

Universal Function

How to build an Universal Function with beas Usability Extension

TABLE OF CONTENTS

1. INTRODUCTION.....	3
2. PROCESS	3
2.1. Header	5
2.2. Detailed	6

1. INTRODUCTION

This document describes the procedure to build a *Universal Function* on *beas* screen with *beas Usability Extension*.

To use the Universal Function:

- B1UP version must be installed: 2018.05 or later
- *Beas* version must be installed: 9.3 PLo0 or later

2. PROCESS

This document will walk the user through defining and executing a Universal Function in a shortcut button. For more information about button creation, please refer to *Managing Buttons in beas* tutorial.

PATH for Universal Functions that apply to a button: Open the screen to create the button or where the customized button already exists > Right click in the screen > Go to the *beas Usability Extension* menu (Fourth icon from left to right) > Select *Add Function Buttons* (if there is no button created) or select *Edit Function Buttons* (if there are buttons created)

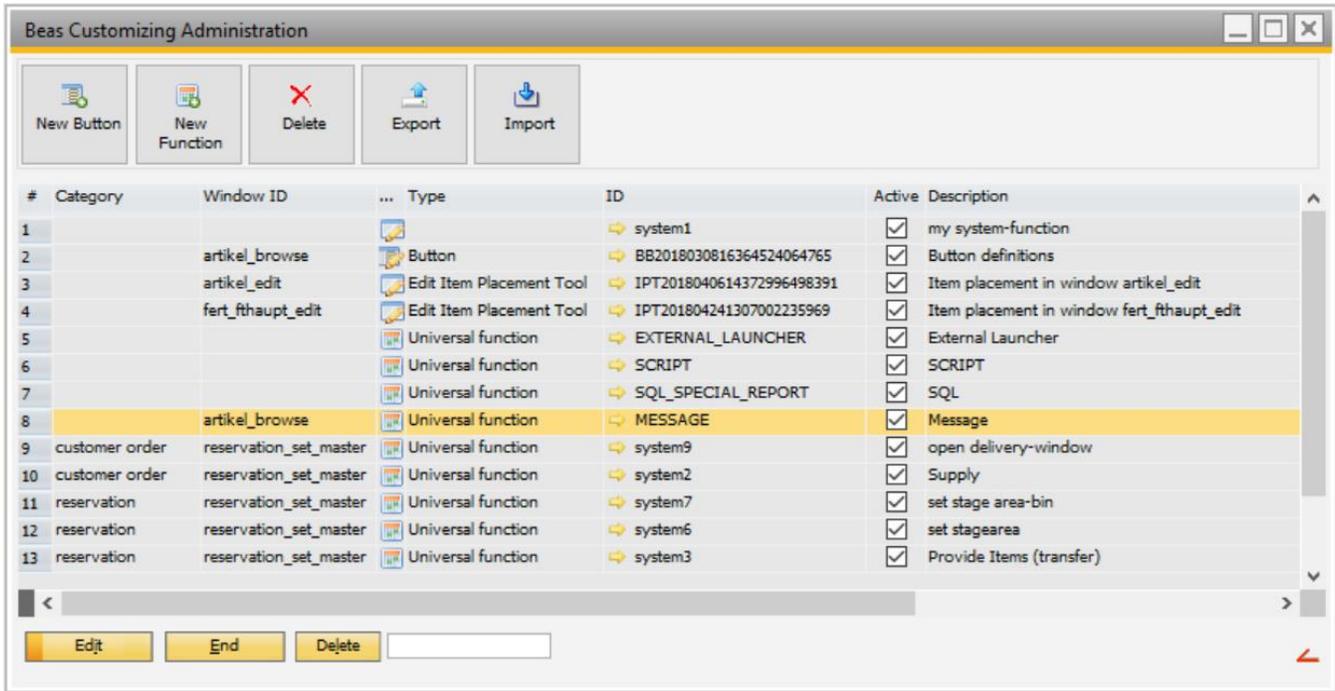


#	Item number	Description	Group	Locked	Inventory	Reserved	Ordered UoM	Primary Warehous
1	FG001	Finished Good 01 - Storage Related	Items	<input type="checkbox"/>	20	355	0 Piece	FG
2	FG002	Finished Good 02 - Order Related	Items	<input type="checkbox"/>	1	5	0 Piece	EG
3	FG003	Finished Good 03 - Product Configurati	Items	<input type="checkbox"/>	0	0		
4	merge	merge	Items	<input type="checkbox"/>	0.000	0.000		
5	OO	Outside operation cost	Items	<input type="checkbox"/>	0.000	0.000		
6	PK001	Package Item 01	Items	<input type="checkbox"/>	0	0		
7	PK002	Package Item 02	Items	<input type="checkbox"/>	0.00	0.00	0.00 MF	01

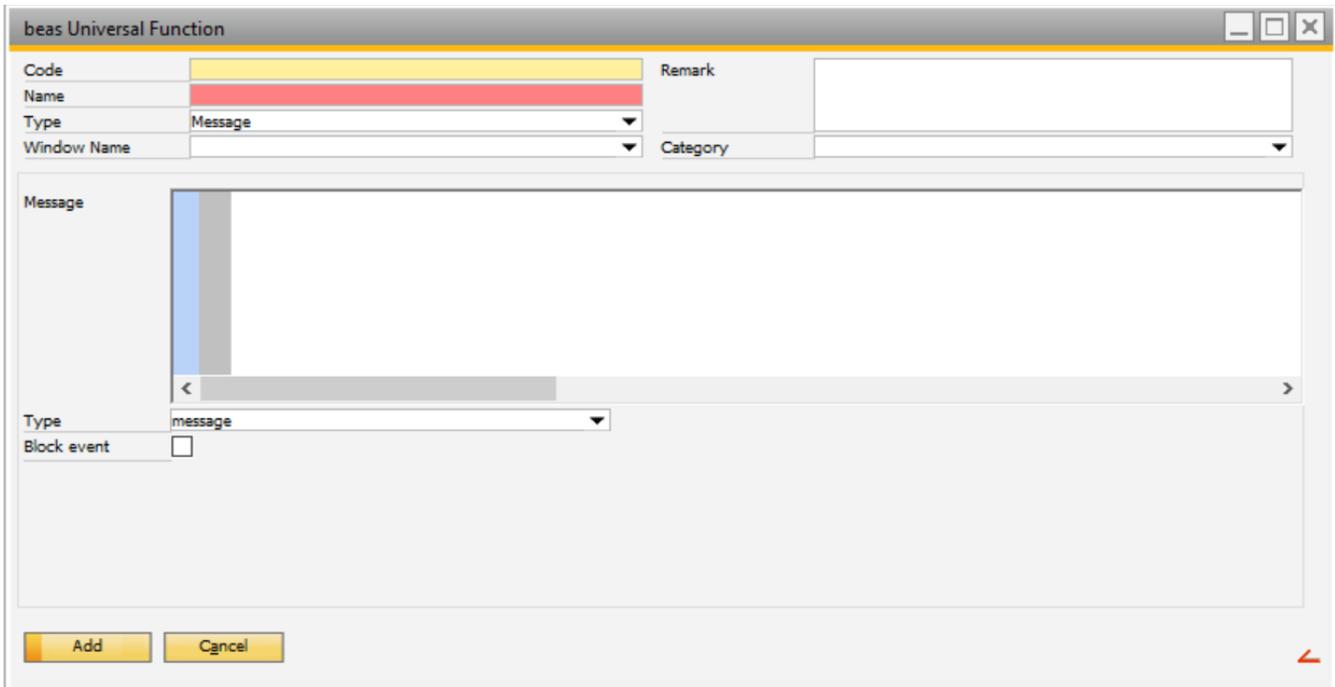
PATH for Universal Functions that apply to any window: Administration > Add-on > B1 Usability Package > Module Configuration > *beas Usability Extension*

IMPORTANT: The *beas* screen used in the function must be opened in the background in order for *beas* to automatically set the window name in the Universal Function. Otherwise the user must type it manually.

The reason *beas* does not have a dropdown list is that it has a large amount of screens. If there is a Universal Function which is not screen related, there is the option for the *Window Name* called "Any Window" and no screen should be opened in the background.



To create a new function, please click in *New Function* button. A new screen will be displayed.

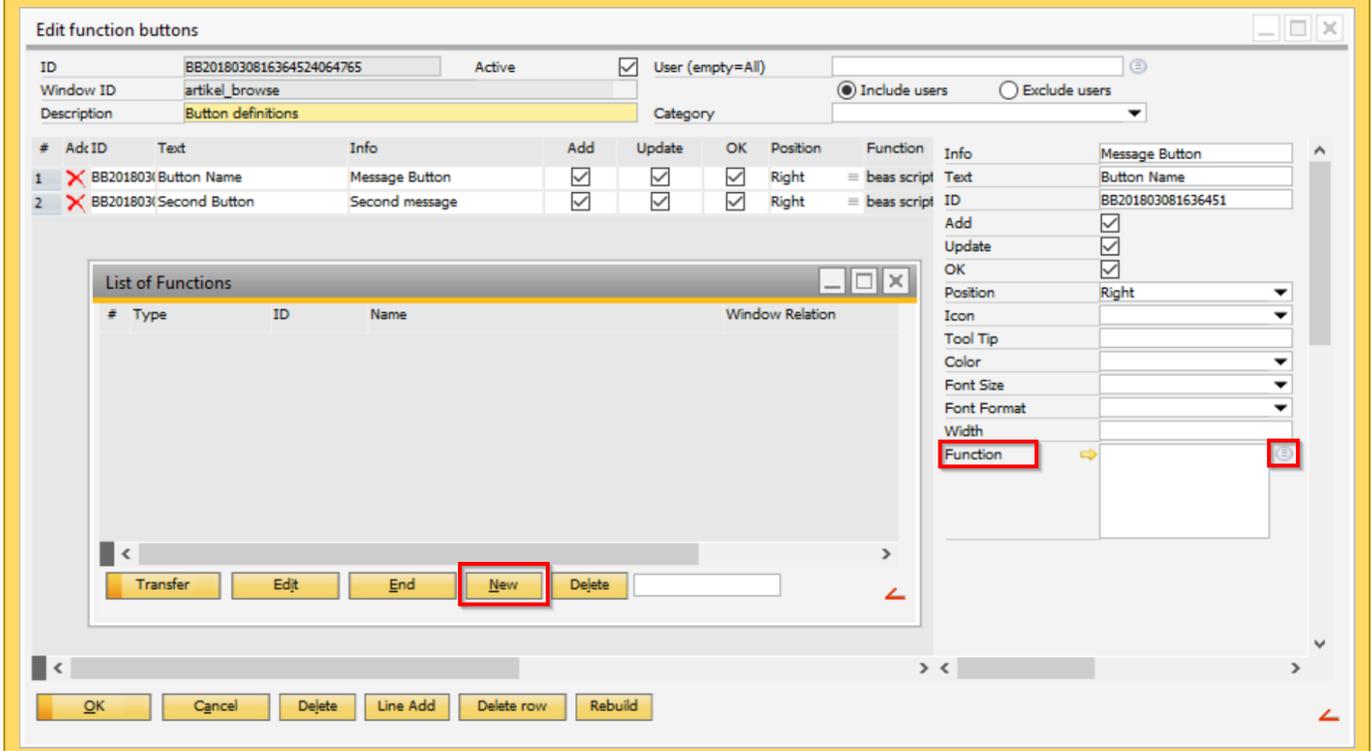


Here, beas allows to:

Add: Button used to save the configuration of the universal function. This button has the same use as in SAP Business One.

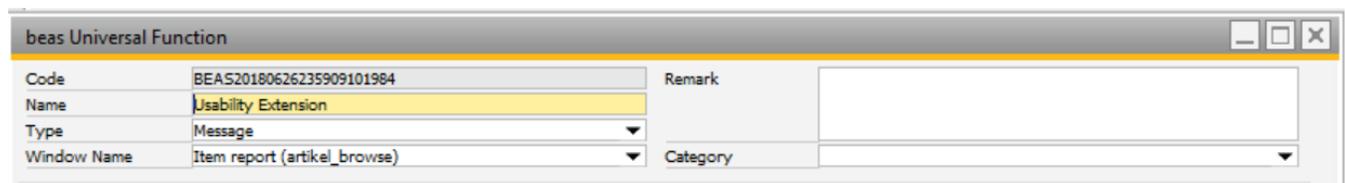
Cancel: Button used to exit the screen without saving. This button has the same use as in SAP Business One. This button has the same use as in SAP Business One.

IMPORTANT: There is an access directly from the *Edit Function Button* screen, to create a function. Just click in burger icon right to the *Function* field and a new screen will open. Click *New*.



2.1. Header

In the Header, a name and specific information for this function need to be included.



Code: This is unique value. beas will automatically assign a code once the user clicks the *Add* button. We recommend using the code assigned by beas.

Name: Field used to define a name for the function.

Type: Field used to define the function type. There are 4 options:

- SQL Report
- Script
- Message
- External Launcher

Window Name: Field used to specify the window where the function is available . This will be filled in automatically when creating the Universal Function with a right click in a beas screen.

IMPORTANT: This field appears empty, if the user creates the Universal Function from the *beas Customizing Administration* functionality.

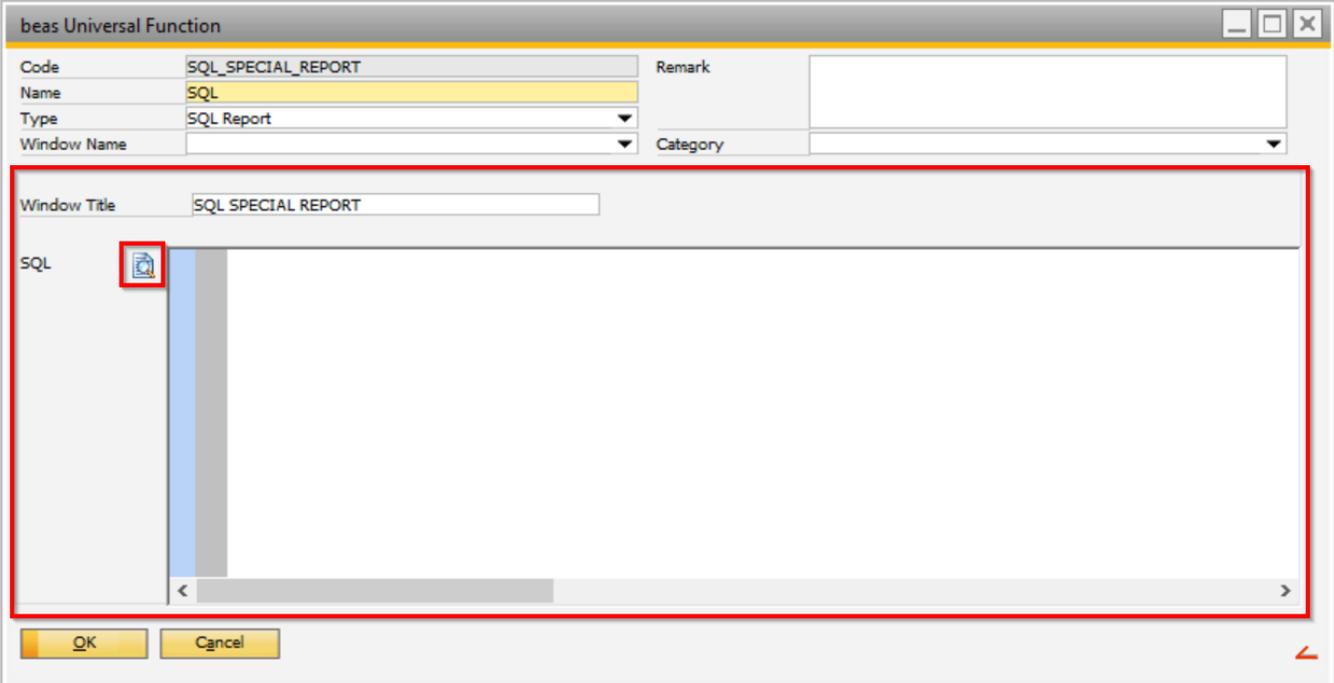
Remark: Field used to include a short description about the function.

Category: Field used to set a category defined in B1UP. Configuration groups can also be defined here.

2.2. Detailed

This part of the screen will change depending on the *Type* selected.

SQL report:



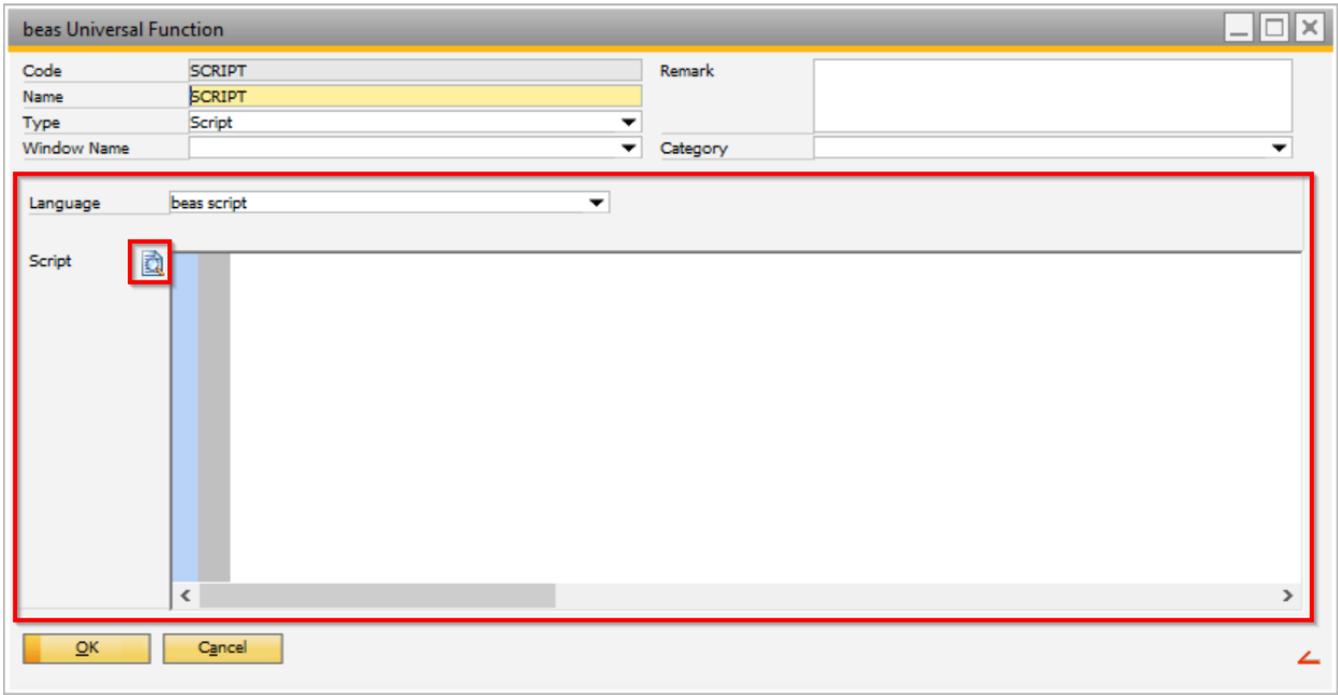
The screenshot shows a dialog box titled "beas Universal Function". It contains the following fields and controls:

- Code:** SQL_SPECIAL_REPORT
- Name:** SQL
- Type:** SQL Report
- Window Name:** (empty)
- Remark:** (empty)
- Category:** (empty)
- Window Title:** SQL SPECIAL REPORT
- SQL:** A large text area for entering SQL code, with a small icon button next to it highlighted by a red box.
- Buttons:** OK and Cancel at the bottom.

Window Title: Field used to add a description for the report.

SQL: Field used to add the SQL report to be executed once the function is used. To create a SQL report, just click in the *SQL Editor* button, and a new wizard screen is displayed. There is a tool that converts SQL code to HANA code only, not the other way around.

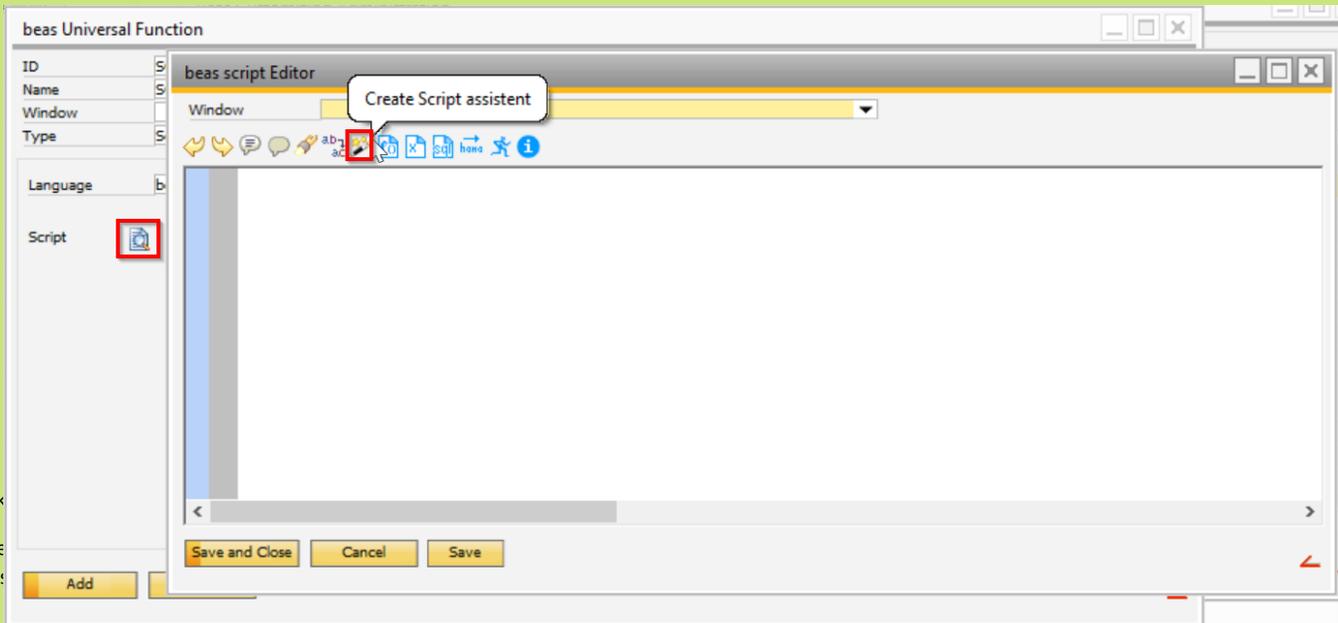
Scripts:



Language: Field used to the language the script will be written. At this moment, only "beas script" is available.

Script: Field used to add the script that will be execute once this function is used.

For script wizard, click in the beas Script Editor icon. A new screen is opened.



Click
In the
Assis

Message:

The screenshot shows a dialog box titled "beas Universal Function". It contains several input fields: "Code" (MESSAGE), "Name" (Message), "Type" (Message), "Window Name" (artikel_browse), "Remark" (empty), and "Category" (empty). A large text area labeled "Message" contains the text "This is a test". Below this text area is a "Type" dropdown menu set to "messagebox" and a "Block event" checkbox which is unchecked. At the bottom are "OK" and "Cancel" buttons.

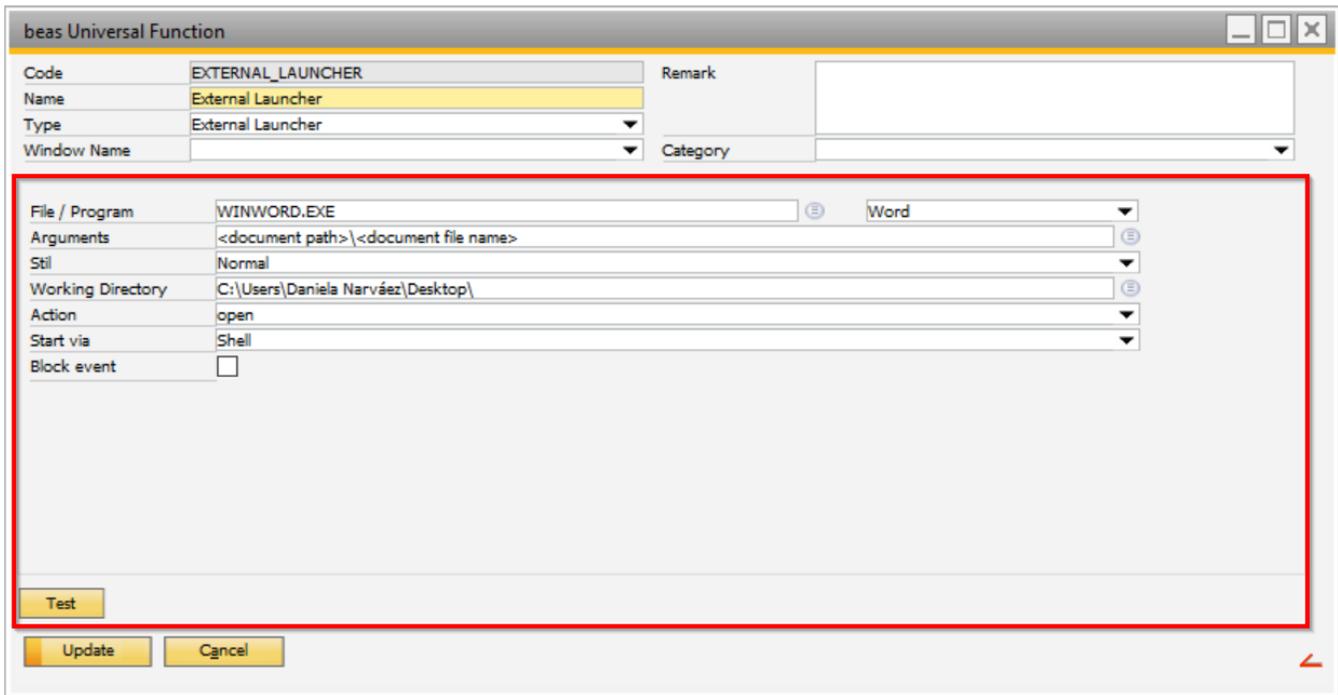
Message: Field used to add the text to be shown in the message pop-up screen.

Type: Field used to set the type of message to be displayed. The options are:

- Message box
- Status bar Success
- Status bar Warning
- Status bar Error
- Question

Block Event: Field used to set if the event should be blocked and cannot be executed. This is very useful when validating data. For more information, please refer to the Validation System tutorial.

External Launcher:



File/Program: Field used to set the predefined file or program path. Beas will specify the file program in this field

For example, a *word* file will be used. The user must select the path where the *word* file is located (server or local) and the type of document used. (in this case, a Word document) The program will be added in this field automatically.



Arguments: Field used to define the arguments the user would like to run the program in.

Style: Field used to set how the screen will open. The options are:

- Normal
- Minimized
- Maximized
- Hidden

Working Directory: Field used to specify the path where the file is located. This is automatically filled by beas once the user selects the file.

Action: Field used to set an action. Options are:

- No
- Edit
- Explore
- Find
- Open
- Print

Start Via: Field used to specify how the program should open and run. There are 3 options available:

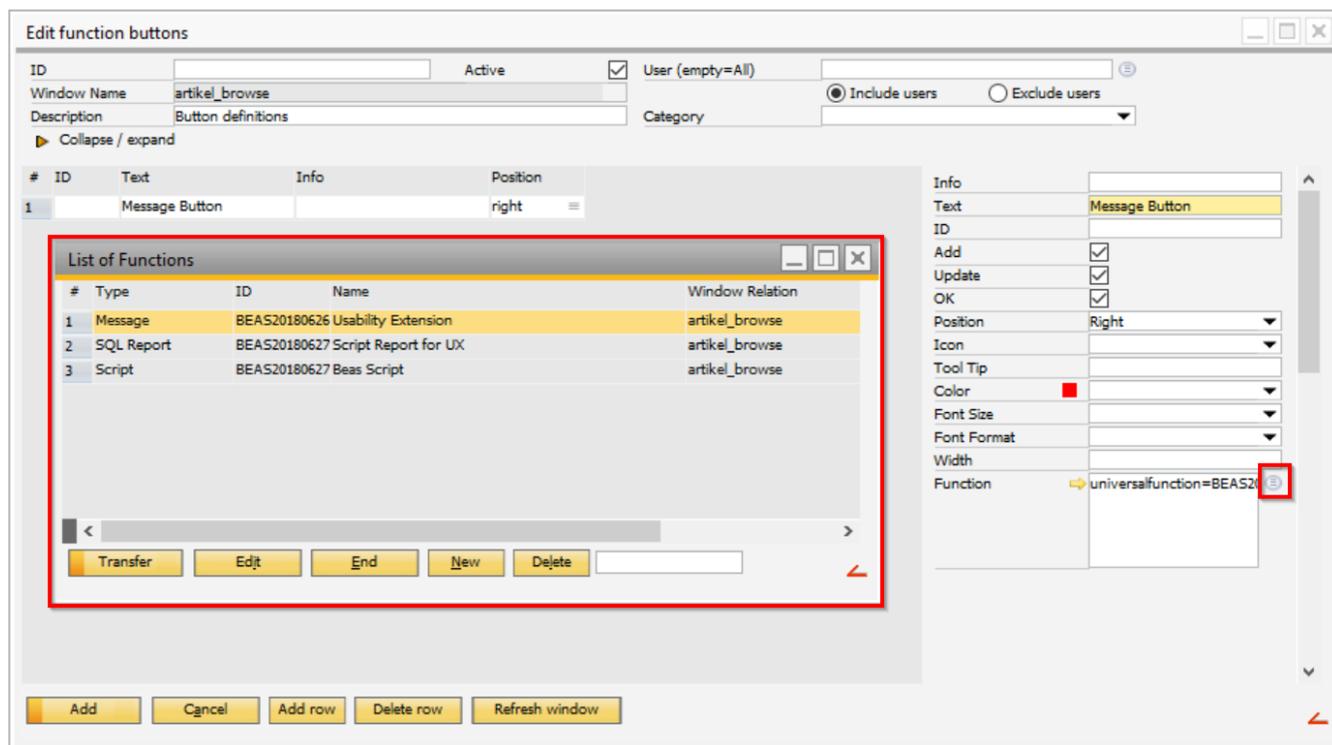
- Shell – This option opens the file under what it is registered at. This is very useful if the user does not have certain programs installed and only needs to display the document.
- Run – This option opens the program
- Run and wait – This option opens the program but freezes beas till the program is closed.

Block Event: Field used to set if the event should be blocked and cannot be executed. This is very useful when validating data. For more information, please refer to the *Validation System* tutorial.

Test: Field used to test the function defined.

Once the function is defined, the function will appear in the List of Functions screen. To select the function, from the screen, just click in *Transfer* or double click the function.

IMPORTANT: When the list of functions is opened from a beas screen, it will be displayed a list of universal functions created in beas.



In the function list, note the user can also attach print macros and templates to the button. Also, B1UP functions will be listed even though there are no screen related.

IMPORTANT: A warning message will be displayed in case the user selects a B1UP Universal Function because it will be only executed if the B1UP is installed and connected. It will not work for Web Apps and beas standalone.