



Sage 100 ERP Customizer VB Scripting

Product: Sage 100 ERP

Description

This course discusses advanced Customizer concepts and walks you through creating a user-defined script that populates a user-defined field (UDF), and then passes the UDF data from the entry screen into history.

Knowledge of Customizer and VB scripting is required for success with this course.

Learning Objectives

In this course you will learn to

- Create a script using User-Defined Script Maintenance in Custom Office
- Use the script to populate a User-Defined Field (UDF)
- Pass the UDF from an entry screen into history



Customizer Features in Sage 100 ERP

User Defined Scripts (UDS)

- Ability to change the *behavior* of the business objects by scripting customer specific business rules which get executed automatically on pre-defined events.
- Because it is done at the business object layer, these rules are enforced from Sage 100 ERP Entry Screens, VI Imports, COM Access and new Web Services.

Customizer Edit Field Enhancements (no scripts required)

- Automatically total a numeric column from a detail table to a header UDF (all line entry tasks such as SO Sales Order Entry).
- Ignore if Null or Zero when defining field mappings (a demo is worth 1,000 words).
- For update tasks allow to choose an Expression from a drop box for numeric and date fields when updating to a summary table. (Previously, the last update wins.)
 - Add, Subtract (numeric only)
 - Min, Max (numeric and date)
 - Optional Document Multiplier to handle Credit Memos and others

Script Events

Event	Type	Script Executes...
Pre-Validate	Column	After dictionary validation, prior to Sage/Master Developer
Post-Validate	Column	After the column value has been validated
Script-Initialization	Table	Runs once per business object on first script run
Set-Default-Values	Table	When a new record is established in the business object
Pre-Write	Table	Before a record is written
Post-Write	Table	After a record is written
Pre-Delete	Table	Before a record is deleted
Post-Delete	Table	After a record is deleted
Post-Read	Table	After a record is read
Pre-Totals	Table	Line Entry only, before totals are calculated

- Any of the “Pre” events (Pre-Validate, Pre-Write and Pre-Delete) can be scripted to return a failure message and halt processing.

Defining Scripts

- VBScript only.
- Event scripts are defined in either the new User-Defined Script Maintenance or on-the-fly from User-Defined Field and Table Maintenance. These will contain code for the specific event to which they will be attached.
- Event scripts are attached to one of the pre-defined events in User-Defined Field and Table Maintenance.
- A single event script can be attached to multiple business objects. (e.g. pre_validate_gl_account script could be attached to the AccountKeyPreValidate event for GL General Journal as well as Transaction Journal).
- A priority level can be assigned if there are multiple scripts to be run for the same event if the order is significant.

- Event Scripts are “compiled” into a Master Script for each business object. This is for performance reasons of keeping the entire script in memory and calling the events as they occur. (Tip: Changes made to Event Scripts cannot be tested until compiled into a Master Script).
- There is a checksum test performed on the Master Script at run-time to ensure the Master Script was not modified outside of Customizer.
- Scripts will only run for companies that have the Allow External Access flag turned on. (Useful for test and debugging phase).

Variables automatically passed to the script

- Handles to currently running objects. **This is the MAGIC!!**
 - ***oBusObj*** – current business object (e.g. AR_Customer_bus)
 - ***oSession*** – current session object
 - ***oScript*** – script helper object
 - ***oHeaderObj*** – available only if current object (oBusObj) is a detail object (e.g. If oBusObj = SO_SalesOrderDetail_bus, oHeaderObj will be SO_SalesOrder_bus)
 - ***oUIObj*** – only available from within a data entry screen
- For column events – PreValidate, PostValidate
 - ***Column*** – name of column being validated
 - ***Value*** – contains the value that the user typed in

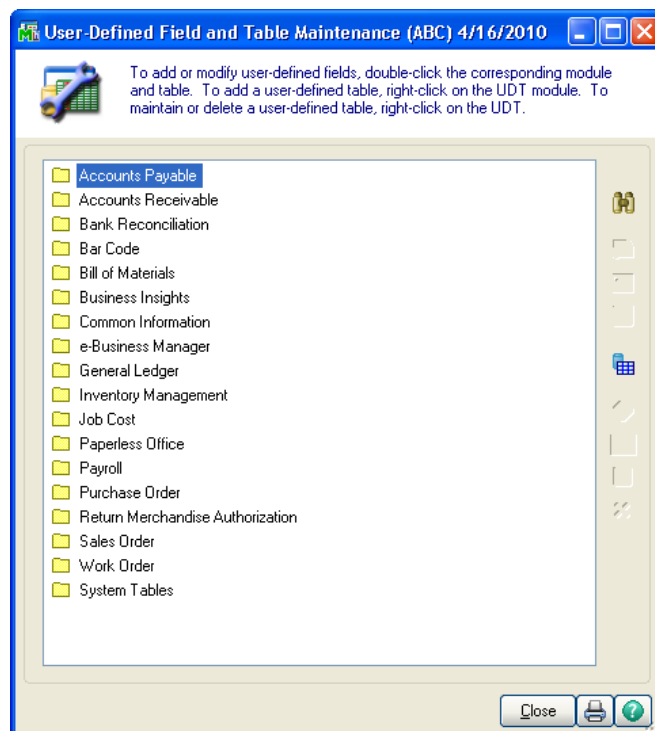
Still need buttons

- Some customizations need user interaction and therefore clicking a button to invoke a script is appropriate
- Good news - If the script is written in VBScript, the currently running objects are automatically passed to the script allowing direct access to the currently running business session, script helper and UI objects

Case Study

A Sage 100 ERP customer would like to track the amount saved by her customers off of the Retail Price based on each customer's price level. The total saved amount should be calculated on each invoice and automatically included as a comment line on the Sales Order Invoice. In addition the total amount saved for each period should be accumulated and stored for viewing on the History folder in Customer Maintenance. We will need to create User Defined Fields (UDF's), Scripts, and modify screens in Sage 100 ERP to accomplish this.

1. Launch Sage 100 ERP
 - Launch Sage 100 ERP
 - Username: rmd
 - Password:
 - Company Code: ABC
2. Open Custom Office and launch User-Defined Field and Table Maintenance.



Create UDF's

1. Add *UDF_Detail_Savings* to SO Invoice Detail – this will be used to store the savings for the current detail line which is the difference of the QuantityShipped * UnitPrice – QuantityShipped * RetailPrice.

The screenshot shows the 'SO_InvoiceDetail : Add Field' dialog box. The 'Field Name' is 'DETAIL_SAVINGS' and the 'Description' is 'Detail Saving'. Under 'Source for UDF Data', 'Manual Entry' is selected. There are dropdown menus for 'Business Object', 'Data Source', and 'Column'. An 'Ignore if Null' checkbox is present and unchecked. A 'Column Information' list box is empty. The dialog has 'OK', 'Cancel', and a help icon at the bottom right.

The screenshot shows the 'SO Invoice Detail : Edit Field' dialog box. The 'Field Name' is 'UDF_DETAIL_SAVINGS' (locked) and the 'Description' is 'Detail Savings'. The 'Control Type' is 'Multi-Line' (locked). On the right, statistics show 'Field in Use' (Yes), 'Bytes Used' (2,580 of 20,000), and 'Name Space Used' (866). Below are tabs for '1. Attributes', '2. Validation', and '3. Data Sources'. Under 'Attributes', 'Data Type' is 'Numeric' (locked), 'Maximum Length' is 15 (locked), and 'Display Attributes' includes 'Uppercase', 'Fixed Font', 'Center Text', 'Right-Justify', and 'Borderless'. A 'Mask' is set to '#,###,###.00'. 'Caption' is 'Detail Savings'. The dialog has 'OK', 'Cancel', and a help icon at the bottom right.

Sage 100 ERP Customizer VB Scripting

SO Invoice Detail : Edit Field

Field Name: [Locked]

Description:

Control Type:

- Multi-Line
- Drop-Box
- List-Box
- Check-Box

 [Locked]

Field in Use..... Yes
 Bytes Used..... 2,580 of 20,000
 Name Space Used..... 866

Bytes Used is the sum of the lengths of all columns in the table. Name Space Used is bytes-used plus the lengths of all column names.

1. Attributes | 2. Validation | 3. Data Sources

None
 Range... Through
 List...
 User-Defined Table...

Required Field

OK Cancel

SO Invoice Detail : Edit Field

Field Name: [Locked]

Description:

Control Type:

- Multi-Line
- Drop-Box
- List-Box
- Check-Box

 [Locked]

Field in Use..... Yes
 Bytes Used..... 2,580 of 20,000
 Name Space Used..... 866

Bytes Used is the sum of the lengths of all columns in the table. Name Space Used is bytes-used plus the lengths of all column names.

1. Attributes | 2. Validation | 3. Data Sources

Business Object	Select	Data Source	Column	Ignore	Expression	DM
SO_InvoiceDetail_bus	<input checked="" type="checkbox"/>					
RA_GenerateTransactions_upd	<input type="checkbox"/>					
SO_InvoiceDetail_bus:CopyFromSalesOrder	<input type="checkbox"/>					

OK Cancel

2. Add *UDF_Retail_Price* to SO Invoice Detail – this is sourced from the ItemCode Data Source. This means that when an item is entered on the SO Invoice the SuggestedRetailPrice from the CI_Item table will be assigned to the UDF_Retail_Price column.

The screenshot shows the 'SO_InvoiceDetail : Add Field' dialog box. The 'Field Name' is 'RETAIL_PRICE' and the 'Description' is 'Retail Price'. Under 'Source for UDF Data', 'Source' is set to 'Business Object'. The 'Business Object' is 'SO_InvoiceDetail_Bus', the 'Data Source' is 'ItemCode', and the 'Column' is 'SuggestedRetailPrice'. There is an 'Ignore If Zero' checkbox which is unchecked. The 'Column Information' section shows: Desc..... Suggested Retail Price, Type..... Number, Class..... PRICE, Notes..... {IM1[4]}. Buttons for 'OK', 'Cancel', and a help icon are at the bottom.

The screenshot shows the 'SO Invoice Detail : Edit Field' dialog box. The 'Field Name' is 'UDF_RETAIL_PRICE' and the 'Description' is 'Retail Price'. The 'Control Type' is 'Multi-Line' and is marked as '[Sourced]'. The 'Data Type' is 'Numeric' and is marked as '[Sourced]'. The 'Maximum Length' is '15' and is marked as '[Sourced]'. The 'Display Attributes' section includes 'Uppercase', 'Fixed Font', 'Center Text', 'RightJustify', and 'Borderless', all of which are unchecked and marked as '[Sourced]'. The 'Mask' is checked and set to '#,###,###.00'. The 'Caption' is checked and set to 'Retail Price'. On the right, a summary box shows: 'Field in Use..... Yes', 'Bytes Used..... 2,580 of 20,000', and 'Name Space Used..... 866'. A note below explains: 'Bytes Used is the sum of the lengths of all columns in the table. Name Space Used is bytes-used plus the lengths of all column names.' Buttons for 'OK', 'Cancel', and a help icon are at the bottom.

Sage 100 ERP Customizer VB Scripting

SO Invoice Detail : Edit Field

Field Name:

Description:

Control Type:

 Multi-Line [Sourced]

 Drop-Box

 List-Box

 Check-Box

Field in Use..... Yes
 Bytes Used..... 2,580 of 20,000
 Name Space Used..... 866

Bytes Used is the sum of the lengths of all columns in the table. Name Space Used is bytes-used plus the lengths of all column names.

1. Attributes | 2. Validation | 3. Data Sources

None
 Range... Through
 List...

User-Defined Table... N/A

Required Field

OK Cancel

SO Invoice Detail : Edit Field

Field Name:

Description:

Control Type:

 Multi-Line [Sourced]

 Drop-Box

 List-Box

 Check-Box

Field in Use..... Yes
 Bytes Used..... 2,580 of 20,000
 Name Space Used..... 866

Bytes Used is the sum of the lengths of all columns in the table. Name Space Used is bytes-used plus the lengths of all column names.

1. Attributes | 2. Validation | 3. Data Sources

Business Object	Select	Data Source	Column	Ignore	Expression	DM
SO_InvoiceDetail_bus	<input checked="" type="checkbox"/>	ItemCode	SuggestedRetailPrice	<input type="checkbox"/>		
RA_GenerateTransactions_upd	<input type="checkbox"/>					
SO_InvoiceDetail_bus.CopyFromSalesOrder	<input type="checkbox"/>					

OK Cancel

3. Add *UDF_Total_Savings* to SO Invoice Header.



Note: <Total From SO_InvoiceDetail> is a feature in Customizer which allows a detail numeric field to automatically total to a header UDF. In this case we are storing the total of UDF_Detail_Savings from ALL lines into the UDF_Total_Savings in the SO_InvoiceHeader table.

Sage 100 ERP Customizer VB Scripting

SO Invoice Header : Edit Field

Field Name: UDF_TOTAL_SAVINGS

Description: Total Savings

Control Type:

- Multi-Line
- Drop-Box
- List-Box
- Check-Box

 [Sourced]

Field in Use..... Yes

Bytes Used..... 1,794 of 20,000

Name Space Used..... 2,239

Bytes Used is the sum of the lengths of all columns in the table. Name Space Used is bytes-used plus the lengths of all column names.

1. Attributes | 2. Validation | 3. Data Sources

None
 Range... [] Through []
 List... []
 User-Defined Table... [N/A]

Required Field

OK Cancel ?

SO Invoice Header : Edit Field

Field Name: UDF_TOTAL_SAVINGS

Description: Total Savings

Control Type:

- Multi-Line
- Drop-Box
- List-Box
- Check-Box

 [Sourced]

Field in Use..... Yes

Bytes Used..... 1,794 of 20,000

Name Space Used..... 2,239

Bytes Used is the sum of the lengths of all columns in the table. Name Space Used is bytes-used plus the lengths of all column names.

1. Attributes | 2. Validation | 3. Data Sources

Business Object	Select	Data Source	Column	Ignore	Expression	DM
SO_Invoice_bus	<input checked="" type="checkbox"/>	<Total From SO_InvoiceDetail>	UDF_DETAIL_SAVINGS			
RA_GenerateTransactions_upd	<input type="checkbox"/>					

OK Cancel ?

4. Add *UDF_Total_Savings* to AR Transaction Posting – This table is a common format used to post Invoice information from either Sales Order or Accounts Receivable to historical tables such as AR_OpenInvoice, AR_InvoiceHistory, AR_CustomerSalesHistory, etc.
 - In this step we are taking the UDF_Total_Savings from the SO_InvoiceHeader table and mapping it to the AR_TransactionPosting table. This will be used in the next step to flow through to the AR_CustomerSalesHistory table.

AR_TransactionPosting : Add Field

Field Name: TOTAL_SAVINGS
Description: Total Saving

Source for UDF Data

Source: Manual Entry Business Object

Business Object: SO_SalesJournal_upd
Data Source: SO_InvoiceHeader
Column: UDF_TOTAL_SAVINGS Ignore If Zero

Column Information

Desc..... Total Savings
Type..... Number
Notes..... udfCTLTYP\$='M',udfCAPVAL\$='Total Savings'

OK Cancel ?

Sage 100 ERP Customizer VB Scripting

AR Transaction Posting : Edit Field

Field Name:

Description:

Control Type: Multi-Line [Sourced]
 Drop-Box
 List-Box
 Check-Box

Field in Use..... Yes
Bytes Used..... 1,573 of 20,000
Name Space Used..... 1,705

Bytes Used is the sum of the lengths of all columns in the table. Name Space Used is bytes-used plus the lengths of all column names.

1. Attributes | 2. Validation | 3. Data Sources

Data Type: String [Sourced]
 Numeric
 Date

Maximum Length: [Sourced]

Display Attributes: Uppercase Fixed Font Center Text Right-Justify Borderless [Sourced]

Mask:
 Default Value:
 Caption:

OK Cancel

AR Transaction Posting : Edit Field

Field Name:

Description:

Control Type: Multi-Line [Sourced]
 Drop-Box
 List-Box
 Check-Box

Field in Use..... Yes
Bytes Used..... 1,573 of 20,000
Name Space Used..... 1,705

Bytes Used is the sum of the lengths of all columns in the table. Name Space Used is bytes-used plus the lengths of all column names.

1. Attributes | 2. Validation | 3. Data Sources

None
 Range... Through
 List...

User-Defined Table...

Required Field:

OK Cancel

Sage 100 ERP Customizer VB Scripting

AR Transaction Posting : Edit Field

Field Name: UDF_TOTAL_SAVINGS
 Description: Total Savings
 Control Type: Multi-Line [Sourced]
 Drop-Box
 List-Box
 Check-Box

Field in Use..... Yes
 Bytes Used..... 1,573 of 20,000
 Name Space Used..... 1,705

Bytes Used is the sum of the lengths of all columns in the table. Name Space Used is bytes-used plus the lengths of all column names.

1. Attributes | 2. Validation | 3. Data Sources

Business Object	Select	Data Source	Column	Ignore	Expression	DM
AR_SalesJournal_upd	<input type="checkbox"/>					
SO_SalesJournal_upd	<input checked="" type="checkbox"/>	SO_InvoiceHeader	UDF_TOTAL_SAVINGS	<input type="checkbox"/>	None	
AR_CommissionEditRegister_upd	<input type="checkbox"/>					

OK Cancel

5. Add UDF_Total_Savings to AR Customer Sales History.

AR_CustomerSalesHistory : Add Field

Field Name: TOTAL_SAVINGS
 Description: Total Saving

Source for UDF Data

Source: Manual Entry
 Business Object

Business Object: SO_SalesJournal_upd
 Data Source: AR_TransactionPosting
 Column: UDF_TOTAL_SAVINGS
 Ignore If Zero

Column Information
 Desc..... Total Savings
 Type..... Number
 Notes..... udfCTLTYP\$="M",udfCAPVAL\$="Total Savings"

OK Cancel

Sage 100 ERP Customizer VB Scripting

AR Customer Sales History : Edit Field

Field Name: [Locked]

Description:

Control Type: Multi-Line [Locked]
 Drop-Box
 List-Box
 Check-Box

Field in Use..... Yes
Bytes Used..... 156 of 20,000
Name Space Used..... 194

Bytes Used is the sum of the lengths of all columns in the table. Name Space Used is bytes-used plus the lengths of all column names.

1. Attributes | 2. Validation | 3. Data Sources

Data Type: String [Locked]
 Numeric
 Date

Maximum Length: [May not be reduced below 15]

Display Attributes: Uppercase Fixed Font Center Text Right-Justify Borderless

Mask:
 Default Value:
 Caption:

OK Cancel

AR Customer Sales History : Edit Field

Field Name: [Locked]

Description:

Control Type: Multi-Line [Locked]
 Drop-Box
 List-Box
 Check-Box

Field in Use..... Yes
Bytes Used..... 156 of 20,000
Name Space Used..... 194

Bytes Used is the sum of the lengths of all columns in the table. Name Space Used is bytes-used plus the lengths of all column names.

1. Attributes | 2. Validation | 3. Data Sources

None
 Range... Through
 List...

User-Defined Table...

Required Field:

OK Cancel

Sage 100 ERP Customizer VB Scripting

AR Customer Sales History : Edit Field

Field Name: [Locked]

Description:

Control Type:

- Multi-Line
- Drop-Box
- List-Box
- Check-Box

 [Locked]

Field in Use..... Yes

Bytes Used..... 156 of 20,000

Name Space Used..... 194

Bytes Used is the sum of the lengths of all columns in the table. Name Space Used is bytes-used plus the lengths of all column names.

1. Attributes | 2. Validation | 3. Data Sources

Business Object	Select	Data Source	Column	Ignore	Expression	DM
AR_CustomerSalesHistory_bus	<input type="checkbox"/>					
AR_CashReceiptsJournal_upd	<input type="checkbox"/>					
AR_SalesJournal_upd	<input type="checkbox"/>					
SO_SalesJournal_upd	<input checked="" type="checkbox"/>	AR_TransactionPosting	UDF_TOTAL_SAVINGS		Add	<input checked="" type="checkbox"/>
AP_ARClearingRegister_upd	<input type="checkbox"/>					

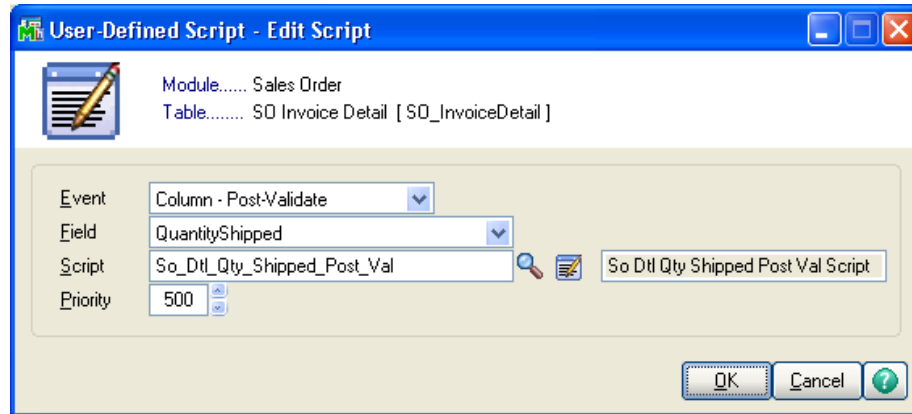
OK Cancel



Note: The Expression is a feature in Customizer which in this case allows an amount to be Added to the current value. DM is for Document Multiplier, which is used to handle reducing an amount for a Credit Memo, when the normal operation is to add.

Create Scripts

6. Right Click SO Invoice Detail and select User-Defined Scripts.
 - Click on the Add button
 - Enter the information as displayed

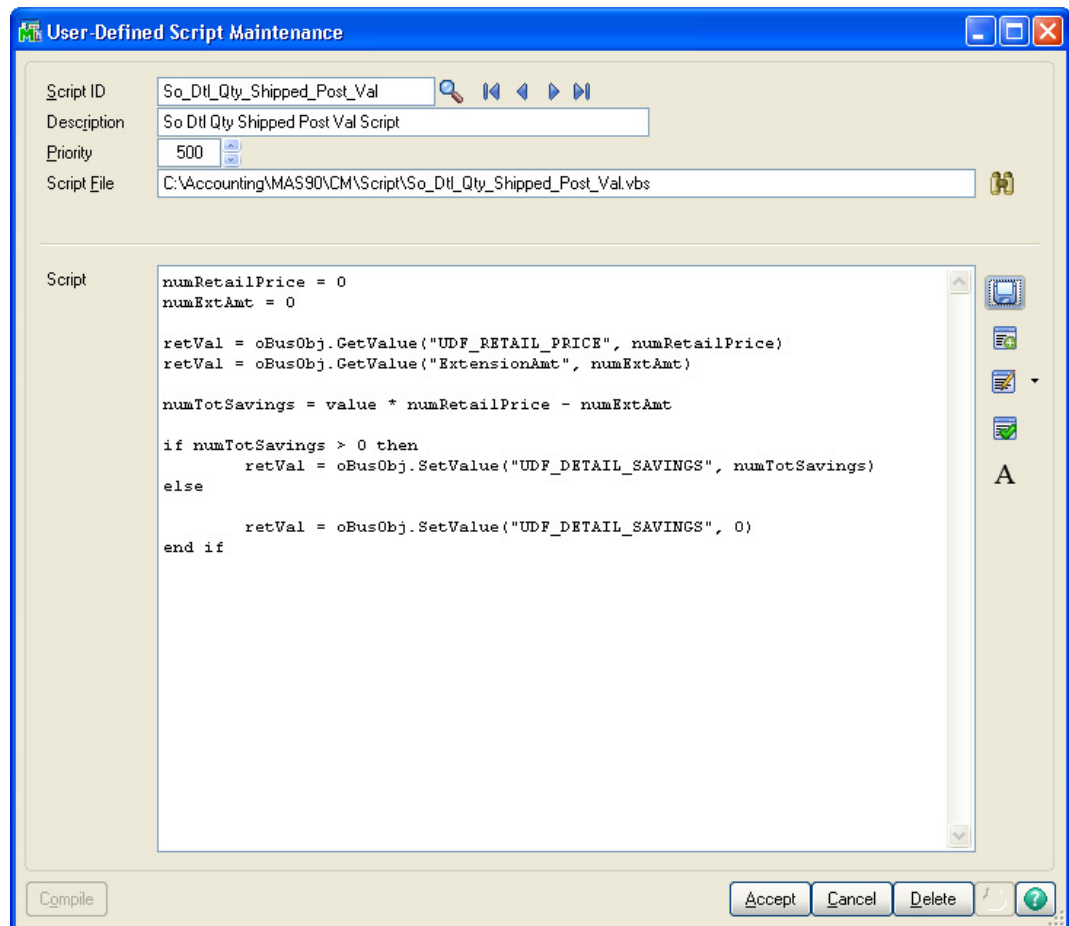


The dialog box 'User-Defined Script - Edit Script' contains the following fields:

- Module: Sales Order
- Table: SO Invoice Detail [SO_InvoiceDetail]
- Event: Column - Post-Validate
- Field: QuantityShipped
- Script: So_Dtl_Qty_Shipped_Post_Val (with a search icon and a text box containing 'So Dtl Qty Shipped Post Val Script')
- Priority: 500

Buttons at the bottom: OK, Cancel, and a green checkmark icon.

7. When prompted to create script click *OK* to add the Script to calculate UDF_Detail_Savings.



The 'User-Defined Script Maintenance' dialog box displays the following information:

- Script ID: So_Dtl_Qty_Shipped_Post_Val
- Description: So Dtl Qty Shipped Post Val Script
- Priority: 500
- Script File: C:\Accounting\MAS90\CM\Script\So_Dtl_Qty_Shipped_Post_Val.vbs

The Script text area contains the following code:

```
numRetailPrice = 0
numExtAmt = 0

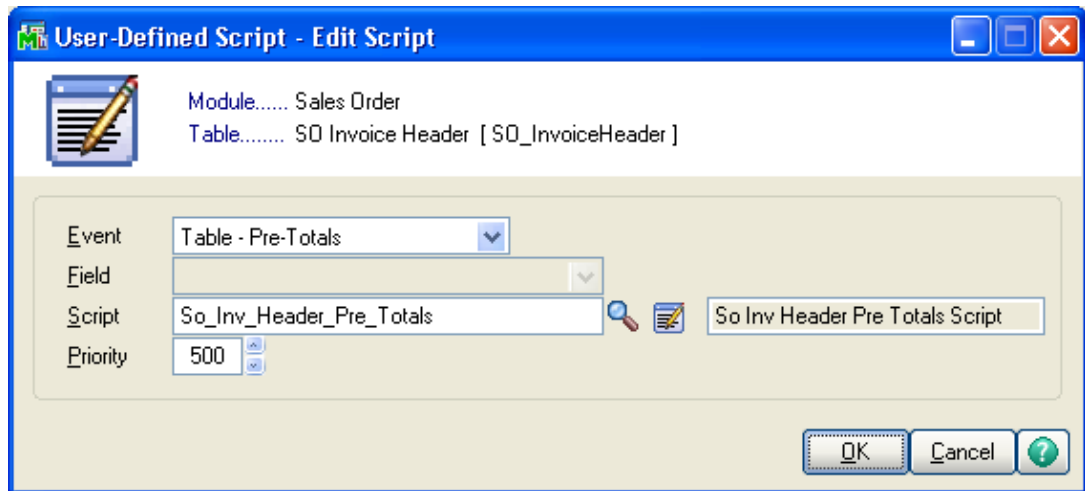
retVal = oBusObj.GetValue("UDF_RETAIL_PRICE", numRetailPrice)
retVal = oBusObj.GetValue("ExtensionAmt", numExtAmt)

numTotSavings = value * numRetailPrice - numExtAmt

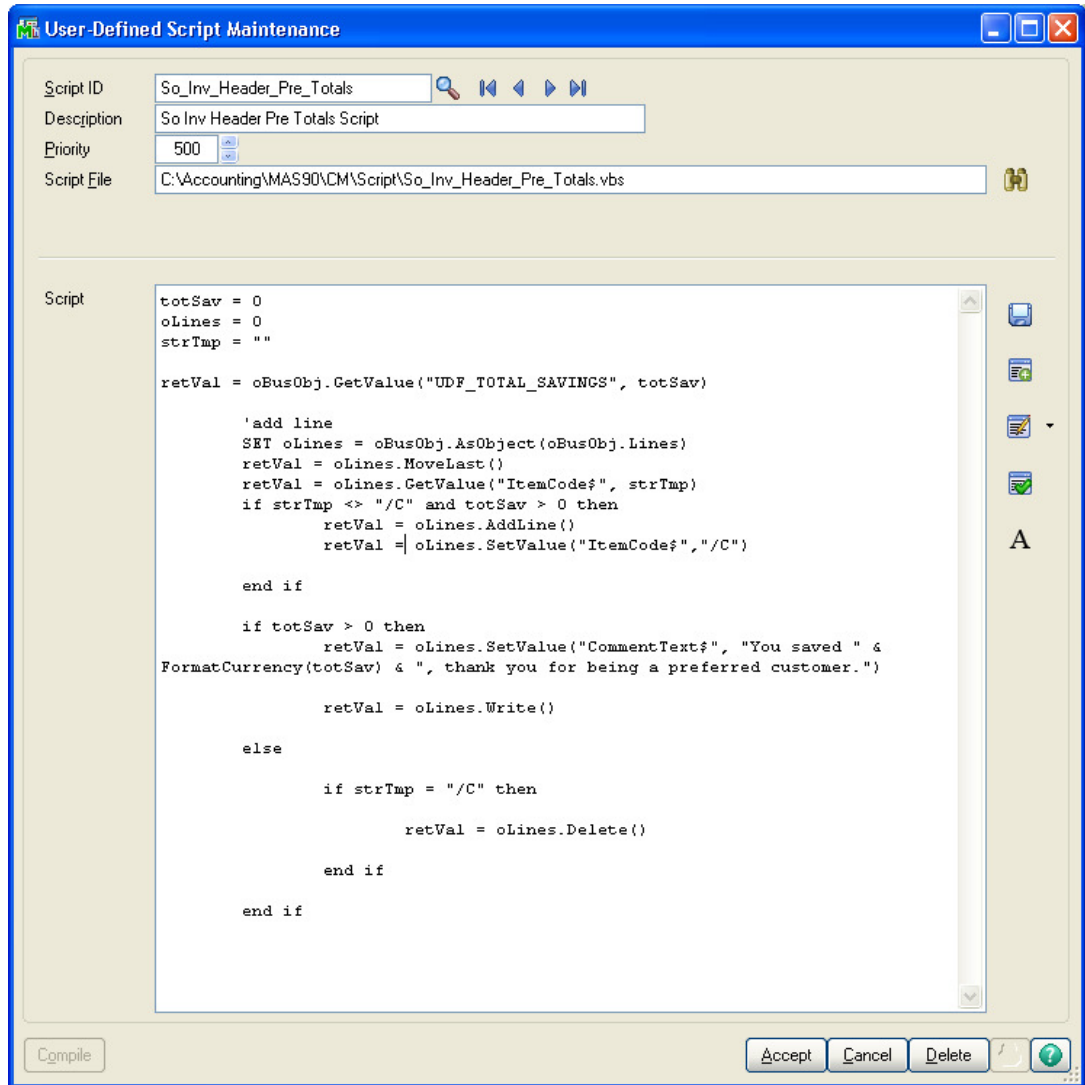
if numTotSavings > 0 then
    retVal = oBusObj.SetValue("UDF_DETAIL_SAVINGS", numTotSavings)
else
    retVal = oBusObj.SetValue("UDF_DETAIL_SAVINGS", 0)
end if
```

Buttons at the bottom: Compile, Accept, Cancel, Delete, and a green checkmark icon.

8. Click Accept.
9. Click *Compile* on the Script Compile Screen.
10. Check and Save script.
11. Right click SO Invoice Header and select User-Defined Scripts.
 - Click on the Add button
 - Enter the information as displayed.



12. When prompted to create script click *OK* to add the script to check for UDF_Total_Savings and if > 0 add a comment line.



13. Click Accept.
14. Click Compile on the Script Compile Screen.
15. Check and save script.

Customizer Selection UI Changes

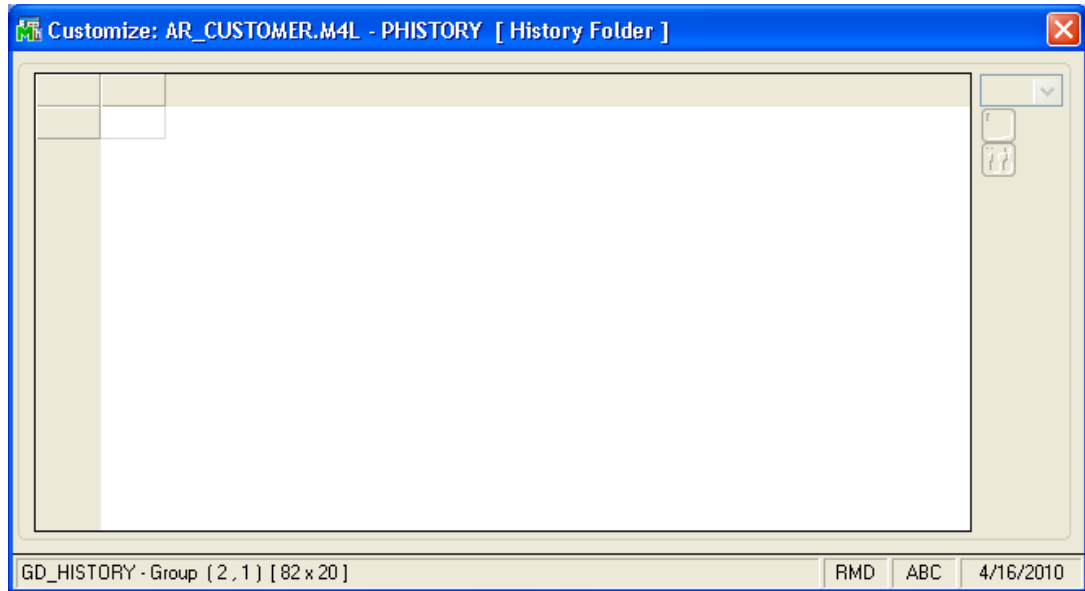
1. Launch Customizer Selection.
2. Add *Total_Savings UDF* to SO Invoice Entry .
 - pTotal and pTotalsW
 - Create Customization for all Users/Companies

The screenshot shows a customizer window titled "Customize: SO_INVOICE.M4L - PTOTALS [#4. Totals]". The window contains several sections of input fields:

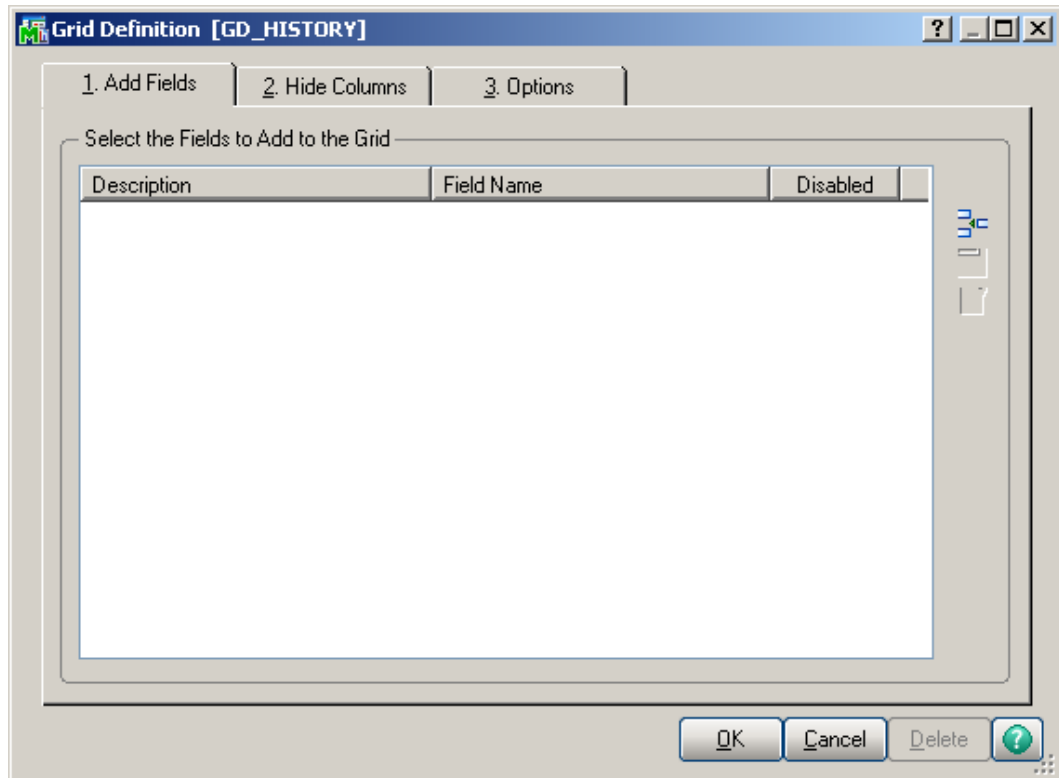
- Invoice Information:** Invoice Date, Invoice Type, and Tax Detail... button.
- Customer Information:** Customer No. (two fields), Salesperson.
- Discounts:** Amount Subject to Discount, Discount Rate, Discount Amount.
- Taxable Amounts:** Taxable Amount, Nontaxable Amount.
- Shipping:** Ship Zone, Ship Weight, Freight Amount (each with a magnifying glass icon).
- Payment Information:** Payment Type (dropdown), Deposit (checkbox), Check Number, Deposit Available, Deposit Amount.
- Totals and Other:** Commission Rate, Sales Tax Amount, Invoice Total, Net Invoice, Retention Amount, and Total Savings (circled in red).
- Labels:** Number of COD Labels, COD Cash Only (checkbox).

At the bottom of the window, there is an "Add Button (0 , 0) [1 x 1]" and several empty buttons.

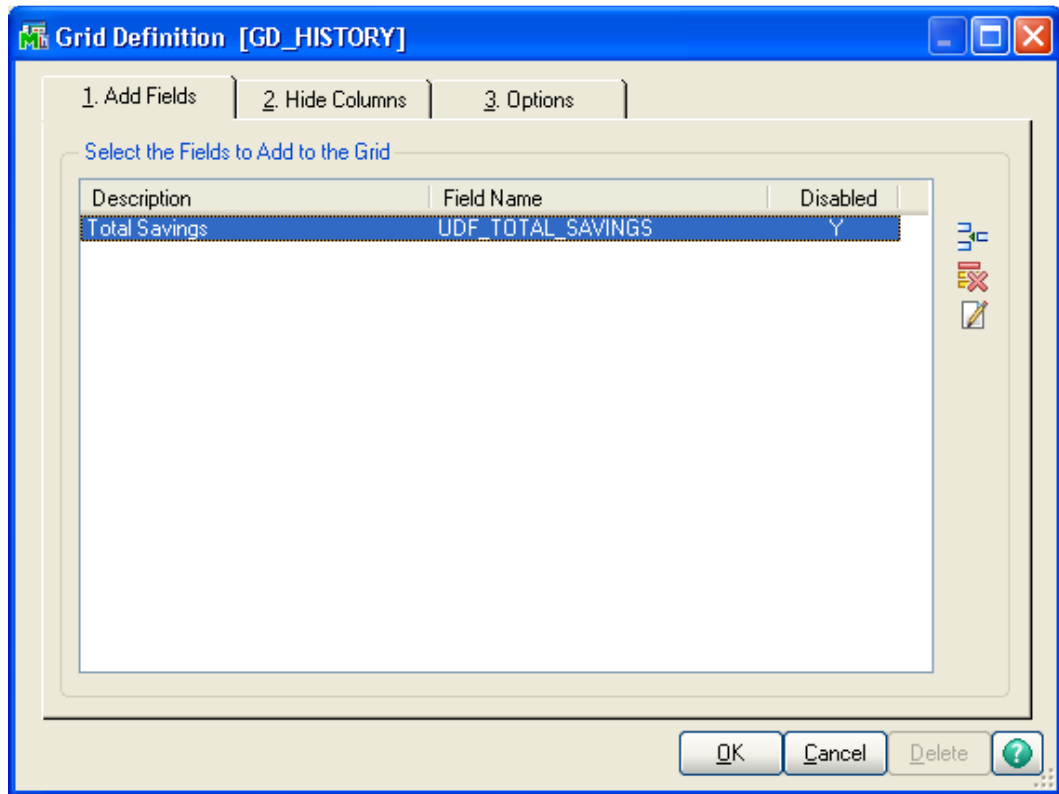
3. Add *Total_Savings UDF* to History List Box in Customer Maintenance.



4. Right-click on grid.



5. Click on the *Add* button.



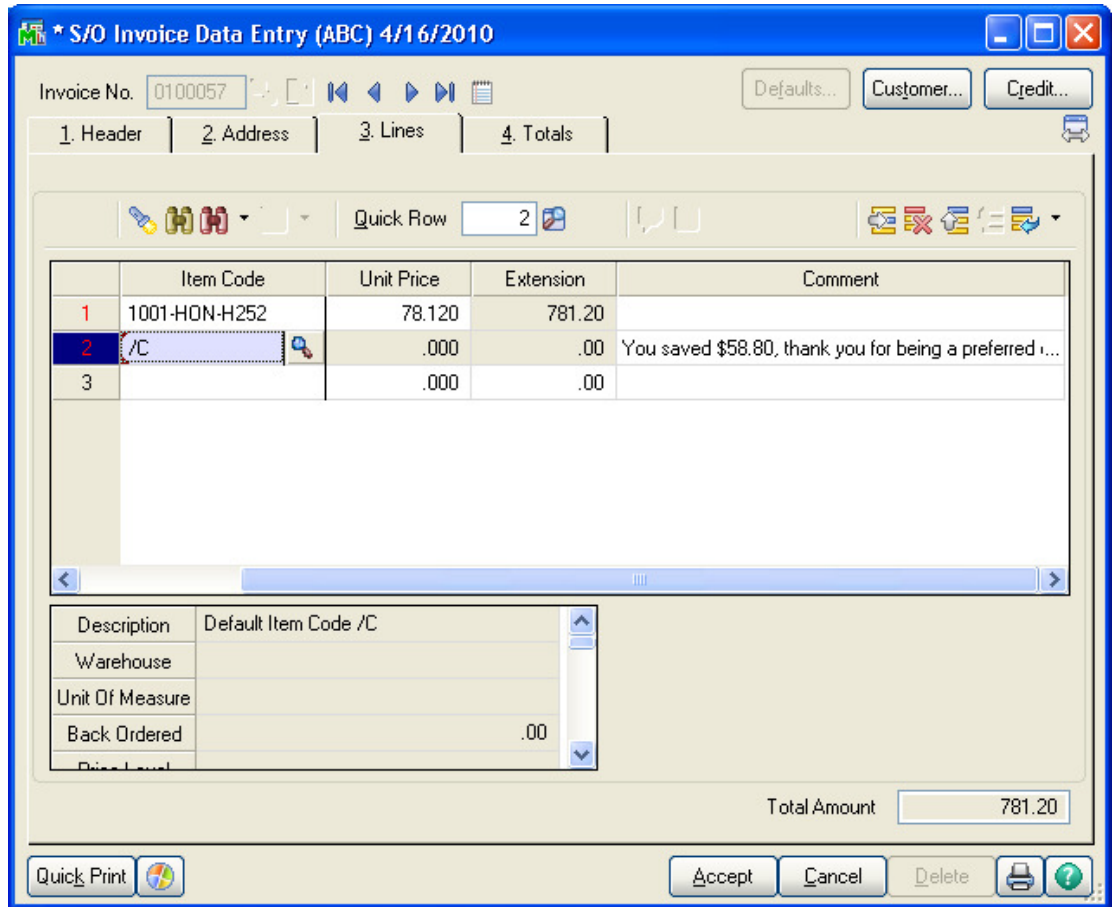
Testing the Customization

1. Open SO Invoice Data Entry and create a new invoice for customer 01-ABF.
2. On the Lines tab select item code 1001-HON-H252 and order 10 units.
3. Select the Totals tab and note the amount in the Total Savings field.

The screenshot shows the 'S/O Invoice Data Entry (ABC) 4/16/2010' window. The 'Totals' tab is selected. The 'Total Savings' field is circled in red and contains the value 58.80. Other fields include Invoice No. 0100057, Invoice Date 4/16/2010, Invoice Type Standard Invoice, Customer No. 01-ABF, American Business Futures, Salesperson 0100, Amount Subject to Discount 781.20, Discount Rate .000%, Discount Amount .00, Payment Type CREDIT CARD, American Express, Deposit checked, Credit Card Number *****6780, Deposit Available .00, Deposit Amount .00, Commission Rate 10.000%, Sales Tax Amount .00, Invoice Total 781.20, Net Invoice 781.20, Ship Zone, Ship Weight 00350, Freight Amount .00, Taxable Amount .00, and Nontaxable Amount 781.20.

Field	Value
Invoice No.	0100057
Invoice Date	4/16/2010
Invoice Type	Standard Invoice
Customer No.	01-ABF
American Business Futures	
Salesperson	0100
Amount Subject to Discount	781.20
Discount Rate	.000%
Discount Amount	.00
Payment Type	CREDIT CARD
American Express	
Deposit	<input checked="" type="checkbox"/>
Credit Card Number	*****6780
Deposit Available	.00
Deposit Amount	.00
Commission Rate	10.000%
Sales Tax Amount	.00
Invoice Total	781.20
Net Invoice	781.20
Ship Zone	
Ship Weight	00350
Freight Amount	.00
Taxable Amount	.00
Nontaxable Amount	781.20
Total Savings	58.80

4. Switch back to the Lines tab and note the comment line added to the invoice.



5. Print and post the Invoice, note the comment line on the Invoice.

6. Open *Customer Maintenance* for 01-ABF and check the *History* tab.

The screenshot shows the 'Customer Maintenance (ABC) 4/16/2010' window. The 'History' tab is selected. The customer information is 01-ABF, American Business Futures. The table below displays the history for 2010, with the row for May 31 circled in red.

Period	Ending	Profit %	Profit \$	Cash Recvd	No. Invc	Total Savings
01	Jan 31	0.000%	.00	.00		.00
02	Feb 28	0.000%	.00	.00		.00
03	Mar 31	0.000%	.00	.00		.00
04	Apr 30	100.000%	5,342.50	850.00	4	.00
05	May 31	71.929%	7,883.06	8,482.38	15	58.80
06	June 30	0.000%	.00	.00		.00
07	July 31	0.000%	.00	.00		.00
08	Aug 31	0.000%	.00	.00		.00
09	Sept 30	0.000%	.00	.00		.00
10	Oct 31	0.000%	.00	.00		.00
11	Nov 30	0.000%	.00	.00		.00
12	Dec 31	0.000%	.00	.00		.00

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