

CPC Update - Version 2016.2.15

This topic sheet explains the updates made to CPC on February 15, 2016.

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Scripting engine

The following changes have been made to the scripting engine.

GetChild function

This function has been changed to return a nullstring (ie. "") if the requested function does not result in a valid object.

PropertyByPath function can change object names

This function has been enhanced to allow a change of the "Name" property of an object. *Only qualified CPC script programmers should use this function to change object names.*

SetChildProp function can change object names

This function has been enhanced to allow a change of the "Name" property of a child object. It has also been enhanced to allow the property value to be either a property name (ie. "Enabled") or property index (ie. 2). *Only qualified CPC script programmers should use this function to change object names.*

New "SortChildren" function

This function will sort the children of an object by Name. Note: *In cases where Input and Output objects are sorted, the sort order can be manipulated by entering an alternate name in the SortName property.*

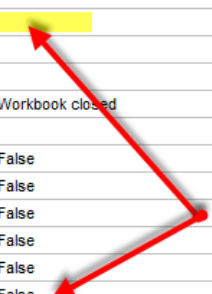
Excel object

The following changes have been made.

ReadCell method

This ReadCell method has been corrected so that it updates the ReadText property rather than the WriteText property.

WriteText	
ReadText	
TimeInterval	
TimeElapsed	
Status	Workbook closed
LastTime	
Calculate	False
Open	False
Save	False
Close	False
WriteCell	False
ReadCell	False



Input object

The following changes have been made.

New “SortName” property

This property defines the alternate name to be used when sorting child objects in the Object Editor. This property can be set so that the input is forced to sort in a specific order. This is useful for inputs that utilize IO_In_Special statistics such as HITC, LOTC, AVGTC, HIPRB, LOPRB, and similar statistical inputs. Due to the scanning sequencing, these statistical inputs should always be placed after the inputs that they are evaluating.

“Output_” objects

The following changes have been made to all objects starting with “Output_”.

New “SortName” property

This property defines the alternate name to be used when sorting child objects in the Object Editor. This property can be set so that the output is forced to sort in a specific order. This is useful for outputs such as Enables and PID control outputs that you might want to group together.

Screen_DBGrid icon

The following changes have been made.

New “HighlightedField” property

This property is used to identify the column that will be highlighted Green when the operator clicks the row. If blank, the column highlighted will match the current setting for the SelectValueColumn.

Screen_Grid icon

The following changes have been made.

New “SingleObjectMode” property

This property can be set to True to switch the grid to view a single object rather than displaying child values of the targeted parent. This new property can be used with the DynamicSource property to allow the view and editing of specific inputs, outputs, and other children.

New “LastEditedObject” and “LastEditedProperty” properties

These properties are updated to the screen icon object when an edit occurs. It will show the name of the object and name of the property that is being changed. These properties can be used in the new “AfterEdit” quick-script. In the script, you can use Me\LastEditedObject and Me\LastEditedProperty to query these properties.

New “AfterEdit” script property

This quick-script executes after each editing operation. In the script you can utilize LastEditedObject and LastEditedProperty to find out what row and column was edited.