

CustomFunctions
are dead

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long live the
CustomFunction

What's wrong with CFs?

- Nothing, if you have ONE file and one customer

But...

- Multi-File use means multi-code use
- Updateability
- Versioning
- Comparability
- Breaks if parameter changes
- Debugging

Why use CF's

- Recursive functions

But...

- We got While()

```
While (  
[  
    // -----  
    // initial Setup  
    // -----  
    $variable = value;  
    $count    = value  
];  
    // -----  
    // proceed while true  
    // -----  
    $count > 0 ;  
[  
    // -----  
    // calculation in loop  
    // -----  
    $r      = claculationSyntaxOfWhatever  
    $count  = $count -1  
];  
    //=====  
    // final result  
    //=====  
    $r  
)
```

The new CustomFunction

- Globally available over many files of one installation

Tools to reach this goal:

ExecuteSQL() – Because relationships won't cut it!

The new CustomFunction

- Globally available over many files of one installation
- Readily readable and testable

Tools to reach this goal:

Code in a TextField – so it is not 5 clicks away

The new CustomFunction

- Globally available over many files of one installation
- Readily readable and testable
- Easy to compare and to update (if an error is fixed)

Tools to reach this goal:

The function should be accessible as text in a field so you can copy and paste.

The new CustomFunction

- Globally available over many files of one installation
- Readily readable and testable
- Easy to compare and to update (if an error is fixed)
- Downward compatible (Parameter string)

Tools to reach this goal:

Parameters in a JSON sting – so if you put one more in, the old function calls are still valid

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Let's make the leap