Show Custom Dialog [ "Failed to open file" ; $r ]
Else
    Set Field [ PDFKit Print::Result PDFKit Print::Result ; $r $r ]
End If
```

The printing can happen with or without dialog. If you skip the dialog using [PDFKit.SetPrintSetting](#) and the ShowsPrintPanel option being zero, you need to tell the plugin where to print to. For that, please pass the printer URL to the [PDFKit.SetPrintSetting](#) function for PrinterURL option.

The following script prints something from the container directly to the printer named LaserDrucker:

```
Set Variable [ $r ; Value: MBS( "PDFKit.SetPrintSetting"; "ShowsPrintPanel"; 0 ) ]
Set Variable [ $r ; Value: MBS( "PDFKit.SetPrintSetting"; "PrinterURL"; "ipp://
Laserdrucker.local.:631/ipp/print" ) ]
Set Variable [ $r ; Value: MBS( "PDFKit.SetPrintSetting"; "OutputType";
"Grayscale" ) ]
Set Variable [ $r ; Value: MBS( "PDFKit.SetPrintSetting"; "JobTitle"; "Test" ) ]
Set Variable [ $r ; Value: MBS( "PDFKit.SetPrintSetting"; "DuplexMode";
"LongEdge" ) ]
# show the dialog
Set Variable [ $r ; Value: MBS("PDFKit.Print"; PDFKit Print::FileContainer) ]
If [ MBS("IsError") ]
    Set Field [ PDFKit Print::Result PDFKit Print::Result ; $r $r ]
    Show Custom Dialog [ "Failed to open file" ; $r ]
Else
    Set Field [ PDFKit Print::Result PDFKit Print::Result ; $r $r ]
End If
```

As you see the printer URL includes the ipp prefix, the port number. To learn the printer URL, you can use the picker dialog above.

19:46



Cancel

Options



Print

Printer

No Printer Selected >

Copies

1



Paper Size

A4 >

Layout

1 page per sheet >



19:46



Cancel

Options



Print

Printer Laserdrucker >

Presets None >

The printer is low on toner.

Copies 1 - +

Double-sided

Paper Size A4 >

Media & Quality

Auto Select Feed • Auto Select Media Type • Normal Quality >

Layout >



Please try the 14.2 plugin and see if this works for you. Please don't hesitate to contact us with your questions.