



We share 'cos we can !

# PSBN

Perform Script [ By Name: ...

...or FM ↔ FM APIs

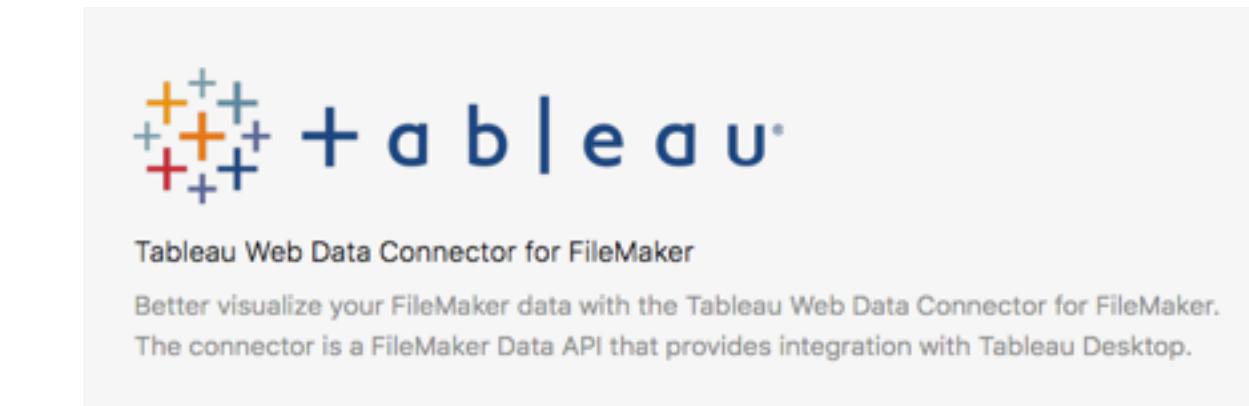


dotFMP, Berlin 2017  
mrwatson-gbs





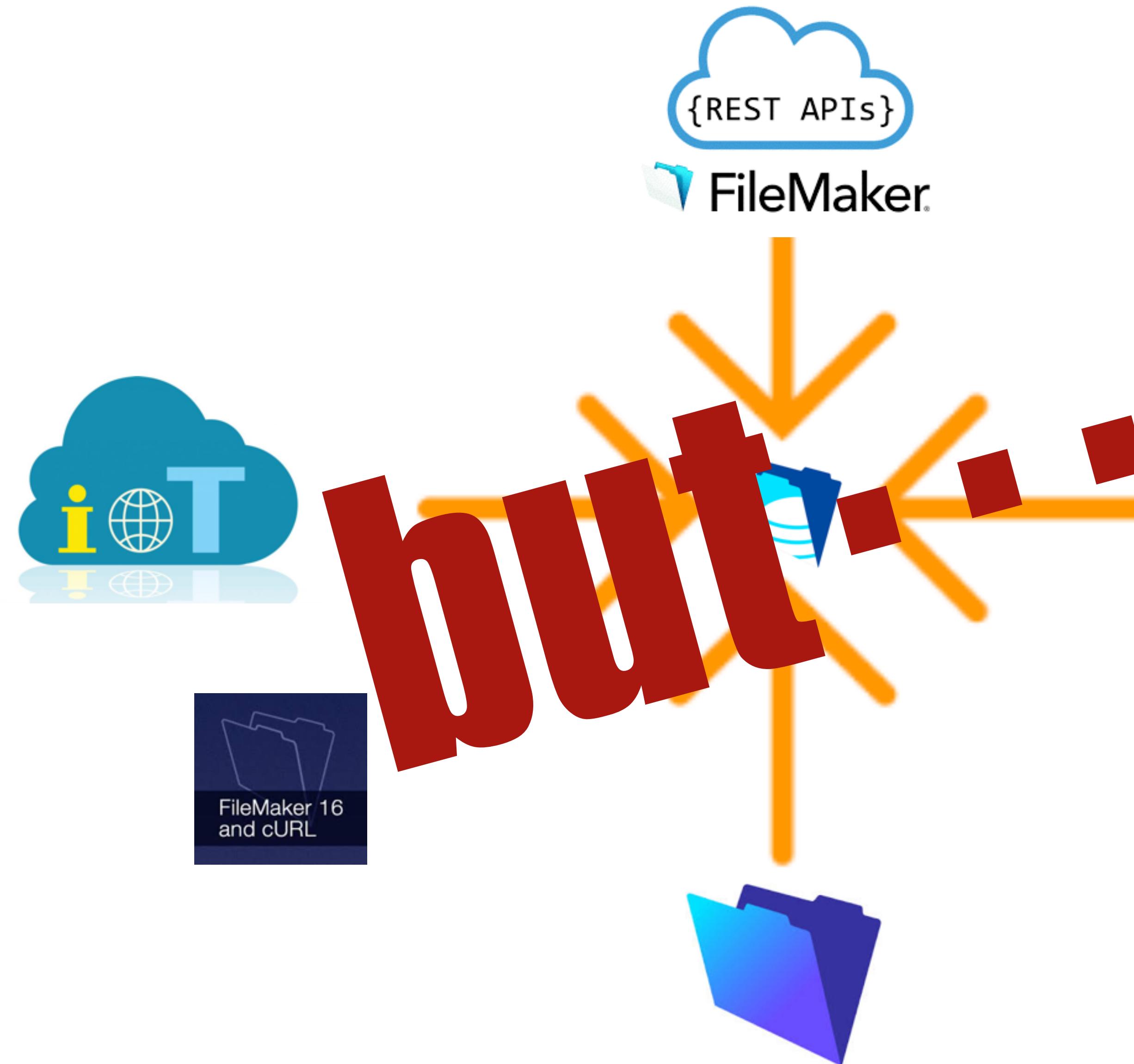
Integration



# Integration



FM16 = Integration = APIs

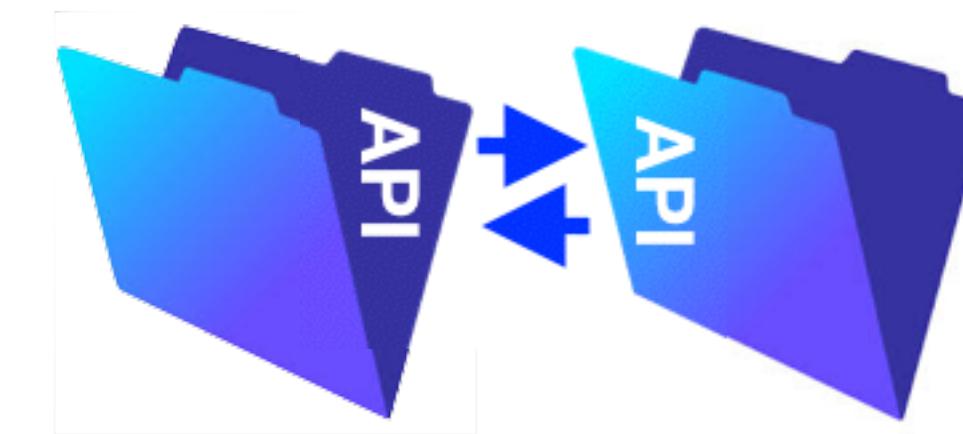


FM16 = Integration = APIs

What about an "FM ↔ FM API"?

File A

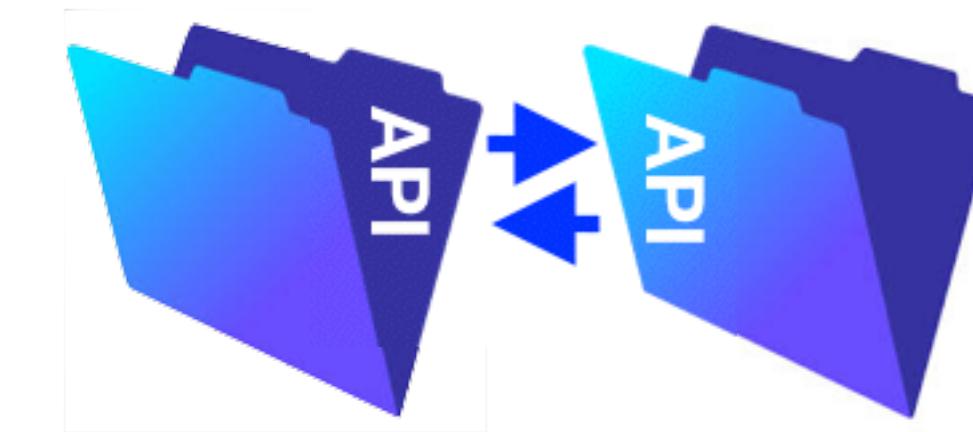
File B



What about an "FM ↔ FM API"?

File A

File B



1

Perform Script

What about an "FM ↔ FM API"?

File A



File B

1

Perform Script

## What about an "FM ↔ FM API"?

File A



File B

-  Duplicate Job
-  Print Job
-  Recalculate Job
-  Delete Job

1

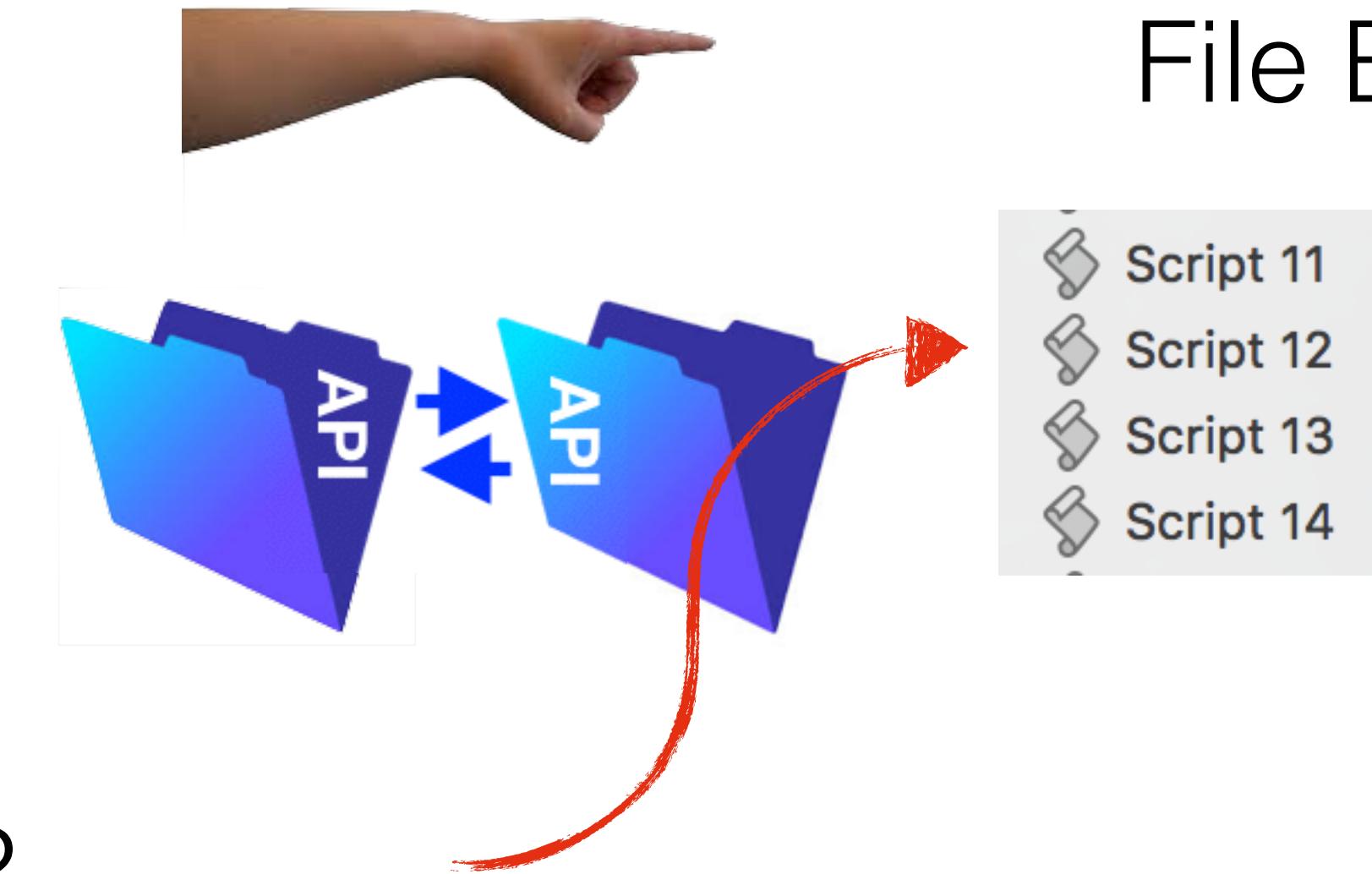
Perform Script "Print Job"

## What about an "FM ↔ FM API"?

File A



File B

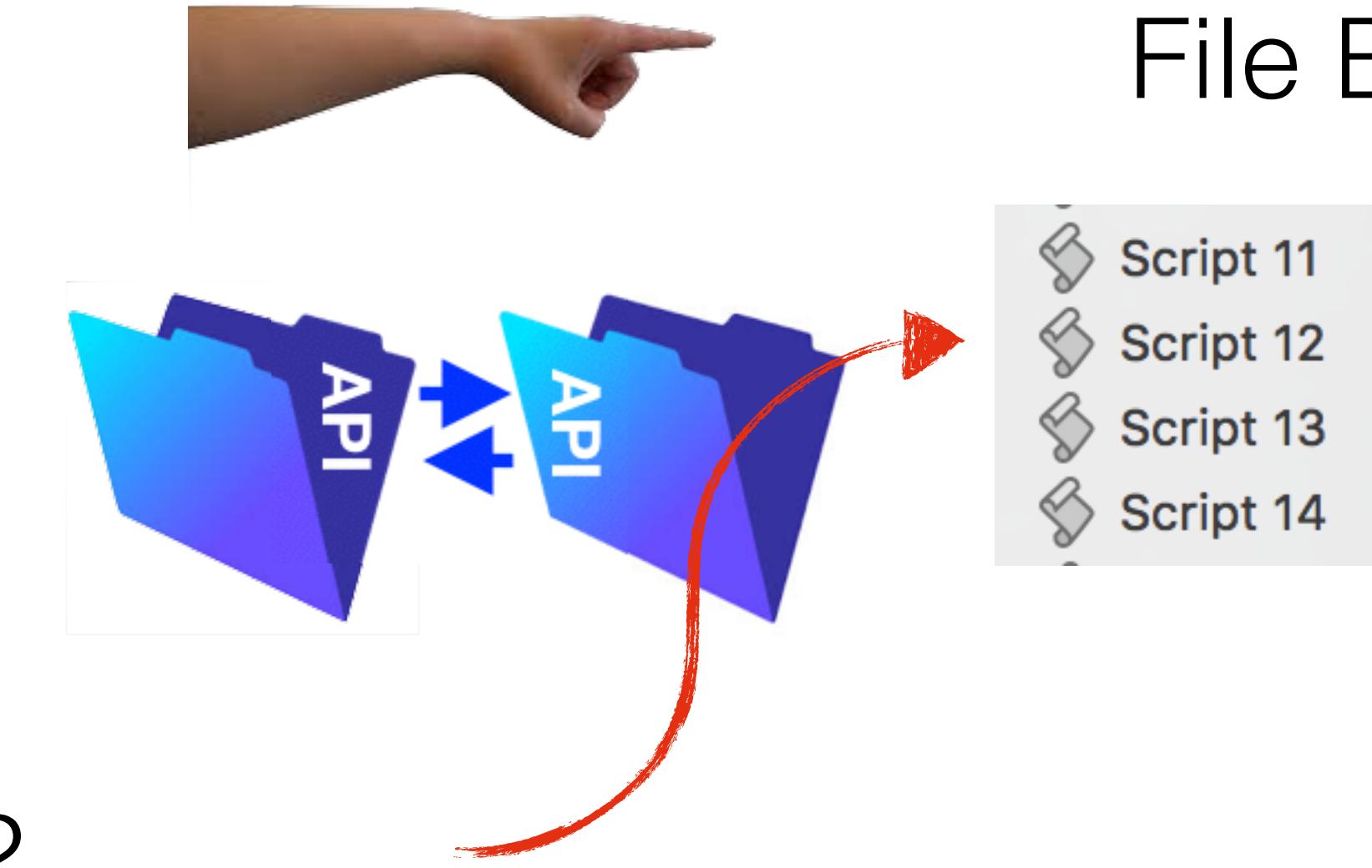


1

Perform Script #12

## What about an "FM ↔ FM API"?

File A



1

Perform Script #12

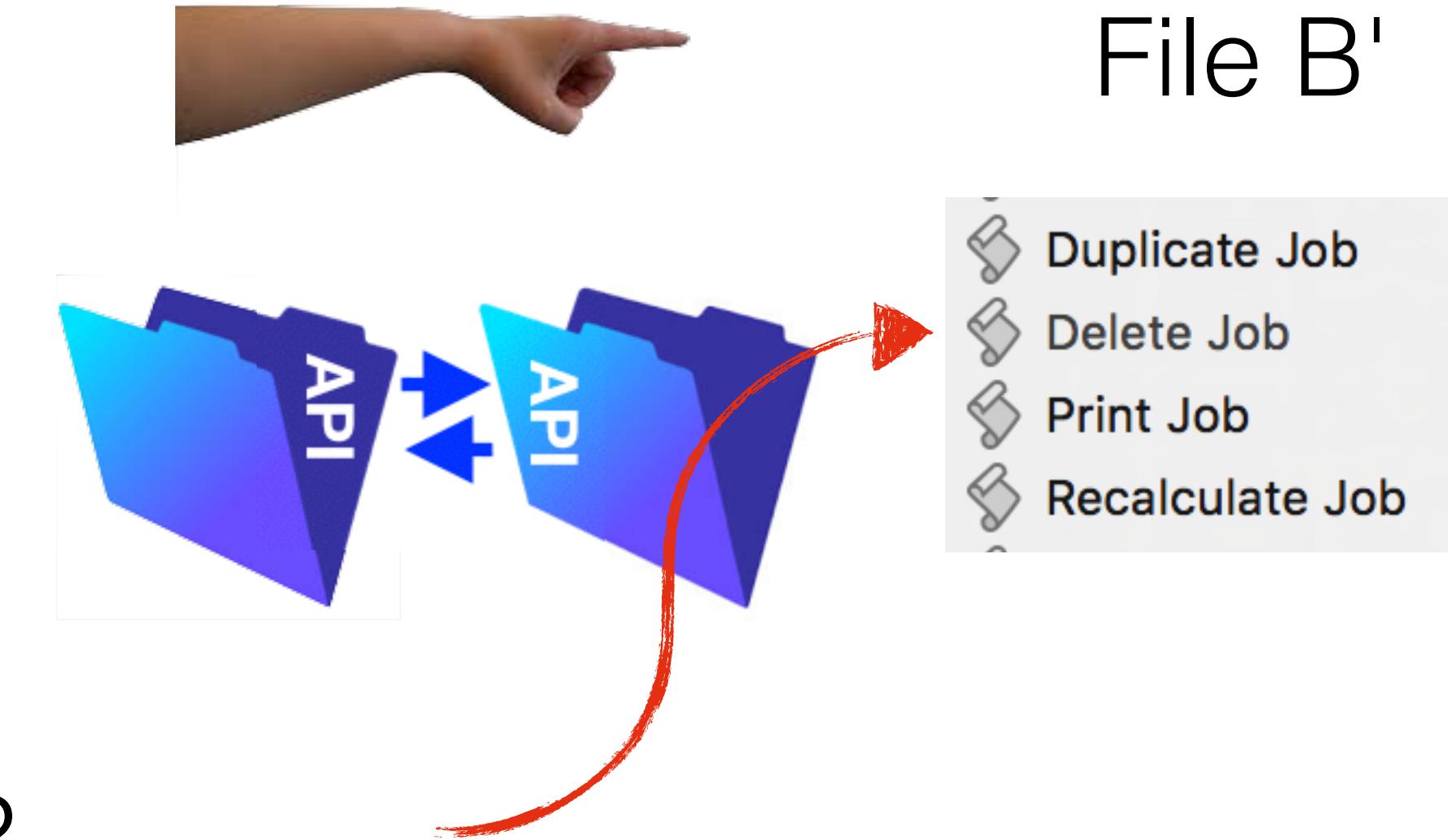
That is 'dangerously' hard-coded!

## What about an "FM ↔ FM API"?

File A



File B'



1

Perform Script #12

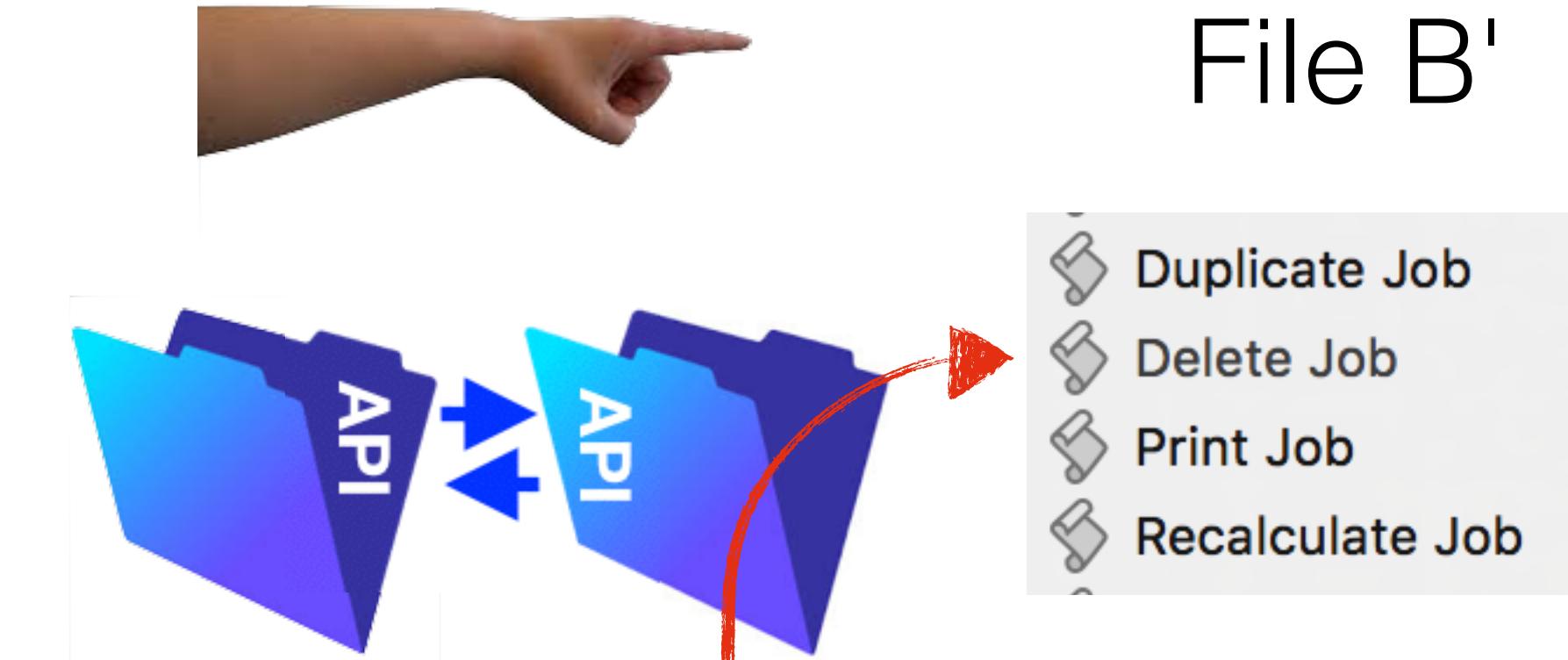
That is 'dangerously' hard-coded!

## What about an "FM ↔ FM API"?

File A



File B'



1

Perform Script "Delete Job"

That is 'dangerously' hard-coded!

What about an "FM"

1

Perform Setup

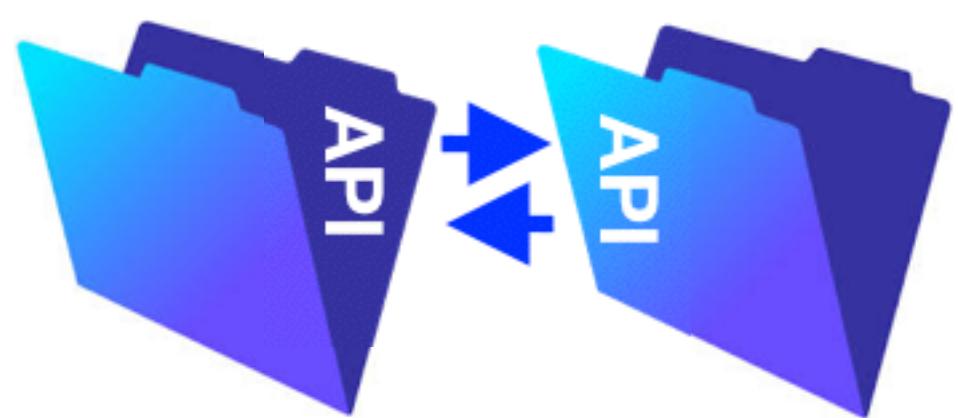


File A

That is 'dangerously' hard-coded!

File A

File B



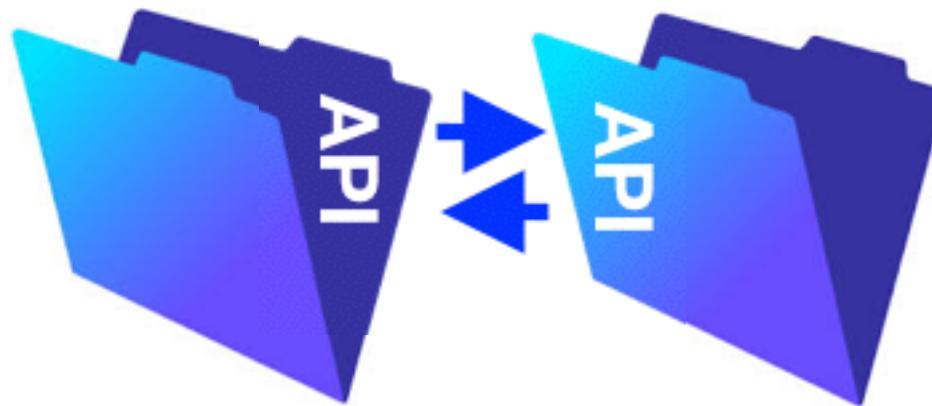
What about an "FM ↔ FM API"?

2

## Dispatch Script

File A

File B

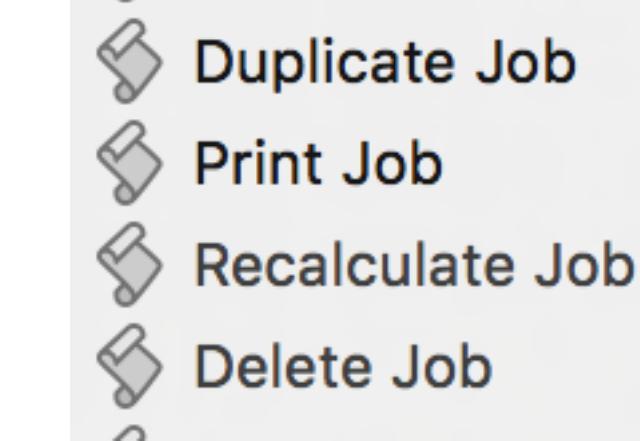


## What about an "FM ↔ FM API"?

### 2 Dispatch Script

```
:  
Else If [$ScriptName = "Print Job"]  
    Perform Script [ "Print Job" ]  
:  
Else If [$ScriptName = "Delete Job"]  
    Perform Script [ "Delete Job" ]  
:  
Else If [$ScriptName = "Recalculate Job"]  
    Perform Script [ "Recalculate Job" ]
```

File B

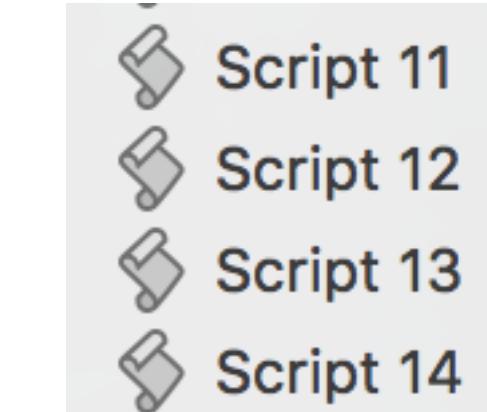


## What about an "FM ↔ FM API"?

### 2 Dispatch Script

```
:  
Else If [$ScriptName = "Print Job"]  
    Perform Script [ "Delete Job" ]  
:  
Else If [$ScriptName = "Delete Job"]  
    Perform Script [ <unknown> ]  
:  
Else If [$ScriptName = "Recalculate Job"]  
    Perform Script [ "Print Job" ]
```

File B



still hard-coded!

# What about an

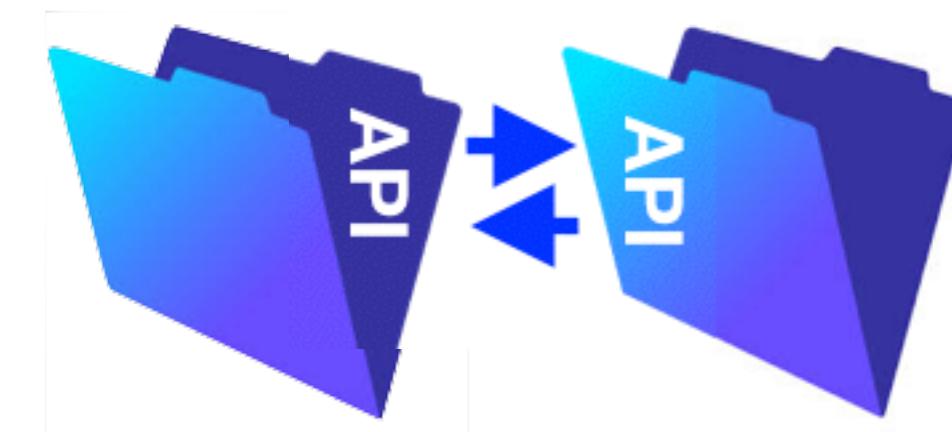
# 2 Dispatch Script

still hard-coded!

What about an "FM ↔ FM API"?

File A

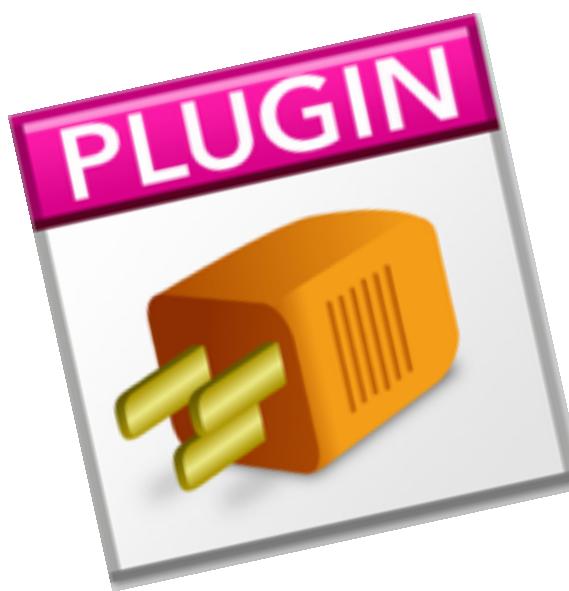
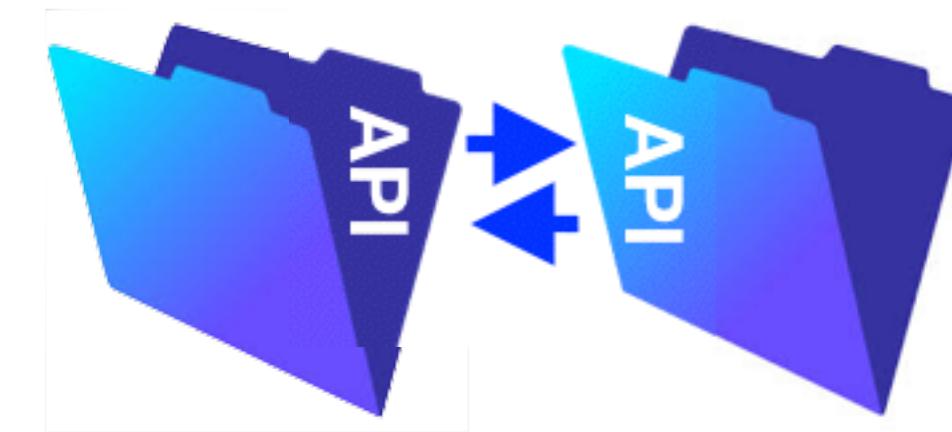
File B



What about an "FM ↔ FM API"?

File A

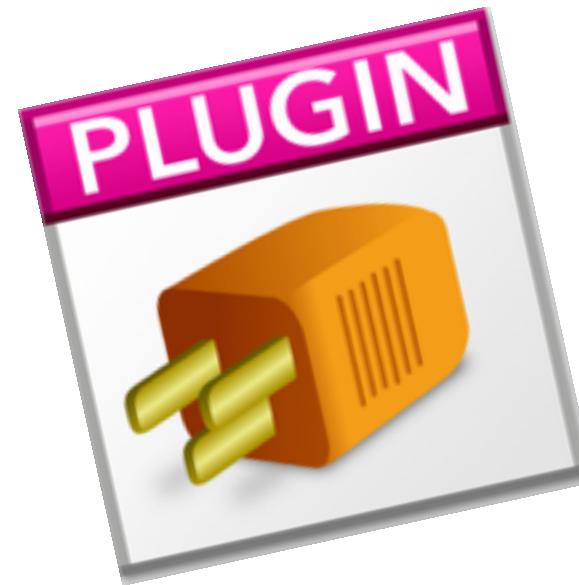
File B



3

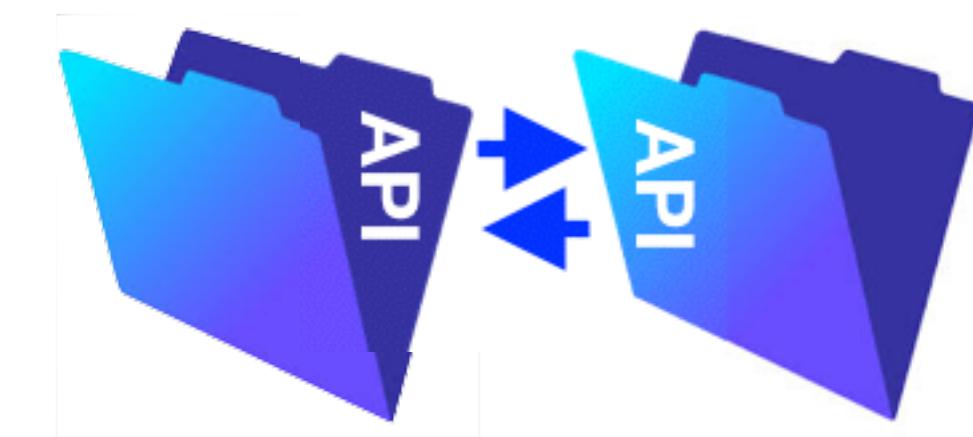
Perform Script "X"  
By Name ...

# What about an "FM ↔ FM API"?



3

File A



Perform Script "X"  
By Name ...

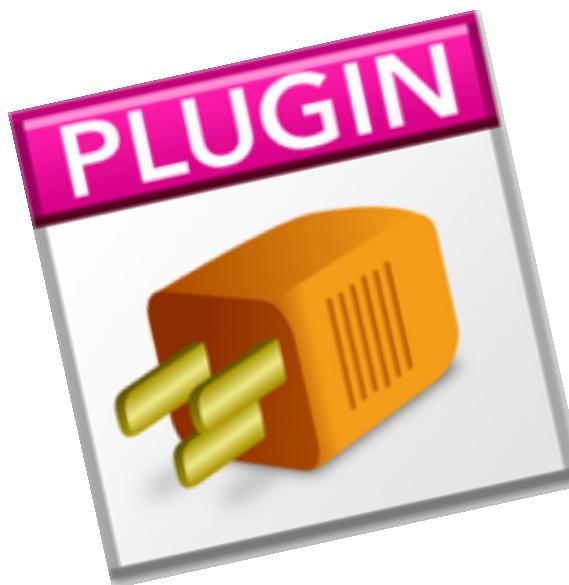
## Call Stack

```
MBS_DeveloperTools Init - fmSyntaxColorizer.fmp12
MBS_SetSyntaxColoringEnabledStatus - fmSyntaxColorizer.fmp12
MBS_SyntaxColoring( Action ) [CheckVariableDeclaration.Enable] - fmSyntaxColorizer.fmp12
Change Palette - fmSyntaxColorizer.fmp12
Colorize! - fmSyntaxColorizer.fmp12
(Button) Home - fmSyntaxColorizer.fmp12
```

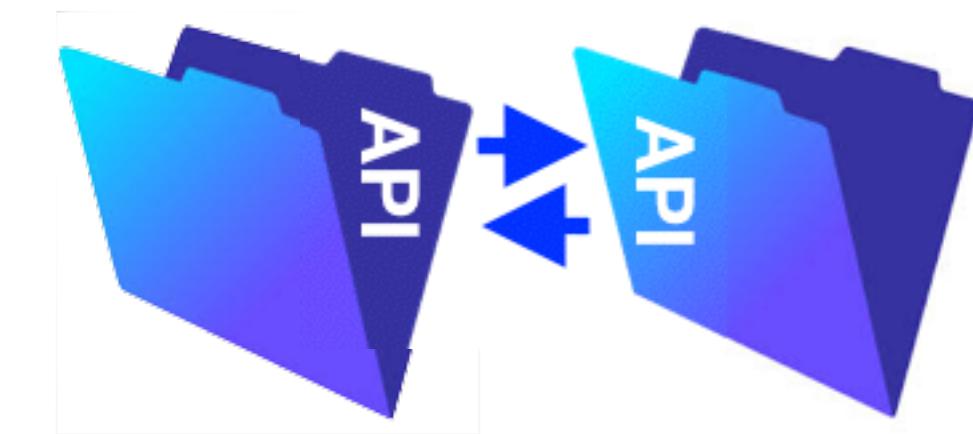
"X"

# What about an "FM ↔ FM API"?

File A



3



Perform Script "X"  
By Name ...

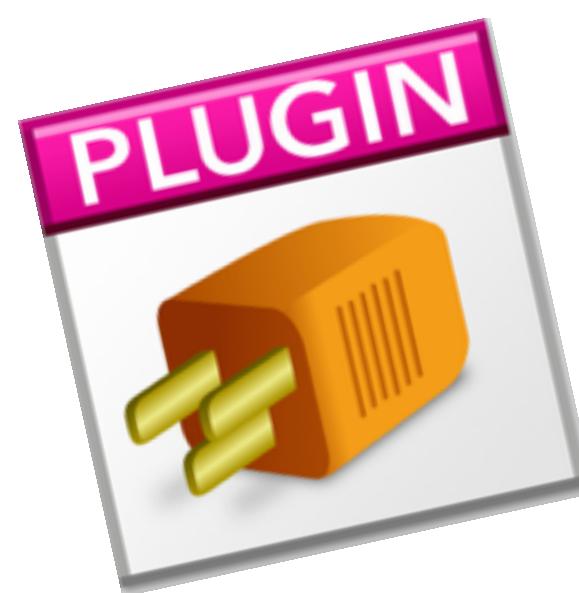
## Call Stack

```
MBS_DeveloperTools Init - fmSyntaxColorizer.fmp12
MBS_SetSyntaxColoringEnabledStatus - fmSyntaxColorizer.fmp12
MBS_SyntaxColoring( Action ) [CheckVariableDeclaration.Enable] - fmSyntaxColorizer.fmp12
Change Palette - fmSyntaxColorizer.fmp12
Colorize! - fmSyntaxColorizer.fmp12
(Button) Home - fmSyntaxColorizer.fmp12
```

"X"

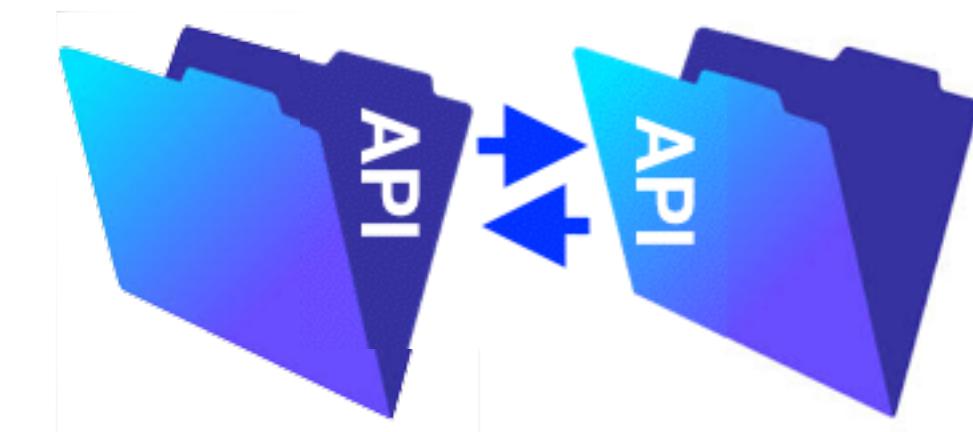


# What about an "FM ↔ FM API"?



3

File A



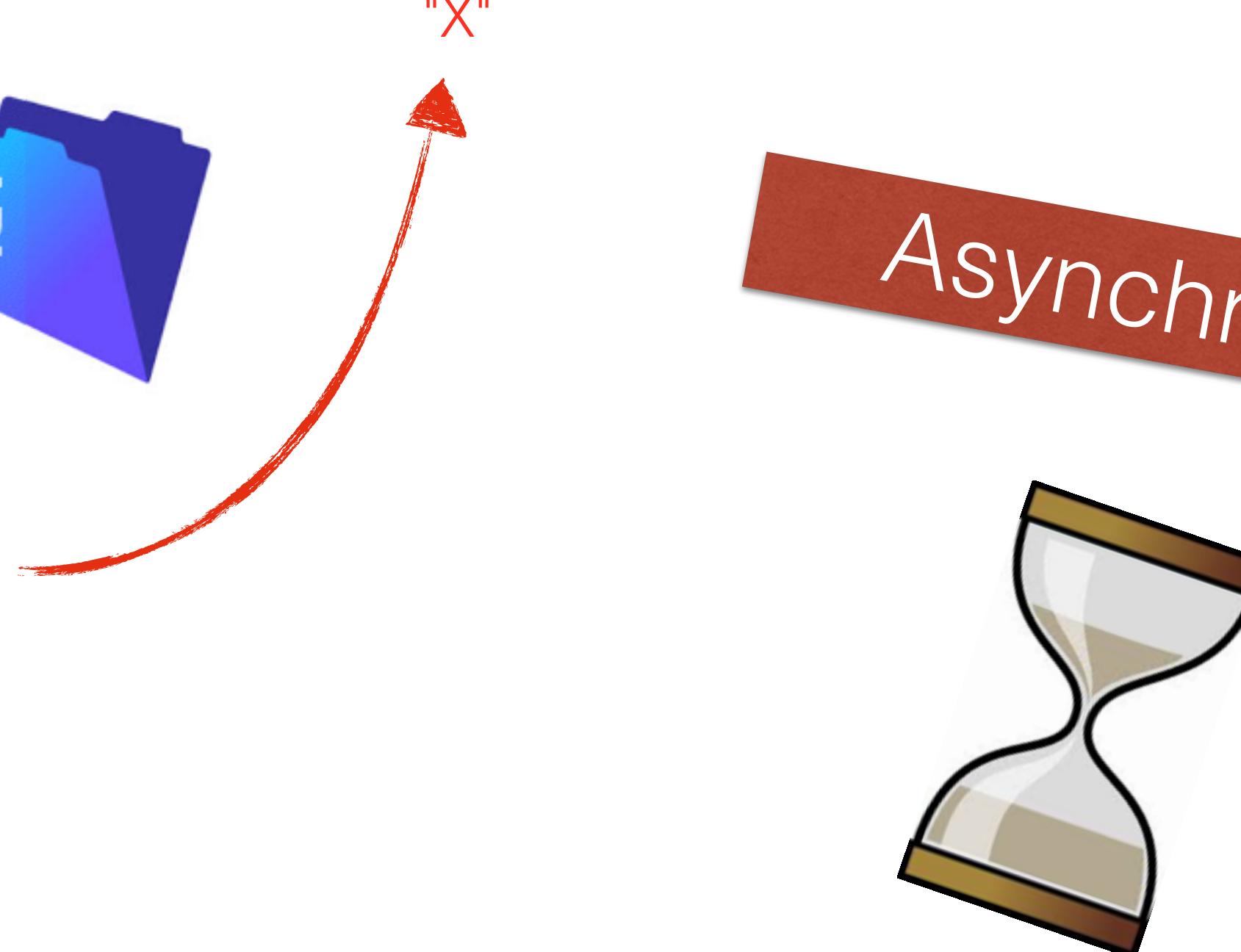
Perform Script "X"  
By Name ...

## Call Stack

```
MBS_DeveloperTools Init - fmSyntaxColorizer.fmp12
MBS_SetSyntaxColoringEnabledStatus - fmSyntaxColorizer.fmp12
MBS_SyntaxColoring( Action ) [CheckVariableDeclaration.Enable] - fmSyntaxColorizer.fmp12
Change Palette - fmSyntaxColorizer.fmp12
Colorize! - fmSyntaxColorizer.fmp12
(Button) Home - fmSyntaxColorizer.fmp12
```

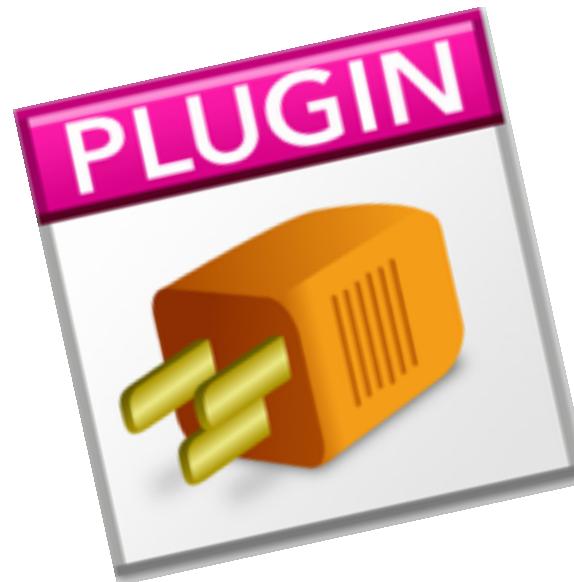
"X"

Asynchronous

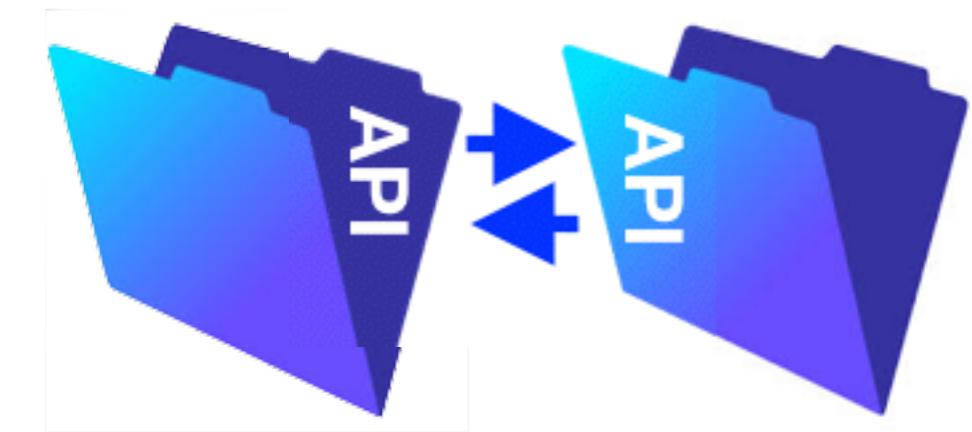


# What about an "FM ↔ FM API"?

3

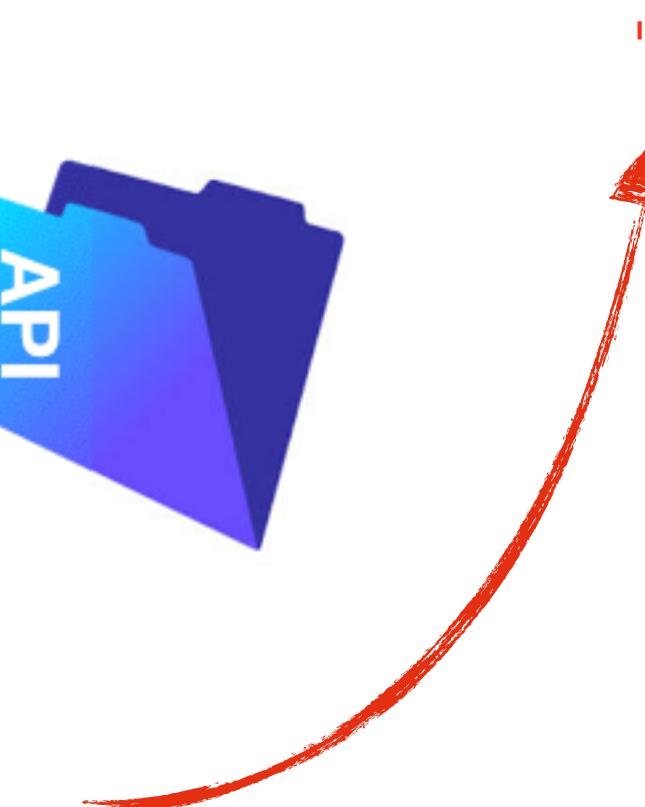


File A



Perform Script "X"  
By Name ...

Context lost



Asynchronous

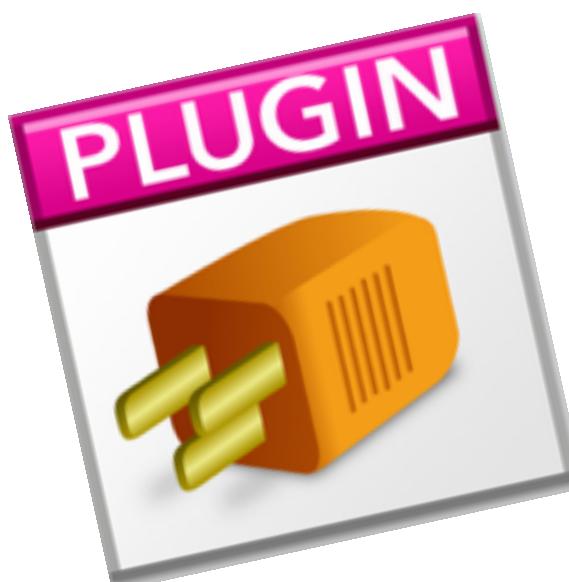


## Call Stack

```
MBS_DeveloperTools Init - fmSyntaxColorizer.fmp12
MBS_SetSyntaxColoringEnabledStatus - fmSyntaxColorizer.fmp12
MBS_SyntaxColoring( Action ) [CheckVariableDeclaration.Enable] - fmSyntaxColorizer.fmp12
Change Palette - fmSyntaxColorizer.fmp12
Colorize! - fmSyntaxColorizer.fmp12
(Button) Home - fmSyntaxColorizer.fmp12
```

# What about an "FM ↔ FM API"?

File A

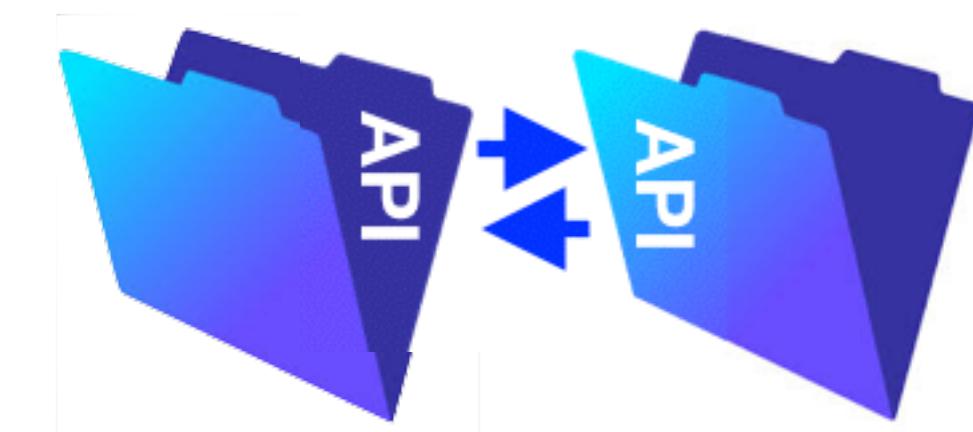


3

Perform Script "X"  
By Name ...

Context lost

NO ScriptResult!



## Call Stack

```
MBS_DeveloperTools Init - fmSyntaxColorizer.fmp12
MBS_SetSyntaxColoringEnabledStatus - fmSyntaxColorizer.fmp12
MBS_SyntaxColoring( Action ) [CheckVariableDeclaration.Enable] - fmSyntaxColorizer.fmp12
Change Palette - fmSyntaxColorizer.fmp12
Colorize! - fmSyntaxColorizer.fmp12
(Button) Home - fmSyntaxColorizer.fmp12
```

"X"

Asynchronous



# What about an "FM

3



File A

Context lost

NO ScriptResult!

```
SyntaxColorizer.fmp12
    ledStatus - fmSyntaxColorizer.fmp12
        ) [CheckVariableDeclaration.Enable] - fmSyntaxColorizer.fmp12
            colorizer.fmp12
                r.fmp12
                    olorizer.fmp12
```

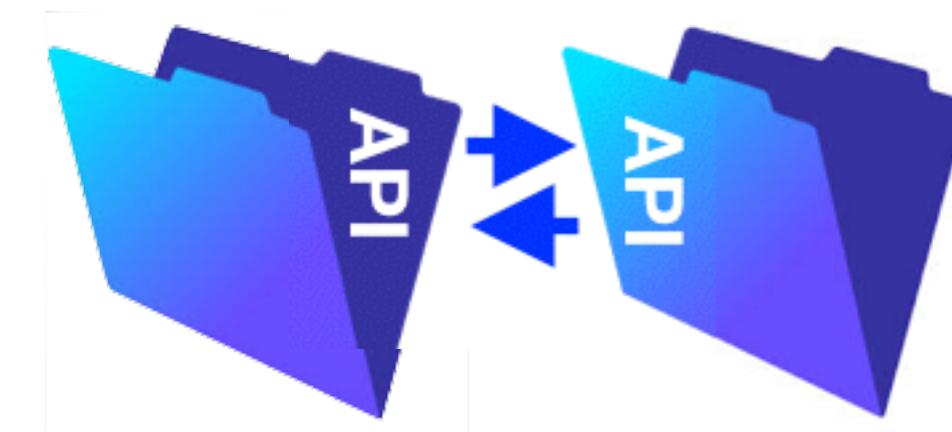
Asynchronous



What about an "FM ↔ FM API"?

File A

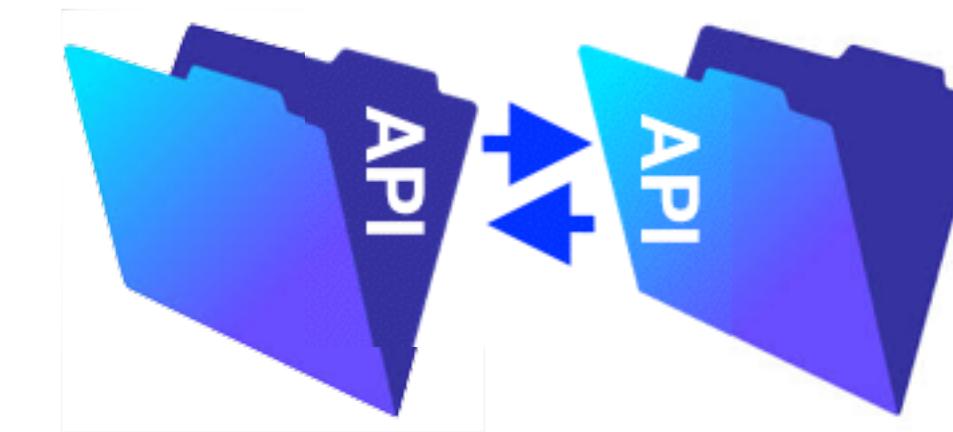
File B



What about an "FM ↔ FM API"?

File A

File B



4

fmpurl "X"

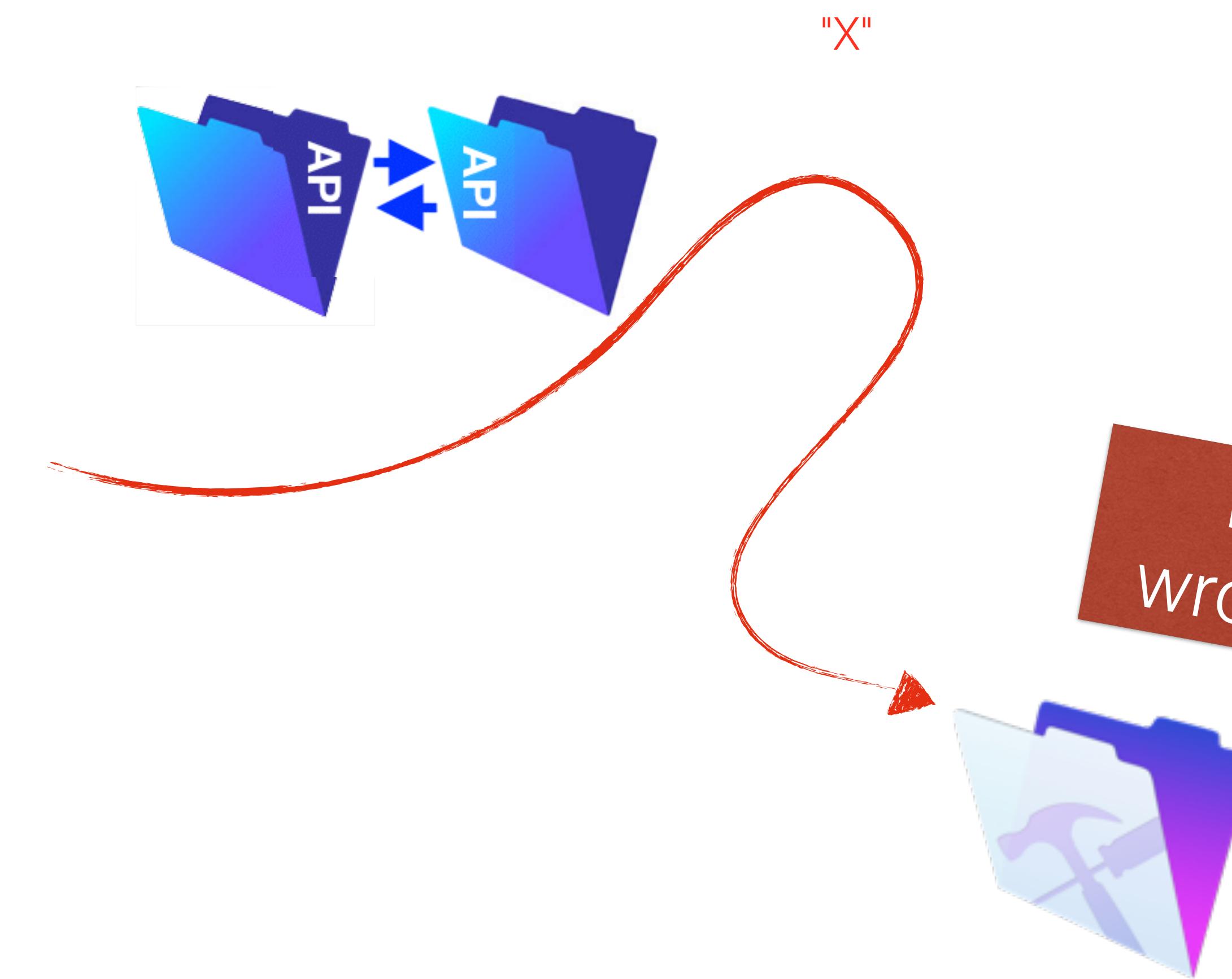
## What about an "FM ↔ FM API"?

File A

File B

4

fmpurl "X"



What about an "FM

File A

4

fmpu

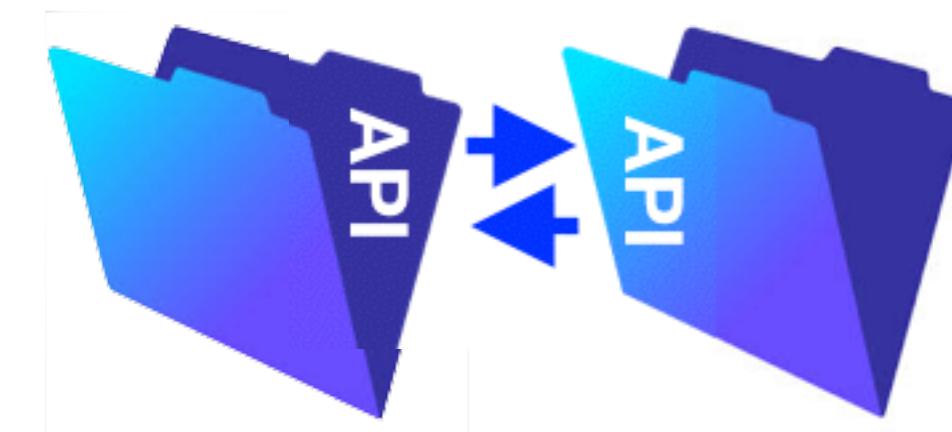


Performed in  
wrong FileMaker!

What about an "FM ↔ FM API"?

File A

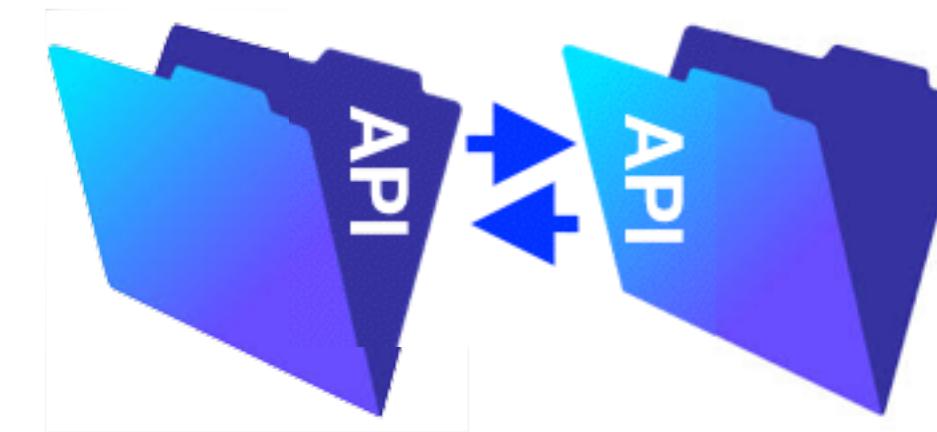
File B



What about an "FM ↔ FM API"?

File A

File B



5

via PHP / XML API -> via Server

What about another?

File A

File B

5

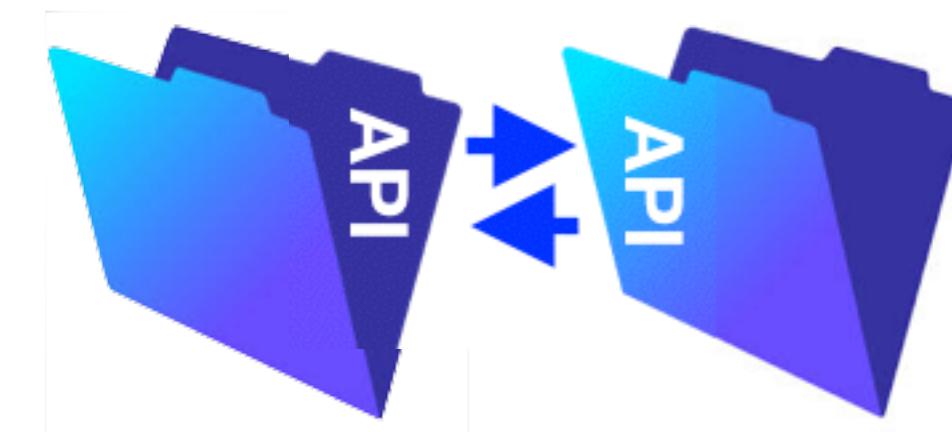
via



What about an "FM ↔ FM API"?

File A

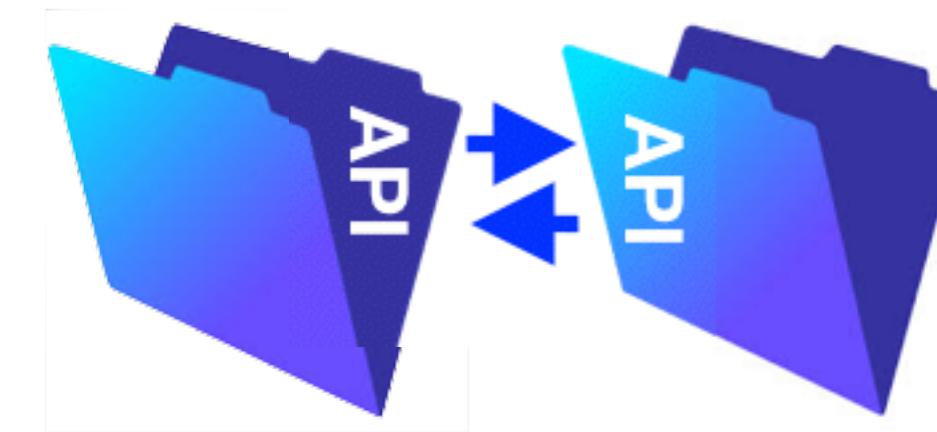
File B



What about an "FM ↔ FM API"?

File A

File B



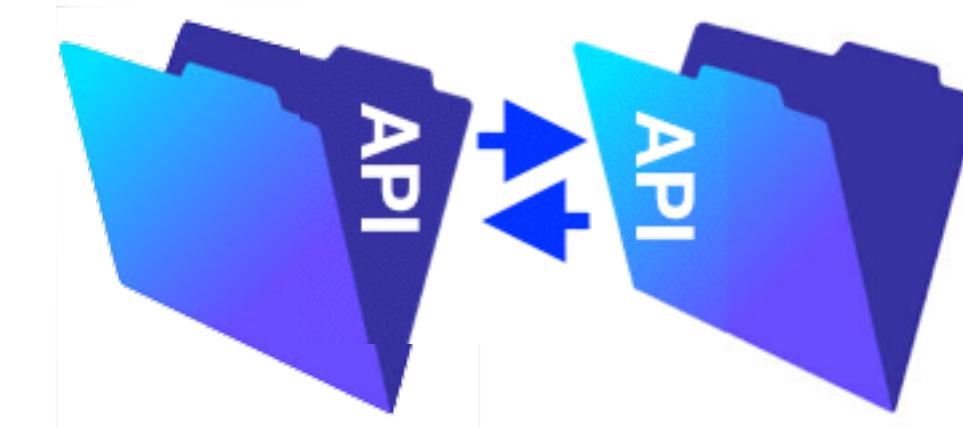
6

Perform Script [ By Name: ...

What about an "FM ↔ FM API"?

File A

File B



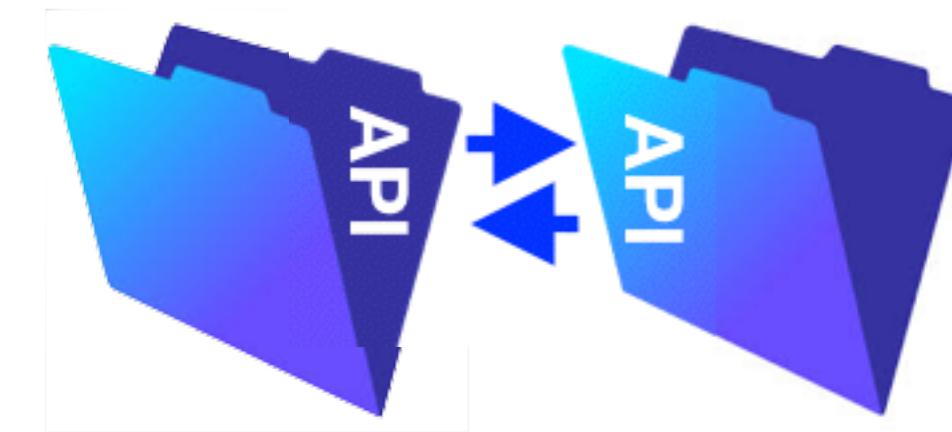
Discuss

6

Perform Script [ By Name: ...

## What about an "FM ↔ FM API"?

File A



File B

Discuss

6

Perform Script [ By Name: ...

Doesn't exist

What about an

File A

6

Per

Discuss

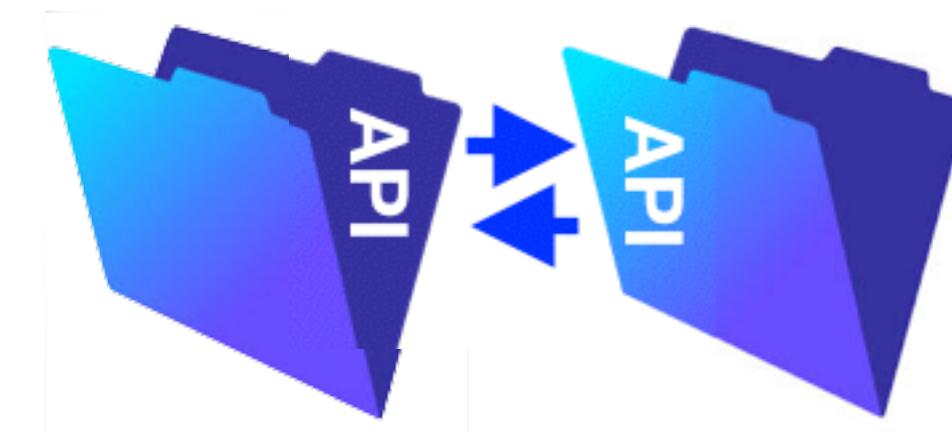
Doesn't exist

3

What about an "FM ↔ FM API"?

File A

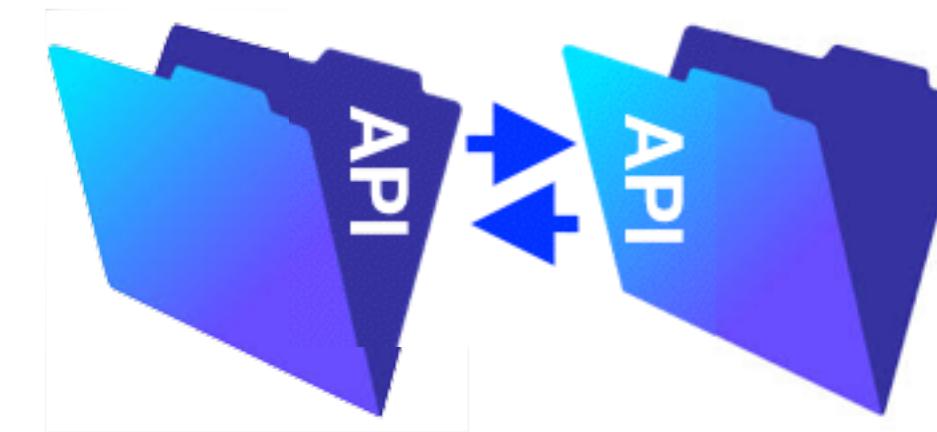
File B



What about an "FM ↔ FM API"?

File A

File B



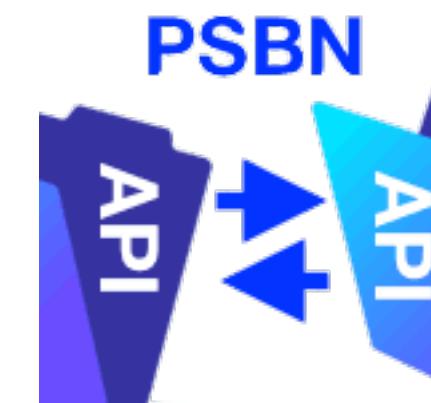
7

Perform Script [ "By Name": ...

What about an "FM ↔ FM API"?

File A

File B



7

Perform Script [ "By Name": ...

prototype  
A module from mrwatson-gbs



# DEMO



prototype  
A module from mrwatson-gbs



## NEXT STEPS

- ✓ Go vote for PSBN on the FileMaker community web site:

idea 1187: Perform Script [ by Name: ... ] - immediately + natively

Thank you