

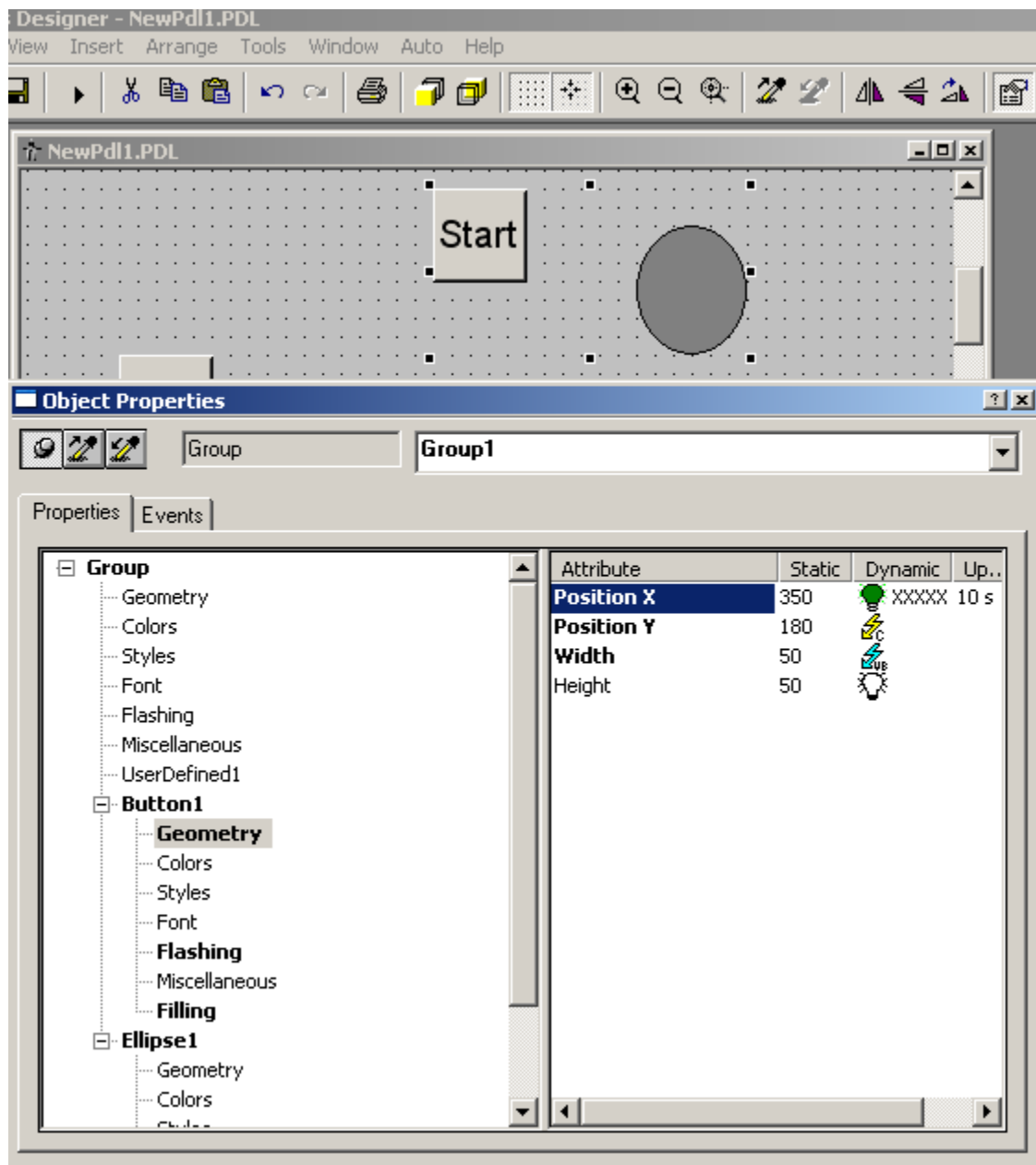
Wincc Auto Addin Functions Description.

alex@paperspec.com.au

1. Duplicate

The main use for the function is to make an object template with desirable dynamic properties or events linked to the placeholder tag "XXXXX" then duplicate the object and generate tags automatically. The function first copies and pastes selected objects on the active document, then the function finds all references in all dynamic property or event scripts for the placeholder "XXXXX" replacing it with automatically generated tags in the format DocumentName_ObjectName_ev/pr(event or property)_property(if it is property event)_event.

For example for the group object with multiple properties and events like on the picture below

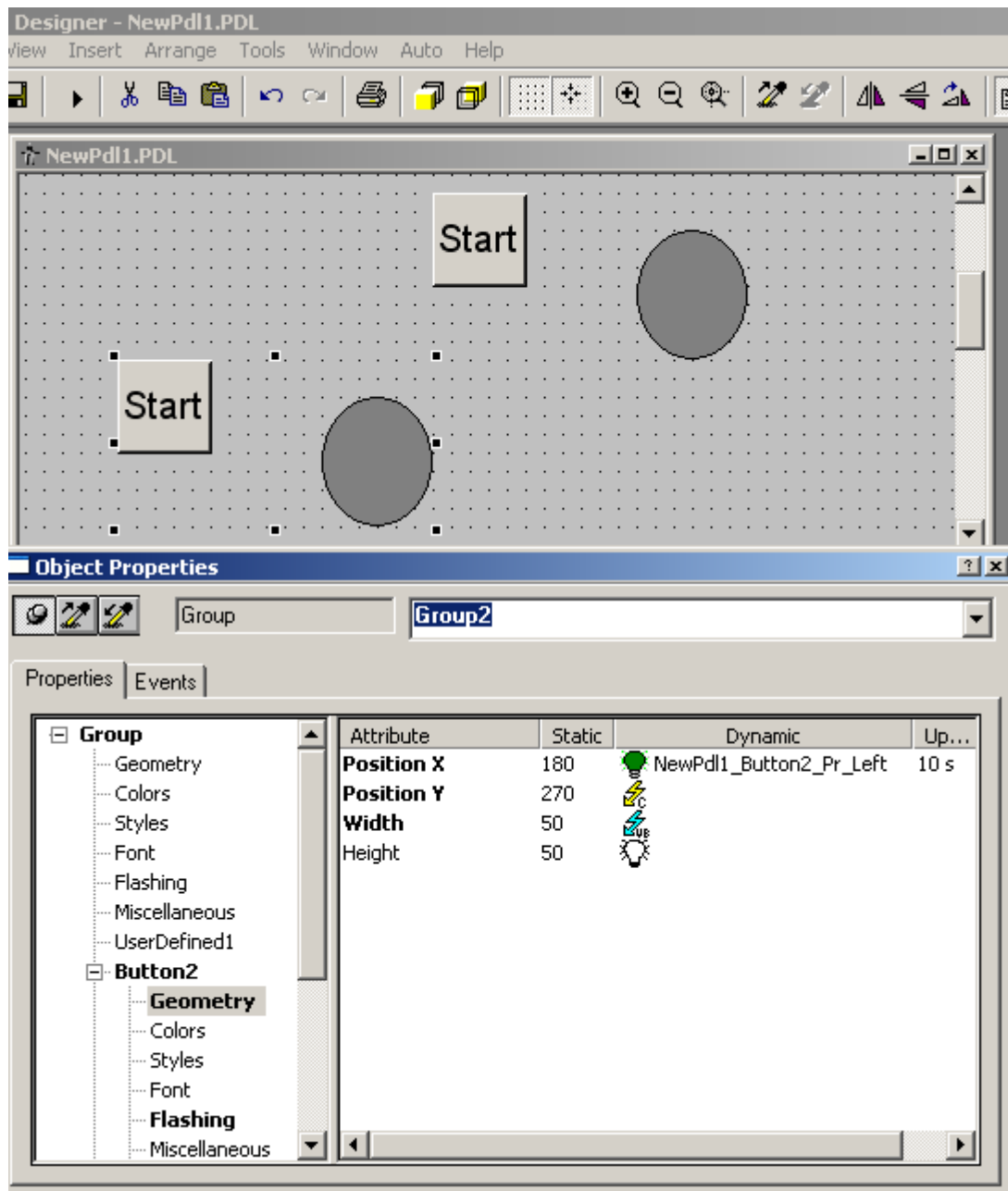


All references to the placeholder tag “XXXXX” are replaced with automatically generated internal raw tags.

Name	Type	Parameters
@DeltaLoaded	Unsigned 32-bit value	
@LocalMachineName	Text tag 8-bit character set	
@ConnectedRTClients	Unsigned 16-bit value	
@RedundantServerState	Unsigned 16-bit value	
@DatasourceNameRT	Text tag 16-bit character set	
@ServerName	Text tag 16-bit character set	
@CurrentUserName	Text tag 16-bit character set	
xxxxx	Raw Data Type	
NewPdl1_Ellipse2_Pr_Filling	Raw Data Type	
NewPdl1_Ellipse2_Ev_OnClick	Raw Data Type	
NewPdl1_Group2_Ev_OnClick	Raw Data Type	
NewPdl1_Button2_Pr_Left	Raw Data Type	
NewPdl1_Button2_Pr_Top	Raw Data Type	
NewPdl1_Button2_Pr_Width	Raw Data Type	
NewPdl1_Button2_Pr_BorderFlashColor	Raw Data Type	
NewPdl1_Button2_Ev_FlashBorderColor_OnPropertyChanged	Raw Data Type	
NewPdl1_Button2_Ev_BorderFlashColorOff_OnPropertyChanged	Raw Data Type	
NewPdl1_Button2_Pr_BorderFlashColorOn	Raw Data Type	
NewPdl1_Button2_Pr_Filling	Raw Data Type	
NewPdl1_Button2_Ev_OnClick	Raw Data Type	
NewPdl1_Button2_Ev_OnLButtonDown	Raw Data Type	
NewPdl1_Button2_Ev_OnKeyDown	Raw Data Type	
NewPdl1_Button2_Ev_OnSetFocus	Raw Data Type	

External Tags: 2 / License: 153600

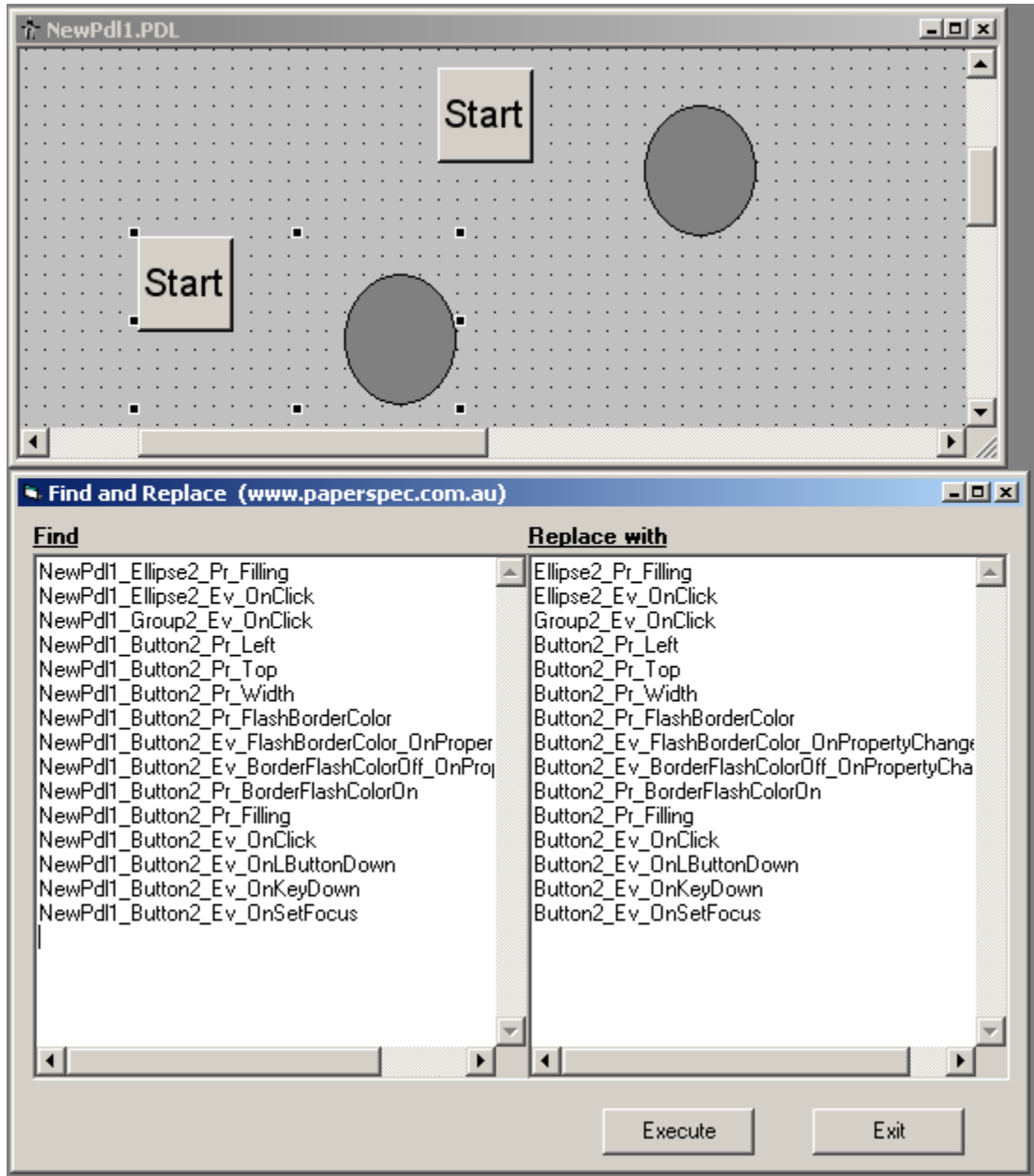
The function is recursive and goes through all grouped objects. Note that object names changed from say Button1 to Button2 automatically. This is Wincc copy and paste inbuilt functionality. The picture below shows the result.



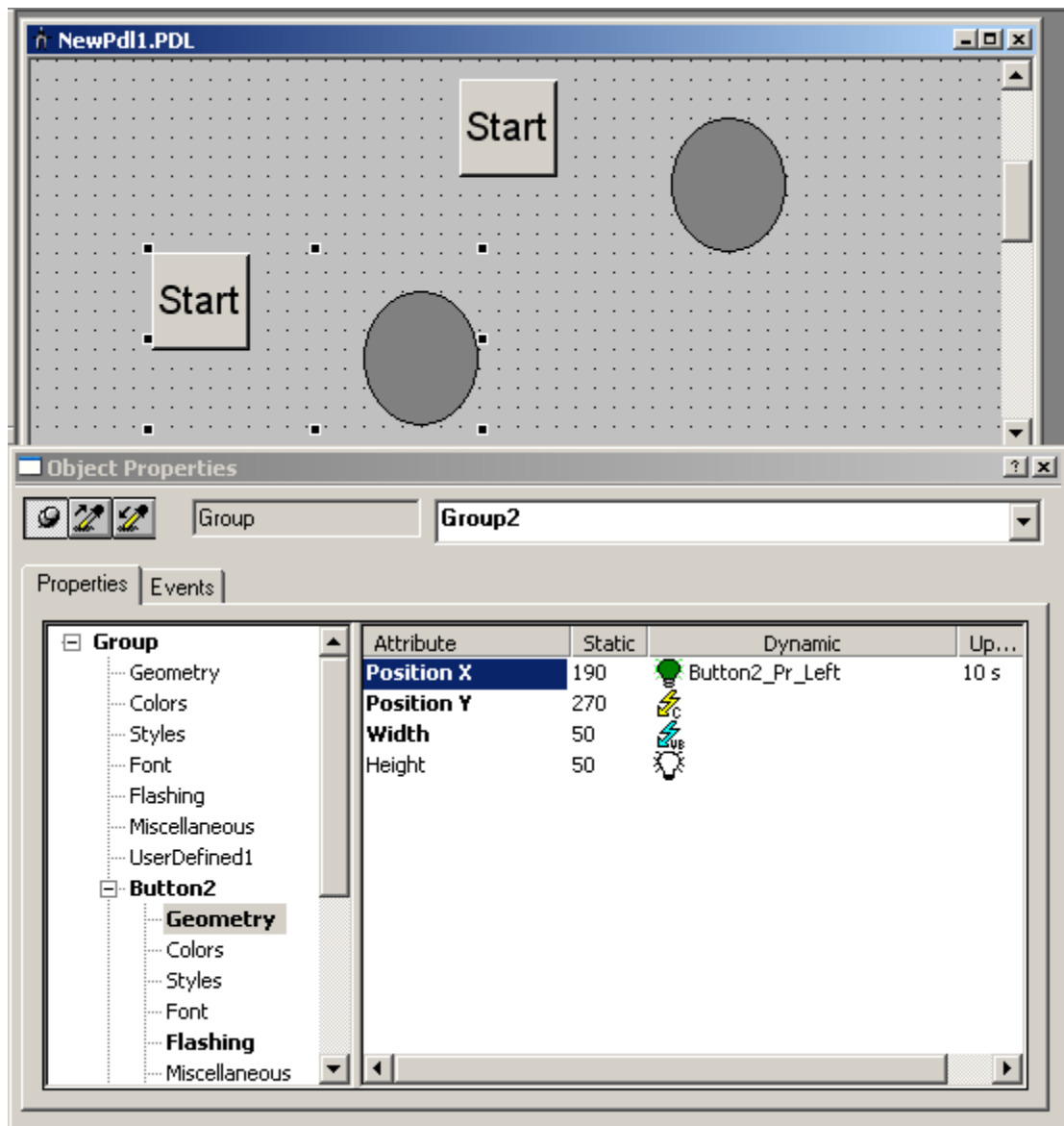
The new generated tags type and connections can be easily edited using standard tag export/import tool. " If the tags naming is not acceptable then "replace" function can be used.

2. Replace

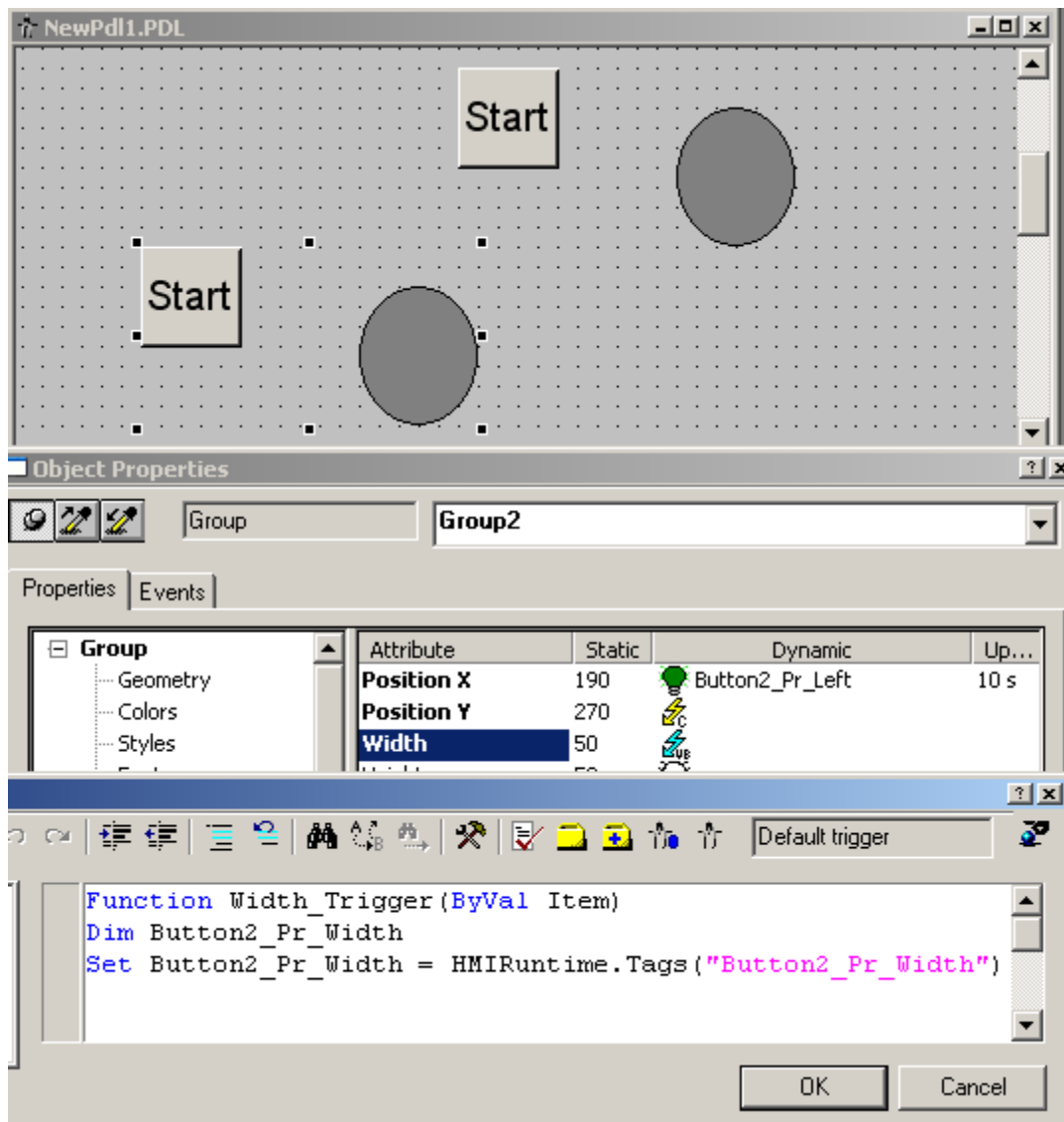
This function is used to replace a list of strings with other list of strings in the current active document object events and dynamic properties. Particular this function can be used for tags renaming. Normally when tag's name is changed it requires manually editing all dynamic properties and events where the tag is used. This function automates the task. For example in case below shows tags replacement – (remove NewPd1_)



The result is below



or



The auto.dll needs to be registered:
 Put auto.dll into WINCC directory and run from command line
 Regsvr32 "C:\Program Files\Siemens\WINCC\auto.dll"