

Trigger FileMaker Scripts from JavaScript in FileMaker without fmp URL

Did you know you can have a callback from JavaScript in a web viewer in FileMaker without using FMP URL scheme?

For MacOS and iOS in FileMaker 16 or newer, you can use the WebKit message handler feature.

First you call [Webview.AddScriptMessageHandler](#) function to register a name:

```
MBS( "Webview.AddScriptMessageHandler"; Name )
```

Next you can use it in Javascript to trigger a script in FileMaker from JavaScript:

```
window.webkit.messageHandlers.test.postMessage({'filename':'WebView Message Handler.fmp12', 'parameter':'Hello World from JavaScript', 'scriptName':'test'});
```

And you can evaluate an expression in JavaScript:

```
window.webkit.messageHandlers.test.postMessage({'evaluate':'MBS( "Msgbox"; "Hello from Evaluate in JavaScript" )'});
```

As you see, we get for our message handler a new entry in the namespace called `window.webkit.messageHandlers.test`. This allows us to call `postMessage` method there and this triggers the plugin code to trigger scripts or do evaluation. The parameter to the `postMessage` must be a Javascript object with a few properties:

- `fileName`: The name of the file with the script.
- `scriptName`: The name of the script to trigger.
- `parameter`: The parameter to pass to the script.
- `evaluate`: The expression to evaluation.

This works nice for 2 years now and we'd love to see what you can do with this technique.



You can define a [JavaScript](#) function to wrap this and install it with [WebView.RunJavaScript](#) into the web viewer or include it in the html document:

```
function CallFileMaker(FileName, ScriptName, Parameter)
{
    window.webkit.messageHandlers.test.postMessage({'filename':
FileName, 'parameter': Parameter, 'scriptName': ScriptName });
}
```

Works in FileMaker Pro, Runtimes and in apps based on the FileMaker iOS SDK.