

Conditional Formatting in Excel exports from FileMaker

For [MBS FileMaker Plugin](#) 14.2 we include new [XL](#) functions to create conditional formatting in an Excel file created in a script. While you can always load an existing document with conditional formatting or diagrams and just fill the cells with data, we now can create the rules for conditional formatting in a script. Let us show you four examples from our example file.

Highlighting cells that begin With the given Text

This example defines a conditional format with a bold font. The conditional formatting is applied for the cells in the range B3:B11 to highlight all cells that begin with 'a'. The [XL.ConditionalFormatting.AddRule](#) function allows you to define rules with various conditions like to highlight empty cells, duplicate or unique values, values starting or ending with a value or by an expression.

	Poltava		
	Athens		
	Thessaloniki		
	Kalamata		
	Amsterdam		
	Alexandroupolis		
	Kyiv		
	London		
	New York		

```
Set Variable [ $cFormat ; Value:
MBS("XL.Book.AddConditionalFormat"; $book) ]
#
# set font to be folder
Set Variable [ $font ; Value: MBS("XL.ConditionalFormat.Font"; $book; $cFormat) ]
Set Variable [ $r ; Value: MBS("XL.Font.SetBold"; $book; $font; 1) ]
#
Set Variable [ $cf ; Value: MBS("XL.Sheet.addConditionalFormatting"; $book;
$sheet) ]
Set Variable [ $r ; Value: MBS("XL.ConditionalFormatting.AddRange"; $book; $cf;
2; 10; 1; 1) ]
Set Variable [ $r ; Value: MBS("XL.ConditionalFormatting.AddRule"; $book; $cf; 0 /
* BeginWith */; $cFormat; "a") ]
```

Creating a gradated Color scale on the cells

This example creates a gradated color scale for the range C4:C11. All cells within the range have values and these are read as percentages and applied to the color range from yellow to red. We can use two colors with [XL.ConditionalFormatting.Add2ColorScaleRule](#) or 3 colors with [XL.ConditionalFormatting.Add3ColorScaleFormulaRule](#), e.g. with a middle color.

Country	Road injures
USA	64
UK	94
Switzerland	88
Spain	93
Italy	86
London	75
Greece	67
Japan	91

add conditional format to color cells based on value

```
Set Variable [ $cf ; Value: MBS("XL.Sheet.addConditionalFormatting"; $book; $sheet) ]
```

```
Set Variable [ $r ; Value: MBS("XL.ConditionalFormatting.AddRange"; $book; $cf; 3; 10; 2; 2) ]
```

```
Set Variable [ $r ; Value: MBS("XL.ConditionalFormatting.Add2ColorScaleRule"; $book; $cf; MBS("XL.Color.Pack"; $book; 255; 133; 40 ); MBS("XL.Color.Pack"; $book; 255; 239; 156 )) ]
```

Highlighting cells that more than the specified value

This example highlights cells whose values are greater than the specified value (90) with the light green background in the range C4:C11. It's possible to use any operator from the list in the documentation like comparators or text operations like contains or begins/ends with.

Country	Road injures
USA	64
UK	94
Switzerland	88
Spain	93
Italy	86
London	75
Greece	67
Japan	91

```
Set Variable [ $cFormat ; Value: MBS("XL.Book.AddConditionalFormat"; $book) ]
```

```
Set Variable [ $r ; Value: MBS("XL.ConditionalFormat.SetFillPattern"; $book; $cFormat; 1 /* solid */) ]
```

```
Set Variable [ $r ; Value: MBS("XL.ConditionalFormat.SetPatternBackgroundColor"; $book; $cFormat; 42 /* light green */) ]
```

#

add conditional format to color cells based on value

```
Set Variable [ $cf ; Value: MBS("XL.Sheet.addConditionalFormatting"; $book; $sheet) ]
```

```
Set Variable [ $r ; Value: MBS("XL.ConditionalFormatting.AddRange"; $book; $cf; 3; 10; 2; 2) ]
```

```
Set Variable [ $r ; Value: MBS("XL.ConditionalFormatting.AddOpNumRule"; $book; $cf; 5 /* GreaterThan */; $cFormat; 90) ]
```

Highlighting alternating rows

This example highlights alternating rows (banded rows) and makes the data in a worksheet easier to scan. It's possible to do this with the formula expression `"=MOD(ROW(),2)=0"` in a conditional formatting rule. If you prefer alternate columns, please use this formula: `"=MOD(COLUMN(),2)=0"`. As you notice the formula should return a boolean for whether the rule applies or not and can reference Column and Row functions. You can use a formula like `"=MOD(COLUMN() + ROW(); 2) = 0"` to get the checkmate pattern. All formulas must always be typed in English as they get parsed and stored as tokens. When the user reads them, they may see them in a different language.

```
Set Variable [ $cFormat ; Value: MBS("XL.Book.AddConditionalFormat"; $book) ]
```

```
Set Variable [ $r ; Value: MBS("XL.ConditionalFormat.SetFillPattern"; $book;  
$cFormat; 1 /* solid */) ]
```

```
Set Variable [ $r ; Value:
```

```
MBS("XL.ConditionalFormat.SetPatternBackgroundColor"; $book; $cFormat;
```

```
MBS("XL.Color.Pack"; $book; 240; 240; 240)) ]
```

```
#
```

```
Set Variable [ $cf ; Value: MBS("XL.Sheet.addConditionalFormatting"; $book;  
$sheet) ]
```

```
Set Variable [ $r ; Value: MBS("XL.ConditionalFormating.AddRange"; $book; $cf;  
4; 20; 1; 10) ]
```

```
Set Variable [ $r ; Value: MBS("XL.ConditionalFormating.AddRule"; $book; $cf; 6 /  
* Expression */; $cFormat; "=MOD(ROW(),2)=0") ]
```

	5	6	7	8	9	10	11	12	13	
	6	7	8	9	10	11	12	13	14	
	7	8	9	10	11	12	13	14	15	
	8	9	10	11	12	13	14	15	16	
	9	10	11	12	13	14	15	16	17	
	10	11	12	13	14	15	16	17	18	
	11	12	13	14	15	16	17	18	19	
	12	13	14	15	16	17	18	19	20	
	13	14	15	16	17	18	19	20	21	
	14	15	16	17	18	19	20	21	22	
	15	16	17	18	19	20	21	22	23	
	16	17	18	19	20	21	22	23	24	
	17	18	19	20	21	22	23	24	25	
	18	19	20	21	22	23	24	25	26	
	19	20	21	22	23	24	25	26	27	
	20	21	22	23	24	25	26	27	28	

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