

Line Loop - Example - Automatically update line Item based on a value in User Defined Field

Summary	
Module	Universal functions
Level	Advanced
Requirements	B1UP 2015.08 or higher

Description

This example show how we can let the system automatically update all line item’s tax when adding or updating a marketing document based on a value in a UDF entered by user.

Pre-Requisite

A User Defined Field is to be set up in the marketing document Title. You can choose either to leave it in the side panel or move it to the main window. In this example, we chose to move it to the main window at the footer.

The screenshot displays a software interface with a table of line items and a summary panel below it. A red box highlights the 'VAT ...' column in the table and the 'Tax Code' field in the summary panel.

#	Type	Item No.	Item Descri...	Quantity	Unit P...	Discount %	VAT ...	Total (LC)	Whse
1	▼	⇒ A00001	IBM Infoprint 1	1	400.00 \$	0.000	⇒ PA	400.00 \$	⇒ 01
2	▼	⇒ A00002	IBM Infoprint 1	1	200.00 \$	0.000	⇒ PA	200.00 \$	⇒ 01
3	▼	⇒ A00003	IBM Infoprint 1	1	300.00 \$	0.000	⇒ PA	300.00 \$	⇒ 01
4	▼	⇒ A00004	HP Color Laser	1	500.00 \$	0.000	⇒ PA	500.00 \$	⇒ 01
5	▼	⇒ A00005	HP Color Laser	1	400.00 \$	0.000	⇒ PA	400.00 \$	⇒ 01
6	▼	⇒ A00006	HP 600 Series I	1	400.00 \$	0.000	⇒ PA	400.00 \$	⇒ 01
7	▼					0.000			

Summary Panel:

Sales Employee: Sales Manager
 Owner: ⇒ Butler, Jayson
 Branch:
Tax Code: CA
 Remarks:
 Total Before Discount: 2,200.00 \$
 Discount: %
 Freight: ⇒
 Rounding
 Tax: 132.00 \$
 Total: 2,332.00 \$

Buttons: Update, Cancel, Copy From, Copy To

B1 Validation Configuration

We will first create a Validation that checks if the UDF is blank when user presses Add or Update. It’s because if it is blank then there is no need to run the Update and it will save processing time. (Hint: this step can be eliminated if you force the user to put in the tax code value every time by using our Mandatory Field function to make this UDF mandatory)

B1 Usability Package Sample

Name: Update Line Item Tax Code | Sort: 100 | Number: 176

Users (Empty = All): [] | Include users | Exclude users

Trigger

Formtype: 139 | Item: 1 | Column: | Row: | Menu Uid: []

FormMode: Add/Update | Event: Item Pressed [Click on buttons, ect.] | BeforeAction: True | ActionSuccess: Ignore | ItemChanged: Ignore | InnerEvent: Ignore | BubbleEvent: Ignore | CharPressed: [] | Modifier: None | Prevent event looping: [x]

Condition

No condition, just execute function

Simple condition

SQL Condition

IF(\$[BOYX_3.0.0] <> '') -- If the UDF Tax Code is not blank
BEGIN
SELECT 'UPDATE' FOR BROWSE
END

#	Condition result	Function to execute
1	UPDATE	UF-250
2		

Active: [x] | OK | Cancel | Import | Export

SQL Condition query is as follows:

```
IF($[BOYX_3.0.0] <> '') --If the UDF Tax Code is not blank
BEGIN
SELECT 'UPDATE' FOR BROWSE
END
```

Universal Functions

Then in the Function to execute, we will use a Line Loop and a macro to update the tax code as the UDF value. In this case only a Line UF is required.

Code: UF-250 | Name: Update Tax code | Type: Line Loop | Line item UID: 38

Line UF: UF-249 | Final result type: Overwrite

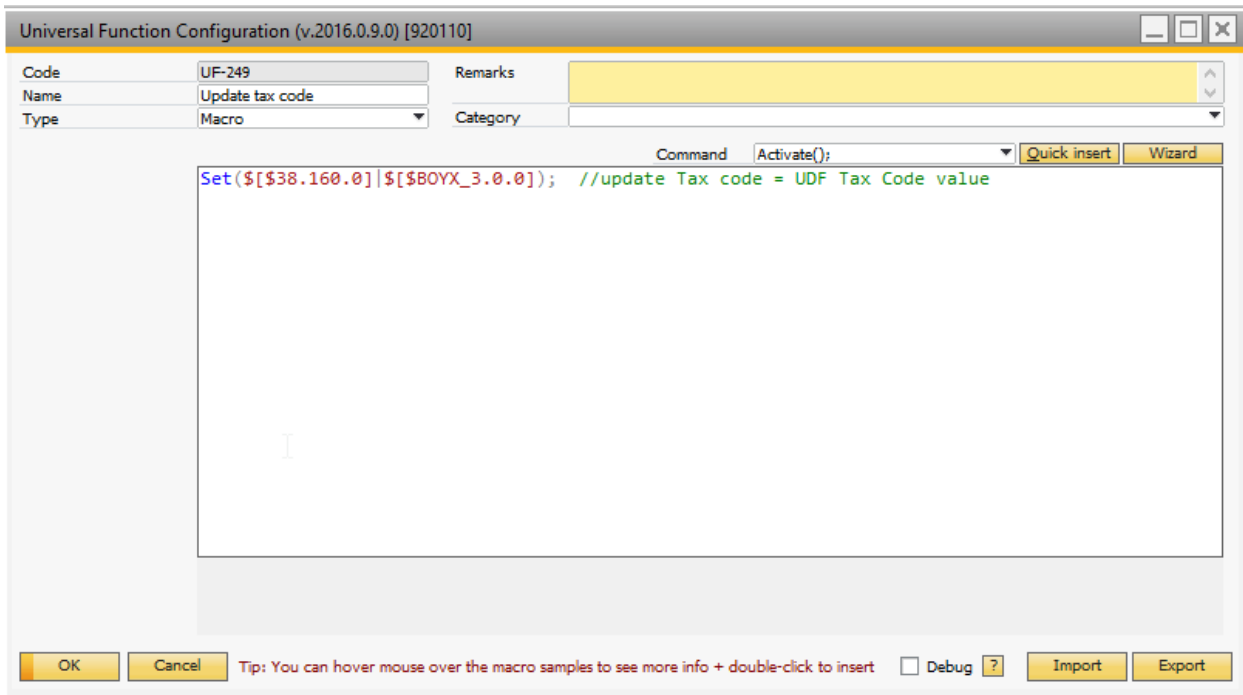
#	Result	First pass UF	Line UF	Final result value	Final result type	Break loop
1					Overwrite	[]

Final result

#	Condition	Value Type	Compare type	Compare value	Universal Function
1	Do not execute	Result as string	Equal		

OK | Cancel | You can use \$[LLRESULT.STRING] or \$[LLRESULT.NUMBER] in the Final result UF | Import | Export

The Line UF is a Macro as follows:



The Macro syntax is as follows:

`Set($[$38.160.0]|$[$BOYX_3.0.0]); //update Tax code = UDF Tax Code value`

Result

After the Tax Code UDF has a value, when user is Adding a document or Updating a document, system will execute the line loop function and update every line in the document.

