

Using APP Customizer

- **Item Placement** - Allows the user to add objects (labels, text fields, buttons) or tabs to forms without the use of programming knowledge.
 - **Process Rules** - allows the user to add field and event based validations and procedure executions to forms without the use of programming knowledge.
 - **Tab Order** - allows the user to establish, edit, and remove custom designated tab orders for forms that will override the normal order of moving between fields on a form.
 - **Mandatory Fields** - allows the user to establish, edit, and remove custom designated mandatory fields for forms that will operate in addition to the normal required fields on a form.
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How To Convert APP Form Customized Data to XML During APP Upgrade

Information for forms that have been customized using APP will be saved into the database as XML. These XML files are used at the time that the form is loaded in SAP® Business One.

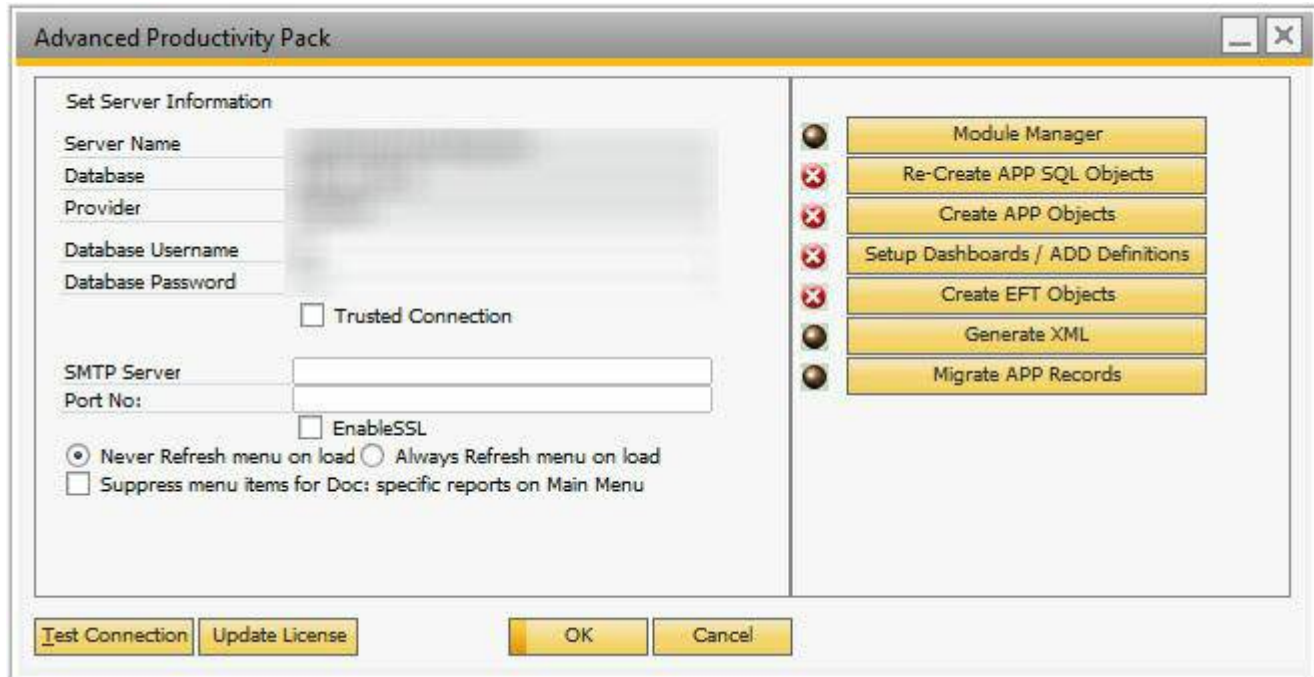


If you are upgrading to a new version of APP from a prior version that did not store customized form data as XML, you will be required to convert or “migrate” the customization data during the upgrade process.



TWBS APP Server Configuration screen access is controlled through the SAP® Business One Authorizations function.

- Click the **Report Definition** menu option under the **Administration** ➡ **Setup** ➡ **APP Configuration** menu groups to load the **APP Server Configuration** screen.



The 'Advanced Productivity Pack' dialog box is divided into two main sections. The left section, titled 'Set Server Information', contains fields for 'Server Name', 'Database', 'Provider', 'Database Username', and 'Database Password'. Below these is a 'Trusted Connection' checkbox. Further down are fields for 'SMTP Server' and 'Port No:', followed by an 'EnableSSL' checkbox. At the bottom of this section are two radio buttons: 'Never Refresh menu on load' (selected) and 'Always Refresh menu on load', and a checkbox for 'Suppress menu items for Doc: specific reports on Main Menu'. The right section contains a vertical list of buttons: 'Module Manager', 'Re-Create APP SQL Objects', 'Create APP Objects', 'Setup Dashboards / ADD Definitions', 'Create EFT Objects', 'Generate XML', and 'Migrate APP Records'. The 'Generate XML' button is highlighted in green. At the bottom of the dialog are four buttons: 'Test Connection', 'Update License', 'OK', and 'Cancel'.

- Click the **Generate XML** button to initiate the process of saving APP form modifications information to the database as XML.

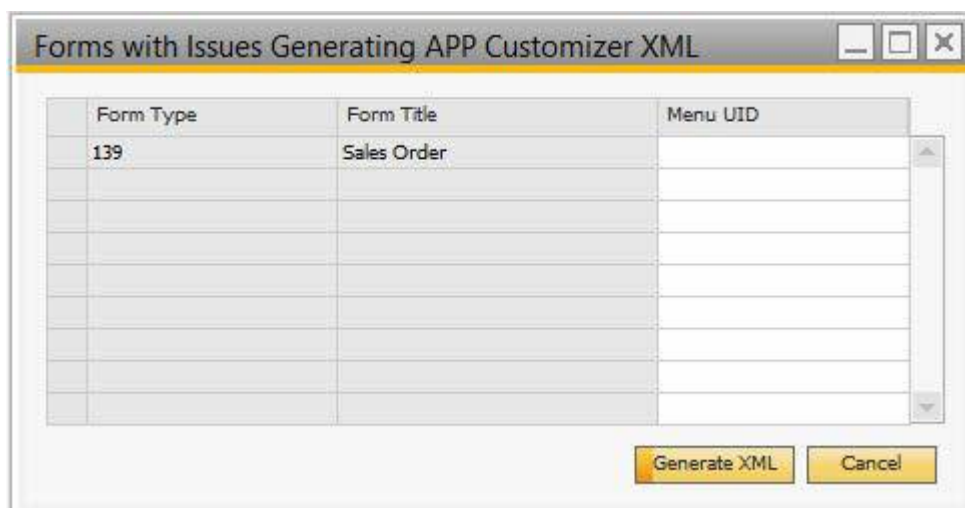


This process may take a few minutes depending on the number of forms that have been customized with APP.



If any add-on applications have forms that were customized using APP, they **must** be connected and running at the time that the **Generate XML** button is clicked otherwise the user will receive an error in the conversion process.

- If there are any issues saving the XML into the database for any forms with customizations, the user will receive the following form listing the problem Form Type and Form Title.



The 'Forms with Issues Generating APP Customizer XML' dialog box features a table with three columns: 'Form Type', 'Form Title', and 'Menu UID'. The first row contains the values '139' and 'Sales Order'. Below this row are several empty rows. At the bottom right of the dialog are two buttons: 'Generate XML' and 'Cancel'.

Form Type	Form Title	Menu UID
139	Sales Order	

- The user should fill in the Menu UID for each form and then click the **Generate XML** button.
- When the process is complete the user will receive a message on the SAP® B1 status bar that the process was successful.

How To Publish APP Customizer Changes to All Users

The APP Customizer **Publish Forms** screen lists all SAP® Business One forms or other APP registered forms that have been modified through APP Customizer (Item Placement, Tab Order, and Mandatory Fields).

Click the SAP menu option titled **Publish Forms** under the **Administration** ➔ **Setup** ➔ **APP Configuration** ➔ **Customizer** menu to load the APP Customizer **Publish Forms** screen.

[illegible]

- Click the **Select** column checkbox at the right of each form listing that you wish to publish APP Customizer modifications to all users.
- Click the **Publish** button.
- Close the APP Customizer **Publish Forms** screen.



Once APP Customizer form modifications have been published for all users, the changes will be reflected once any open instances of the form(s) published have been closed and reopened.

Item Placement

Item Placement functionality allows the user to add objects (labels, text fields, buttons, and tabs) to enhance any SAP® Business One forms or UI-based add-on application screens or edit the properties of existing SAP objects without the use of programming knowledge.

How To Auto Reference a Control During Item Placement

During the Item Placement process, it is necessary to designate a reference control on the form that will serve as an anchor point for the placement of the new item. This section will describe the process of automatically referencing an item during this process.



Automatic referencing of the control will reduce the number of item placement steps.



This example is for the **Business Partner Master Data** screen.

- Click the SAP menu option titled **Business Partner Master Data** under the **Business Partner** menu to load the **Business Partner Master Data** screen.
- Determine the item that you want to use as the reference control item (**Currency** field for this example).
- Select the **New Item** option from the **APP Customizer** menu group option from the right-click menu on the form. Select the option for the type of item to be added to the form.



The right-click menu should be launched while the mouse is on top of the item being used as the reference control.

The screenshot shows the 'Business Partner Master Data' screen. The 'APP Customizer' menu is open, displaying options like '12 Mo Purchases by Vendor', 'Opportunity Overview', and 'New Item'. The 'New Item' option is highlighted, and a sub-menu is visible showing 'Control Properties', 'UDF', 'Display Field Properties', 'Item Placement Configurator', 'Tab Order', and 'Mandatory fields'. The 'Item Placement Configurator' option is also highlighted. The background shows various fields for business partner data, including Code, Name, ADP#, Group, Currency, and BP Currency.

- The Item Placement Options screen will load with the information for the reference control item entered into the **Reference Control ID** field.



Automatically referencing the control item **does not** prevent the user from clicking the ... button and manually selecting a different reference control. For additional information on the manual reference process, refer to the **How To Manually Reference a Control During Item Placement** section.

How To Manually Reference a Control During Item Placement

During the Item Placement process, it is necessary to designate a reference control on the form that will serve as an anchor point for the placement of the new item. This section will describe the process of manually referencing an item during this process.



This example is for the **Business Partner Master Data** screen.

- Click the SAP menu option titled **Business Partner Master Data** under the **Business Partner** menu to load the **Business Partner Master Data** screen.
- Select the **New Item** option from the **APP Customizer** menu group option from the right-click menu on the form. Select the option for the type of item to be added to the form.

The screenshot shows the 'Business Partner Master Data' form. The 'APP Customizer' menu is open, showing options like 'Form Properties', 'UDF', 'New Item', 'Display Field Properties', 'Item Placement Configurator', 'Set Tab order', and 'Set Mandatory fields'. The 'New Item' option is highlighted, and a sub-menu is visible with 'Text box', 'Label', 'Tab', and 'Button'.

- Click the ... button next to the **Reference Control ID** field.

The 'Item Placement Options' dialog box is shown. It has a 'Reference Control ID' field with a dropdown arrow. Below it, there are four buttons: 'Left', 'Right', 'Above', and 'Below'. At the bottom, there are 'OK' and 'Cancel' buttons.

The 'System Message' dialog box is shown. It contains the text 'Please select a reference item.' and an 'OK' button.

- Select the item on the form that you want to use as the Reference Control item. The unique ID value for the selected item will be placed in the **Reference Control ID** field of the placement form.

The screenshot shows the 'Business Partner Master Data' form with the 'Item Placement Options' dialog box open. The 'Reference Control ID' field in the dialog box now contains the value '149', which is the 'Reference Item UID' of the selected 'Opportunities' item. An arrow points from the text 'Click the Reference Control Item' to the 'Opportunities' item in the background form. The 'Reference Item UID' is also visible in the dialog box. At the bottom of the main form, a status bar indicates 'Reference Item selected'.

How To Place a New Item on Form

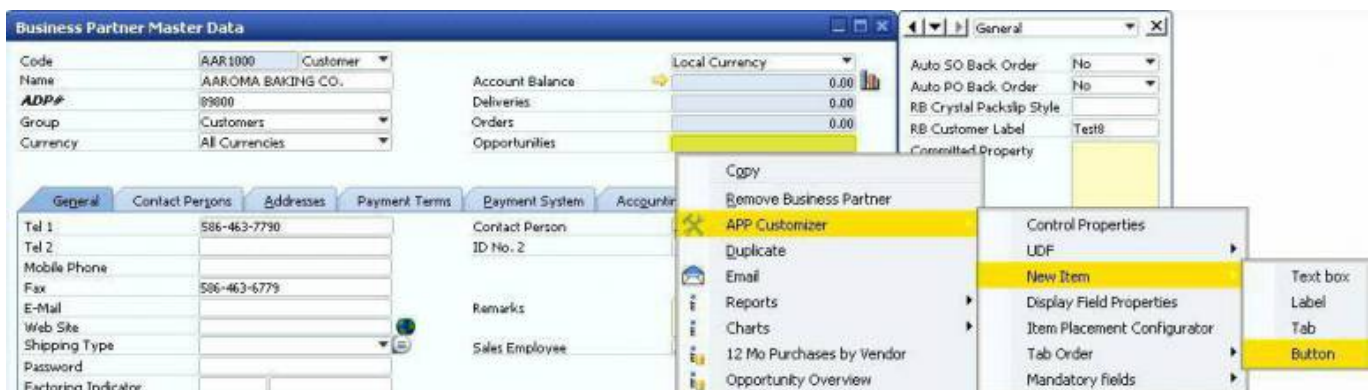


This example is for the **Business Partner Master Data** screen and utilizes the automatic control reference process.

- Click the SAP menu option titled **Business Partner Master Data** under the **Business Partner** menu to load the **Business Partner Master Data** screen.
- Determine the item that you want to use as the reference control item (**Opportunities** field for this example).
- Select the **New Item** option from the **APP Customizer** menu group option from the right-click menu on the form. Select the option for the type of item to be added to the form.



Current options are text box, label, tab, or button.



- The unique ID value for the selected reference control item will be placed in the **Reference Control ID** field of the placement form. Select the location (in regards to the reference control item) where you want the item to be placed. Available options are...
 - **Left**
 - **Right**
 - **Above**
 - **Below**
- Click the **OK** button.



- The **Item Properties/Events** screen for the newly positioned item will load.

Business Partner Master Data

Code Manual C20000 Customer

Item Properties/Events

Form 134 ☒ Active

Item UID TwBS_BN2

Item Type BUTTON

Column UID

Local Currency 97,188.75
1,168.65
7,528.65
6

New Item

Properties Remarks Attachments

Norm Thompson

Sales Manager

Apply Apply & Close Close

OK Cancel

You Can Also

Item Placement Options

Behavior ☒ Enable ☒ Visible

Appearance ☐ Bold ☐ Italic

Left 470

Top 85

Width 75

Height 19

Caption Copy BP Address

Panelevel 0

From pane 0 0

Group with

ForeColor -1

BackColor -1

Applicable Users

☐ Exclude Selected Items

- Edit any properties that need to be altered.
- Click the **Save** or **Save & Close** button.
- The new item will be displayed on the form.

How To Place a New Tab on Form



This example is for the **Activity** screen.

- Click the SAP menu option titled **Business Partner Master Data** under the **Business Partner** menu to load the **Business Partner Master Data** screen.
- Select the **Tab** option from the **APP Customizer** ➔ **New Item** menu group option from the right-click menu on the form.



The right-click menu should be launched while the mouse is on top of the tab to the left of the position where you want the new tab to be added on the form.

- The **Item Properties/Events** screen for the new tab item will load.

Item Properties/Events

Form: 651
 Item UID: TWBS_FD2
 Item Type: FOLDER
 Column UID:
☒ Active

Properties | Events

Left: 122
 Top: 113
 Width: 80
 Height: 20
 Caption: TWBS Custom
 Panelevel: 902
 From pane: 0
 Group with: 24-&Content
 ForeColor: -1
 BackColor: -1
 Applicable Users:
☐ Exclude Selected Items

Item Placement Options
 Behavior: ☒ Enable, ☒ Visible
 Appearance: ☐ Bold, ☐ Italic

Apply Apply & Close Close

- Edit any properties that need to be altered.
- Click the **Save** or **Save & Close** button.
- The new tab will be displayed on the form.

Activity

Activity: Phone Call
 Type: General
 Subject:
 Assigned To: manager
☐ Personal
 Number: 30671
 BP Code:
 BP Name:
 Contact Person:
 Telephone No.:
 General | **TWBS Custom** | Content | Linked Document | Attachments

Reference Item

Add Cancel

- Once the tab has been added to the form, other objects can be added. Please refer to the **How**

To Place a New Item on Form section of the user guide.

- Here is an example of some labels, text boxes, and a button added to a custom tab.

The screenshot shows the 'Activity' form in SAP. The top section contains standard fields: Activity (Phone Call), Type (General), Subject, Assigned To (manager), Number (30671), BP Code, BP Name, Contact Person, and Telephone No. Below these is a tabbed interface with tabs for General, TWBS Custom, Content, Linked Document, and Attachments. The 'TWBS Custom' tab is active, displaying a large text area containing 'Text Box #1', 'Reference Item', 'Text Box #2', and a 'Test Button'. At the bottom of the form are 'Add' and 'Cancel' buttons.

How To Place a User Defined Field on Form



This example is for the **Business Partner Master Data** screen and utilizes the automatic control reference process.

- Click the SAP menu option titled **Business Partner Master Data** under the **Business Partner** menu to load the **Business Partner Master Data** screen.
- Determine the item that you want to use as the reference control item (**El. Doc. Export Format** field for this example).
- Select the user defined field option to be added to the form (**rbLbIUse** in example) from the **APP Customizer -UDF** menu group option from the right-click menu on the form.

The screenshot shows the 'Business Partner Master Data' window. On the left is a list of fields including Code, Name, ADP#, Group, Currency, Federal Tax ID, Tel 1, Tel 2, Mobile Phone, Fax, E-Mail, Web Site, Shipping Type, Password, Factoring Indicator, Project, Industry, and Business Partner Type. The 'General' tab is selected. A context menu is open over the 'Form Properties' section, with 'UDF' highlighted. A sub-menu is also open, showing a list of user-defined fields (UDFs) with 'rbLbUse - RB Customer Label' highlighted. Other UDFs include 'rbOkSoBo - Auto SO Back Order', 'rbOkPoBo - Auto PO Back Order', 'rbPckSlp - RB Crystal Packslip Style', 'TEG_FC_Committed - Committed Property', 'TEG_FC_Delivered - Delivered Property', 'TEG_FC_Lead - Lead Property', 'A1WMS_AllowPO - Allow PO Backorders?', and 'A1WMS_AllowSO - Allow SO Backorders?'. The main form fields include 'Account Balance', 'Deliveries', 'Orders', 'Opportunities', 'Payment System', 'Accounting', 'Properties', 'Remarks', 'Contact Person', 'ID No. 2', 'Sales Employee', and 'Delivered Property'.

- Select the location (in regards to the Reference Control item) where you want the user defined field to be placed. Available options are...
 - **Left**
 - **Right**
 - **Above**
 - **Below**
- Click the **OK** button.

The screenshot shows the 'Item Placement Options' dialog box. It has a 'Reference Control ID' field with the value '480002077'. Below the field is the text 'Please specify the location of the new item.' and four buttons: 'Left', 'Right', 'Above', and 'Below'. At the bottom are 'OK' and 'Cancel' buttons.

- The field to represent the selected user-defined field will now be placed on the form at the location that was selected.

The screenshot shows the 'Business Partner Master Data' window with the 'General' tab selected. The 'RB Customer Label' field is highlighted and contains the value 'Test'. Other fields visible include 'Territory', 'El. Doc. Export Format', and 'Auto SO Back Order'.



Updates to the value on either the form-placed user-defined field or the UDF tab field will be reflected in all fields on update.

How To Edit an Existing Item on Form - Standard SAP Item

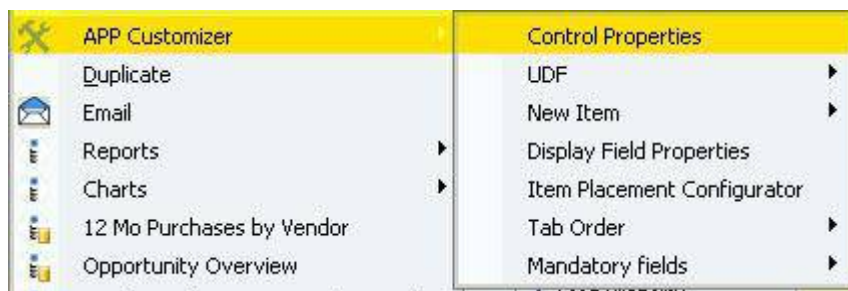


This example is for the **Business Partner Master Data** screen.

- Click the SAP menu option titled **Business Partner Master Data** under the **Business Partner** menu to load the **Business Partner Master Data** screen.
- Select the **Control Properties** option from the **APP Customizer** menu group option from the right-click menu on the form.



The right-click from the form should be performed while the cursor is on the item on the form.



- The **Item Properties/Events** screen will load with the information for the item that is to be edited.
- Edit any information to be changed about the item.

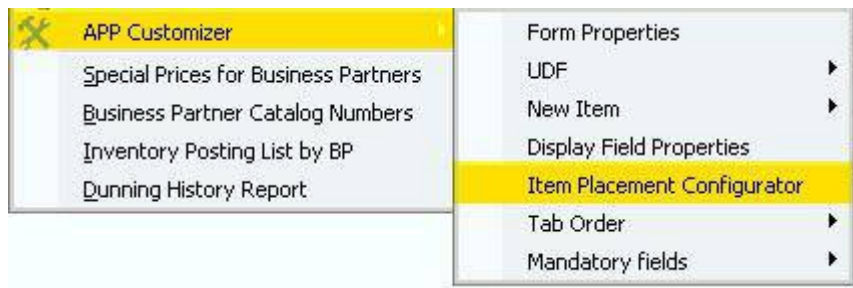
- Click the **Save** or **Save & Close** button.
- Changes to the item will be reflected on the form.

How To Edit an Existing Item on Form - Custom Item



This example is for the **Business Partner Master Data** screen.

- Click the SAP menu option titled **Business Partner Master Data** under the **Business Partner** menu to load the **Business Partner Master Data** screen.
- Select the **Item Placement Configurator** option from the **APP Customizer** menu group option from the right-click menu on the form.



- Determine the item that you want to edit the properties for. Click the ****Edit**** button on the line for that item on the ****Item** **Configurator**** screen.

Item Configurator

134 - Business Partner Master DataD

	UserList	Item UID	Item Type	Caption/Field	Column UID			
		2	Button	Cancel		Edit	Remove	Clone
		TwBS_BN1	Button	Report Defn.		Edit	Remove	Clone
▶		TwBS_BN2	Button	Copy BP Address		Edit	Remove	Clone

Copy To

Close

- The **Item Properties/Events** screen will load with the information for the item that is to be edited.
- Edit any information to be changed about the item.

- Click the **Save** or **Save & Close** button.
- Changes to the item will be reflected on the form.

How To Edit an Existing Item on Form - User Defined Field



This example is for the **Business Partner Master Data** screen.

- Click the SAP menu option titled **Business Partner Master Data** under the **Business Partner** menu to load the **Business Partner Master Data** screen.
- Select the **Control Properties** option from the **APP Customizer** menu group option from the right-click menu on the form.

{



The right-click from the form should be performed while the cursor is on the user defined field or label on the form.



- The **Item Properties/Events** screen will load with the information for the user-defined field or label that is to be edited.

Item Properties/Events

Form	134	☒ Active
Item UID	TWBS_ST1	
Item Type	STATIC	
Column UID		

Properties | Events

Left	340	Item Placement Options
Top	337	
Width	147	
Height	14	
Caption	RB Customer Label	Behavior ☐ Enable ☒ Visible
Panelevel	0	
From pane	1	Appearance ☐ Bold ☐ Italic
Group with		
ForeColor	-1	...
BackColor	-1	...
Applicable Users		...

☐ Exclude Selected Items

Apply Apply & Close Close

- Edit any information to be changed about the item.

Item Properties/Events

Form	134	☒ Active
Item UID	TWBS_ST1	
Item Type	STATIC	
Column UID		

Properties | Events

Left	340	Item Placement Options
Top	337	
Width	147	Behavior
Height	14	
Caption	RB Customer Label (Form)	☐ Enable
Panelevel	0	☒ Visible
From pane	1	Appearance
Group with		
ForeColor	-1	☐ Bold
BackColor	-1	☐ Italic
Applicable Users		

☐ Exclude Selected Items

Apply Apply & Close Close

- Click the **Save** or **Save & Close** button.
- Changes to the item will be reflected on the form.

EN Docu Export Formulas

RB Customer Label (Form)	Test8

How To Change Visibility of a Standard SAP Item



This example is for the **Business Partner Master Data** screen.

- Click the SAP menu option titled **Business Partner Master Data** under the **Business Partner** menu to load the **Business Partner Master Data** screen.
- Select the **Control Properties** option from the **APP Customizer** menu group option from the right-click menu on the form.



The right-click from the form should be performed while the cursor is on the item on the form.

Business Partner Master Data

Code: 123 Customer
 Name: test
 ADP#:
 Group: ACH
 Currency: US Dollar
 Federal Tax ID:
 Account Balance: 0.00
 Deliveries: 0.00
 Orders: 0.00
 Opportunities:
 Copy BP Address

General Contact Person Accounting Properties Remarks

Tel 1:
 Tel 2:
 Mobile Phone: 201
 Fax:
 E-Mail:
 Web Site:
 Shipping Type:
 Password:
 Factoring Indicator:
 Project:
 Industry:
 Business Partner Type: Cor

Alias Name:
 From: To: Remarks:
☐ Active
☐ Inactive
☐ Advanced

OK Cancel Unrelated Service Calls Activity Related Activities

Paste
 Remove Business Partner
 APP Customizer
 Duplicate
 Email
 Reports
 Charts
 12 Mo Purchases by Vendor
 Opportunity Overview
 Purchases by Item Group for Vendor
 Sales by Customer
 Sales by Period
 Sales by Period Current Year
 Sales by Period Prior Year
 Special Prices for Business Partners
 Business Partner Catalog Numbers
 Inventory Posting List by BP
 Dunning History Report

Control Properties
 UDF
 New Item
 Display Field Properties
 Item Placement Configurator
 Tab Order
 Mandatory fields

- The **Item Properties/Events** screen will load with the information for the item that is to be made not visible.

Item Properties/Events

Form	134	☒ Active
Item UID	41	
Item Type	EDIT	
Column UID		

PropertiesEvents

Left	139	Item Placement Options
Top	82	
Width	143	Behavior
Height	14	
Caption		☒ Enable
Panelevel	0	☐ Visible
From pane	0 0	Appearance
Group with		
ForeColor		☐ Bold
BackColor		☐ Italic
Applicable Users		

☐ Exclude Selected Items

Apply

Apply & Close

Close

- Change the visible property of the item by unchecking the **Visible** checkbox.
- Click the **Save** or **Save & Close** button.
- The item edited will be removed from the form.

Business Partner Master Data

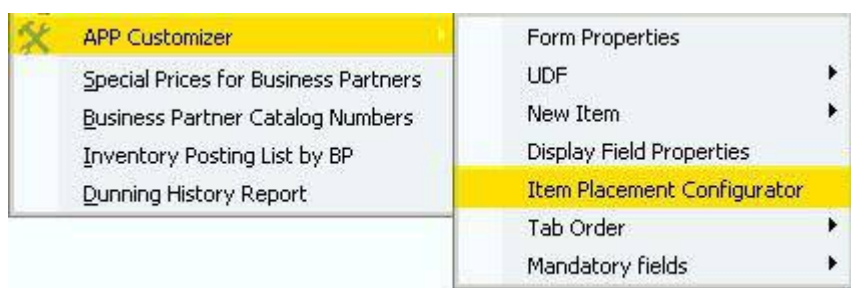
Code: 123 Customer: Customer
 Name: test
 ADP#:
 Group: ACH
 Currency: US Dollar
 Local Currency:
 Account Balance: 0.00
 Deliveries: 0.00
 Orders: 0.00
 Opportunities:
 Copy BP Address

General | Contact Persons | Addresses | Payment Terms | Payment System | Accounting | Properties | Remarks

Tel 1:
 Tel 2:
 Mobile Phone: 201450-7665
 Fax:
 E-Mail:
 Web Site:
 Shipping Type:
 Password:
 Factoring Indicator:
 Project:
 Industry:
 Business Partner Type: Company

Contact Person:
 ID No. 2:
 Remarks:
 Sales Employee: -No Sales Employee-
 BP Channel Code:
 Technician:
 Territory:
 El. Doc. Export Format:
 RB Customer Label (Form):
 Alias Name:
 Active ☒ Inactive ☐ Advanced ☐
 From: To: Remarks:
 OK Cancel Unrelated Service Calls Activity Related Activities

- To restore the visibility of the item, select the **Item Placement Configurator** option from the **APP Customizer** menu group option from the right-click menu on the form.



- Click the **Remove** button on the line for the item on the **Item Placement Configurator** screen.

Item Configurator

134 - Business Partner Master Data

UserList	Item UID	Item Type	Caption/Field	Column UID			
	51	Text Box	Cellular		Edit	Remove	Clone
	TwBS_BN6	Button	Copy BP Address		Edit	Remove	Clone
	1	Button	OK		Edit	Remove	Clone
	1	Button	Add		Edit	Remove	Clone
	1	Button	Find		Edit	Remove	Clone
	1	Button	Update		Edit	Remove	Clone
Administration;	1	Button	OK		Edit	Remove	Clone
	TwBS_ET1	Text Box			Edit	Remove	Clone
	TwBS_ST1	Label	RB Customer Lab...		Edit	Remove	Clone
	271	Button	Unre&lated Servi...		Edit	Remove	Clone
	41	Text Box	LicTradNum		Edit	Remove	Clone

Copy To Close

- Click the **Close** button.



The form must be closed and reopened in order for the item to reappear on the form.

How To Change Panes of a Standard SAP Item



This example is for the **Business Partner Master Data** screen.

- Click the SAP menu option titled **Business Partner Master Data** under the **Business Partner** menu to load the **Business Partner Master Data** screen.
- Select the **Control Properties** option from the **APP Customizer** menu group option from the right-click menu on the form.



The right-click from the form should be performed while the cursor is on the item on the form.

Business Partner Master Data

Code: AAC100 Vendor
 Name: AACT CHICAGO SECTION
 ADP#:
 Group: Indiana Sugars
 Currency: US Dollar

Account Balance: Local Currency 0.00

Copy BP Address

General Contact Persons Addresses Payment Terms Payment System Accounting Properties Remarks

Define New

Set as Default

Contact ID: Define New

First Name
 Title
 Middle Name
 Position
 Last Name
 Address
 Telephone 1
 Telephone 2
 Mobile Phone
 Fax
 E-Mail
 Pager
 Remarks 1
 Remarks 2
 Password
 CrystalWave Contact T...
 CrystalWave Report Deli...

☒ Active

Active
 Y [Form=134 Item=350001033 Pane=3 Variable=10 OCPR,Active]

OK Cancel Unrelated Service Calls Activity Related Activities

- The **Item Properties/Events** screen will load with the information for the item that is to have its pane display value changed.

Item Properties/Events

Form	134	☒ Active
Item UID	350001033	
Item Type	CHECK BOX	
Column UID		

PropertiesEvents

Left	322	Item Placement Options
Top	366	
Width	96	
Height	14	
Caption	Active	
Panelevel	0	Behavior
From pane	3	
Group with		☒ Enable
ForeColor		☒ Visible
BackColor		Appearance
Applicable Users		
☐ Exclude Selected Items		☐ Bold
		☐ Italic

ApplyApply & CloseClose

- Change the pane level properties of the item by setting the **From Pane** values.

Item Properties/Events

Form: 134
Item UID: 350001033
Item Type: CHECK BOX
Column UID:

☒ Active

Properties | **Events**

Left: 322
Top: 366
Width: 96
Height: 14
Caption: Active
Panelevel: 0
From pane: 7
Group with:
ForeColor:
BackColor:
Applicable Users:
☐ Exclude Selected Items

Item Placement Options

Behavior
☒ Enable
☒ Visible

Appearance
☐ Bold
☐ Italic

Apply Apply & Close Close

- Click the **Save** or **Save & Close** button.
- The item edited will be removed from the original pane of the form.

Business Partner Master Data

Code: AAC100 Vendor
Name: AACT CHICAGO SECTION
ADP#:
Group: Indiana Sugars
Currency: US Dollar

Account Balance: Local Currency 0.00

Copy BP Address

General Contact Persons Addresses Payment Terms Payment System Accounting Properties Remarks

Define New

Set as Default

Contact ID Define New
First Name
Title
Middle Name
Position
Last Name
Address
Telephone 1
Telephone 2
Mobile Phone
Fax
E-Mail
Pager
Remarks 1
Remarks 2
Password
CrystalWave Contact T...
CrystalWave Report Deli...

OK Cancel Unrelated Service Calls Activity Related Activities

- The item edited will be displayed on the new pane of the form.

Business Partner Master Data

Code: AAC100 Vendor:
 Name: AACT CHICAGO SECTION
 ADP#
 Group: Indiana Sugars
 Currency: US Dollar
 Account Balance: Local Currency 0.00

Copy BP Address

General Contact Persons **Addresses** Payment Terms Payment System Accounting Properties Remarks

Pay to **AACT CHICAGO SECTION**
 Define New
Ship to
 Define New

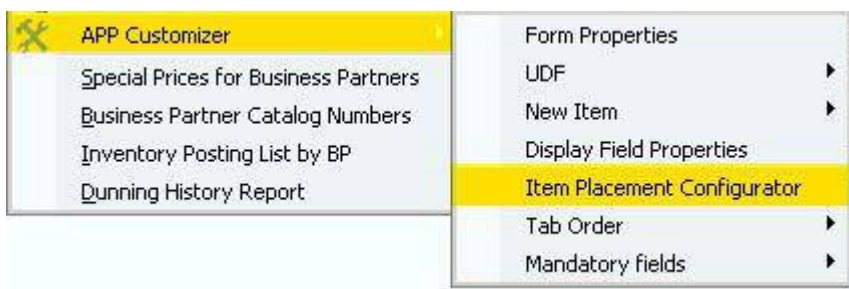
Pay to Show Location in Web Browser
 Address ID: AACT CHICAGO SECTION
 Street / PO Box: C/O JONI STERN, STERN INGR
 Block: 338 WEST OAKDALE
 City: CHICAGO
 Zip Code: 60657
 County:
 State: Illinois
 Country: USA
 Email Address:
 Street No.:
 Phone Number:
 Building/Floor/Room:
 >>

Set as Default

☒ Active
 Active
 Y [Form=134 Item=350001033 Pane=7 Variable=10 OCPR,Active]

OK Cancel Unrelated Service Calls Activity Related Activities

- To restore the original pane of the item, select the **Item Placement Configurator** option from the **APP Customizer** menu group option from the right-click menu on the form.



- Click the **Remove** button on the line for the item on the **Item Placement Configurator** screen.

UserList	Item UID	Item Type	Caption/Field	Column UID			
	51	Text Box	Cellular		Edit	Remove	Clone
	TwBS_BN6	Button	Copy BP Address		Edit	Remove	Clone
	1	Button	OK		Edit	Remove	Clone
	1	Button	Add		Edit	Remove	Clone
	1	Button	Find		Edit	Remove	Clone
	1	Button	Update		Edit	Remove	Clone
Administration;	1	Button	OK		Edit	Remove	Clone
	TwBS_ET1	Text Box			Edit	Remove	Clone
	TwBS_ST1	Label	RB Customer Lab...		Edit	Remove	Clone
	271	Button	Unre&lated Servi...		Edit	Remove	Clone
	41	Text Box	LicTradNum		Edit	Remove	Clone

- Click the **Close** button.



important boxThe form must be closed and reopened in order for the item to reappear on the form.

How To Copy a Placed Item to Another Form



This example is for the **Business Partner Master Data** screen.

- Click the SAP menu option titled **Business Partner Master Data** under the **Business Partner** menu to load the **Business Partner Master Data** screen.
- Select the **Item Placement Configurator** option from the **APP Customizer** menu group option from the right-click menu on the form.

- Determine the item that you want to copy to another form. Highlight the line for that item(s) on the **Item Configurator** screen.
- Click the **Copy To** button.

Item Configurator

134 - Business Partner Master Data

UserList	Item UID	Item Type	Caption/Field	Column UID			
	51	Text Box	Cellular		Edit	Remove	Clone
▶	TwBS_BN6	Button	Copy BP Address		Edit	Remove	Clone
	1	Button	OK		Edit	Remove	Clone
	1	Button	Add		Edit	Remove	Clone
	1	Button	Find		Edit	Remove	Clone
	1	Button	Update		Edit	Remove	Clone
Administration;	1	Button	OK		Edit	Remove	Clone
	TwBS_ET1	Text Box			Edit	Remove	Clone
	TwBS_ST1	Label	RB Customer Lab...		Edit	Remove	Clone
	271	Button	Unrelated Servi...		Edit	Remove	Clone

Copy To Close

- The List of Forms screen will load to allow the selection of the destination form for the copied item(s).

List of Forms

FormType	FormTitle
712	Rates -setup
721	Receipt From Production
60173	Relationships-setup
▶ 139	Sales Order
180	Sales Return
713	Sales Tax Jurisdiction types-setup
320	SalesOpportunity
666	SalesPersons -setup
733	SalesStages

OK Cancel

- Click the **OK** button.
- Click the SAP menu option titled **Sales Order** under the **Sales - A/R** menu to load the **Sales Order** screen.
- The copied item(s) will be placed on the destination form.



The properties of the newly copied item on the destination form will in most cases need to be edited for position, height, width, etc.

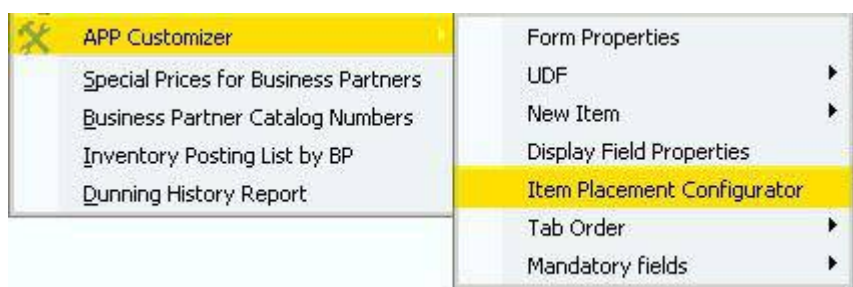
How To Remove a Placed Item on Form



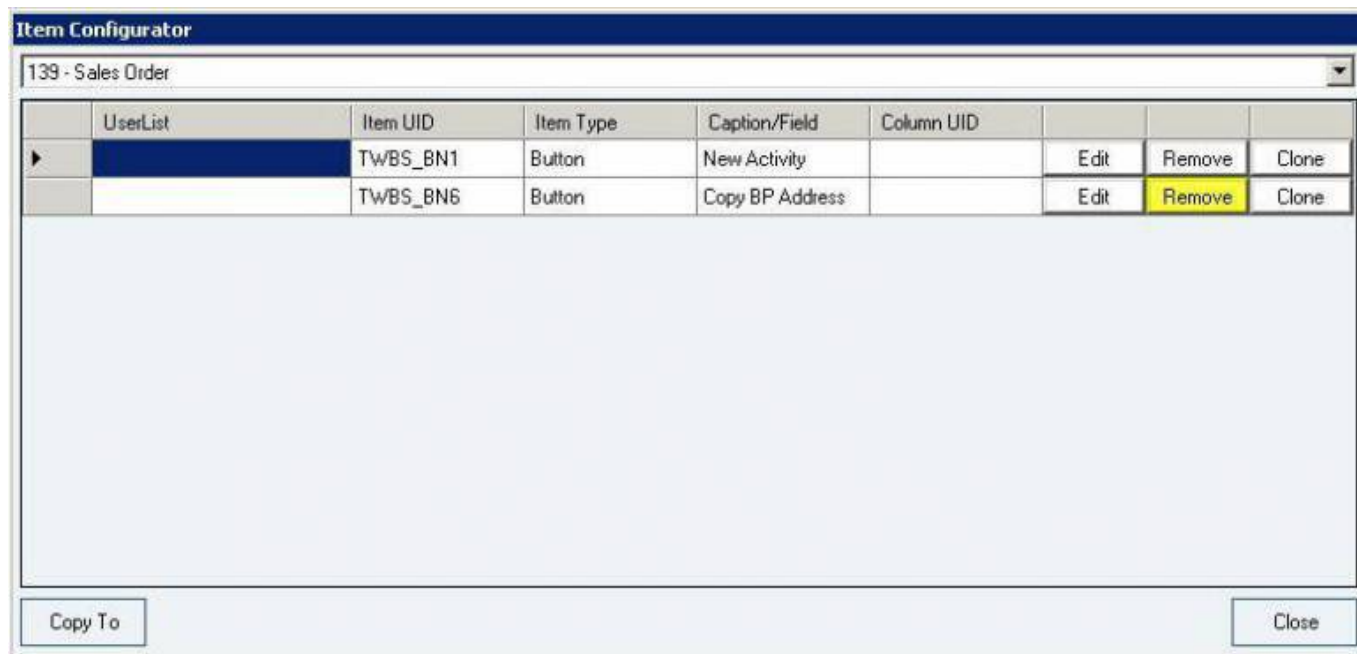
This example is for the **Sales Order** screen.

Note -

- Click the SAP menu option titled **Sales Order** under the **Sales - A/R** menu to load the **Sales Order** screen.
- Select the **Item Placement Configurator** option from the **AP Customizer** menu group option from the right-click menu on the form.



- Determine the item that you want to remove from the form. Click the **Remove** button on the line for that item on the **Item Configurator** screen.



The screenshot shows the 'Item Configurator' window for form '139 - Sales Order'. It contains a table with the following data:

	UserList	Item UID	Item Type	Caption/Field	Column UID			
▶		TwBS_BN1	Button	New Activity		Edit	Remove	Clone
		TwBS_BN6	Button	Copy BP Address		Edit	Remove	Clone

At the bottom of the window, there are 'Copy To' and 'Close' buttons.

- Click the **Close** button.



The form must be closed and reopened in order for the item removal to take effect.

Process Rules

Process Rules functionality allows the user to add field validations and procedure executions to enhance any SAP® Business One forms or UI-based add-on application screens without the use of programming knowledge.

How To Auto-Record a Macro



This example is for the **Business Partner Master Data** screen.



The macro editor will **only** support actions against screens where there are **not** multiple instances of that screen open in SAP® Business One when the macro is being performed. For example, a macro that performs an action against form #139 (the Sales Order form)



should **only** be performed with one Sales Order form window open.

- Click the SAP menu option titled **Business Partner Master Data** under the **Business Partner** menu to load the **Business Partner Master Data** screen.
- Determine the item that you want to establish process rules for (**Create Order** button for this example).



The right-click menu should be launched while the mouse is on top of the item.

- Select the **Control Properties** option from the **APP Customizer** menu group option from the right-click menu on the form to load the **Item Properties/Events** screen.

Event	Define	Remove
CLICK	Define	
COMBO SELECT	Define	
DOUBLE CLICK	Define	
GOT FOCUS	Define	
ITEM PRESSED	Define	
KEY DOWN	Define	
LOST FOCUS	Define	
MATRIX LINK PRESSED	Define	
PICKER CLICKED	Define	
VALIDATE	Define	

Buttons: Apply, Apply & Close, Close

- Select the **Events** tab.
- Click the **Define** button on the Event that you want to record the process rules macro for. This will launch the **Process Rules Event Handler** screen.

Event Handler

☒ Active ☐ Show selected procedures

Event Description: Launch Order from BP

Event: et_CLICK

Form Type: 134

Item UID: TWBS_BN1

Applicable Users: ...

☐ Exclude Selected Items

☒ No Validation

Execute Procedure: None

☐ Simple Validation

Source Field:

Operation: Equal

Source Value:

Execute Procedure: None

☐ Query Validation

SQL:

	Value	Procedure
*		

Inner Event

☐ True

☐ False

☒ Both

Before Action

☐ True

☒ False

Action Success

☒ True

☐ False

☒ Allow Action

☐ Stop Action

FIND MODE ☐

OK MODE ☒

UPDATE MODE ☒

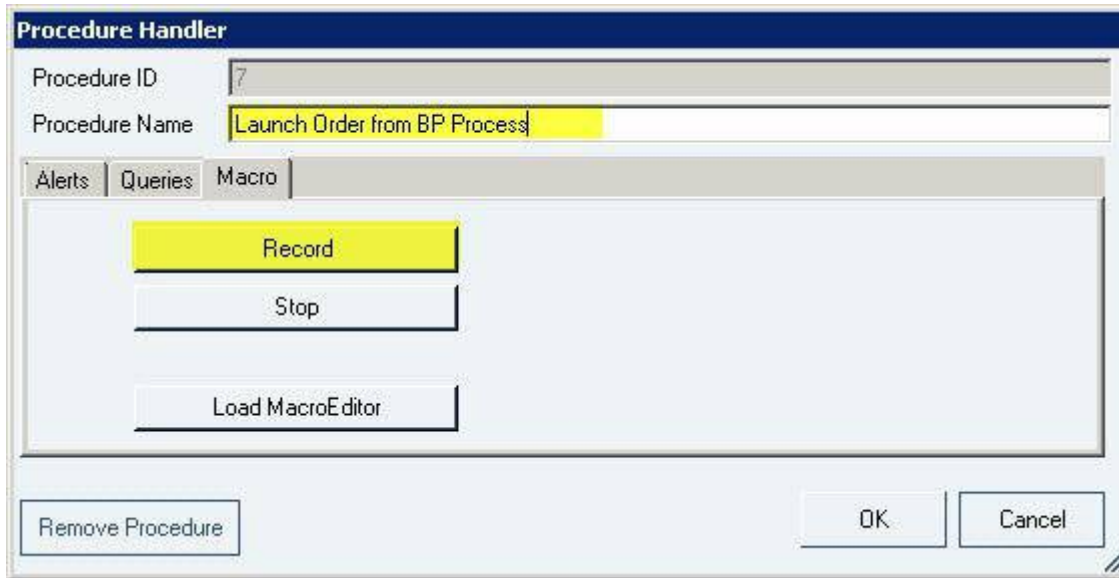
ADD MODE ☒

VIEW MODE ☐

PRINT MODE ☐

EDIT MODE ☐

- Enter an **Event Description** value for the event.
- Select the validation level option (**No Validation** option selected for this example).
- Click the **Define New** option from the **Procedure** drop down. This will launch the **Procedure Handler** screen.



The screenshot shows a 'Procedure Handler' window. At the top, there's a title bar. Below it, 'Procedure ID' is set to '7' and 'Procedure Name' is 'Launch Order from BP Process'. There are three tabs: 'Alerts', 'Queries', and 'Macro', with 'Macro' being the active tab. Inside the 'Macro' tab, there are three buttons: 'Record' (highlighted in yellow), 'Stop', and 'Load MacroEditor'. At the bottom left is a 'Remove Procedure' button, and at the bottom right are 'OK' and 'Cancel' buttons.

- Click the **Record** button.
- Perform the steps in SAP® Business One that you want to be recorded into the macro.



The Auto-Record function has limited support for opening forms and copying of data from field to field using the right-click menu option at this time.

- To copy the value from a field, select the **Copy Item** option from the **APP Customizer** menu group option from the right-click menu on the form.

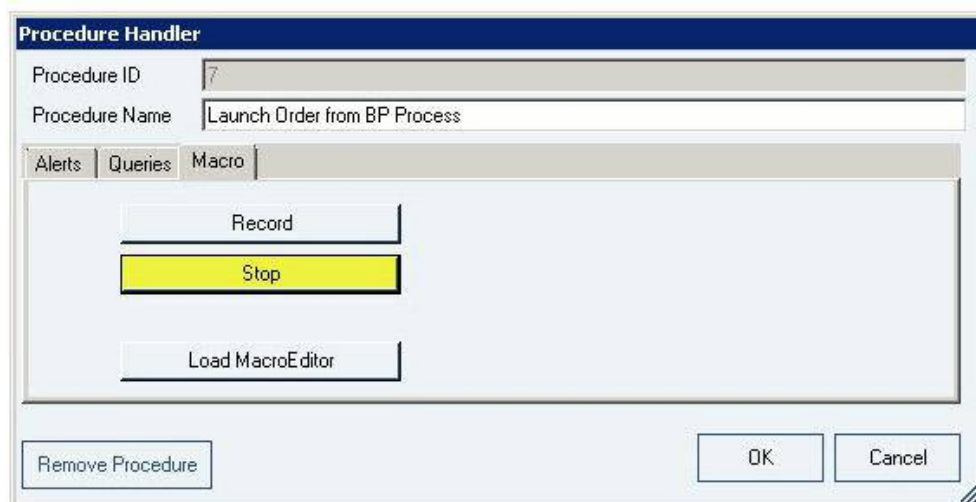


The right-click menu should be launched while the mouse is on top of the field to copy.

- To paste a copied value into a field, select the **Paste Item** option from the **APP Customizer** menu group option from the right-click menu on the form.



The right-click menu should be launched while the mouse is on top of the field the value is being pasted into.



Procedure Handler

Procedure ID: 7

Procedure Name: Launch Order from BP Process

Alerts | Queries | **Macro**

Record

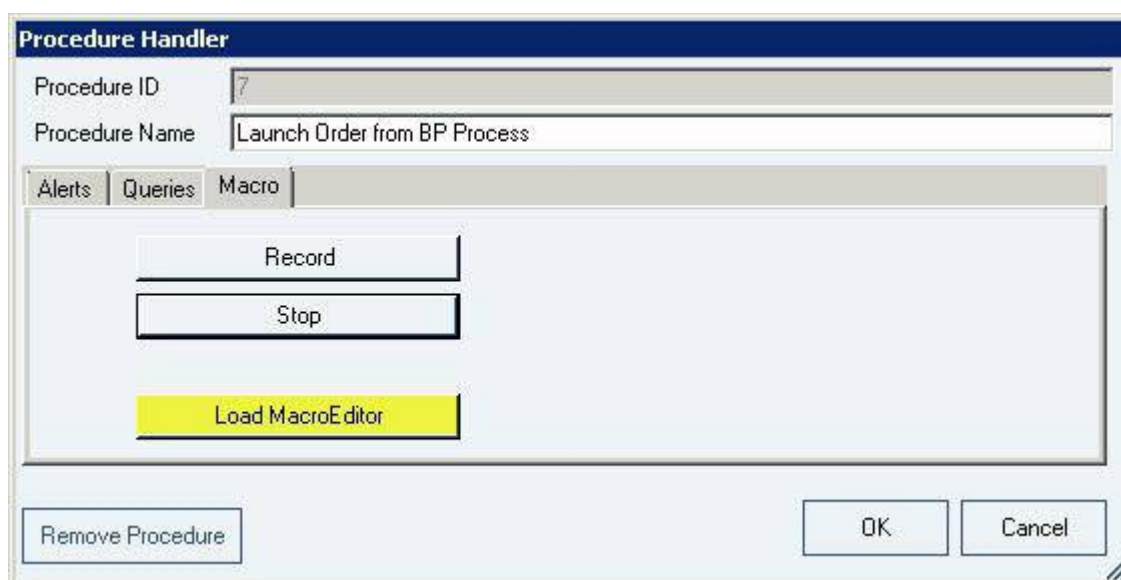
Stop

Load MacroEditor

Remove Procedure

OK Cancel

- Click the **Stop** button.



Procedure Handler

Procedure ID: 7

Procedure Name: Launch Order from BP Process

Alerts | Queries | **Macro**

Record

Stop

Load MacroEditor

Remove Procedure

OK Cancel

- To view or manually edit the recorded macro, click the **Load Macro Editor** button. This will launch the **Macro Editor** screen.



For more information on manually editing a macro, refer to the **How To Manually Setup a Macro** section of the user guide.

Macro Editor

	Action Types	Form TypeEx	Menu ID	Variable	Item UID	Column	Row	Value	Comments	Active
▶	MenuClick	139	2050				0			☒
	ItemClick	139			38	257	1			☒
	ItemClick	139			38	1	1			☒
	SendKeys	139			38	1	1	{TAB}		☒
	ItemClick	139			38	1	2			☒
	SendKeys	139			38	1	2	{TAB}		☒
	ItemClick	139			38	11	2			☒

Save Save & Close Cancel

- The **Macro Editor** screen will display each step in the macro.

Procedure Handler

Procedure ID: 7

Procedure Name: Launch Order from BP Process

Alerts | Queries | Macro

Record

Stop

Load MacroEditor

Remove Procedure OK Cancel

- Click the **OK** button on the **Procedure Handler** screen.

Event Handler

☒ Active
 ☐ Show selected procedures

Event Description

Launch Order from BP

Event

et_CLICK

Form Type

134

Item UID

TwBS_BN1

Applicable Users

☐ Exclude Selected Items

☒ No Validation

Execute Procedure

7-Launch Order from BP Process

☐ Simple Validation

Source Field

Operation

Equal

Source Value

Execute Procedure

None

☐ Query Validation

SQL

	Value	Procedure	
*			

Inner Event

☐ True
 ☐ False
 ☒ Both

Before Action

☐ True
 ☒ False

Action Success

☒ True
 ☐ False

☒ Allow Action

☐ Stop Action

☐ FIND MODE

☒ OK MODE

☒ UPDATE MODE

☒ ADD MODE

☐ VIEW MODE

☐ PRINT MODE

☐ EDIT MODE

- Click the **Save & Close** button on the **Process Rules Event Handler** screen.

Item Properties/Events

Form

134

Item UID

TwBS_BN1

Item Type

BUTTON

Column UID

☒ Active

Properties

Events

Event	Define	Remove
CLICK	Edit	Remove
COMBO SELECT	Define	
DOUBLE CLICK	Define	
GOT FOCUS	Define	
ITEM PRESSED	Define	
KEY DOWN	Define	
LOST FOCUS	Define	
MATRIX LINK PRESSED	Define	
PICKER CLICKED	Define	
VALIDATE	Define	

Apply

Apply & Close

Close

- Click the **Save & Close** button on the **Item Properties/Events** screen.

How To Manually Setup a Macro



This example is for the **Business Partner Master Data** screen.



The macro editor will **only** support actions against screens where there are **not** multiple instances of that screen open in SAP® Business One when the macro is being performed. For example, a macro that performs an action against form #139 (the Sales Order form) should **only** be performed with one Sales Order form window open.

- Click the SAP menu option titled **Business Partner Master Data** under the **Business Partner** menu to load the **Business Partner Master Data** screen.
- Determine the item that you want to establish process rules for (**Create Order** button for this example).





The right-click menu should be launched while the mouse is on top of the item.

The screenshot shows the 'Business Partner Master Data' form. The 'General' tab is selected. A right-click menu is open over the 'Create Order' button. The menu includes options: 'Copy', 'Remove Business Partner', 'APP Customizer' (highlighted), 'Duplicate', 'Email', and 'Control Properties' (highlighted). The 'Control Properties' option is further expanded to show 'UDF' and 'New Item'.

- Select the **Control Properties** option from the **APP Customizer** menu group option from the right-click menu on the form to load the **Item Properties/Events** screen.

The screenshot shows the 'Item Properties/Events' screen. The 'Form' is 134, 'Item UID' is TwBS_BN1, 'Item Type' is BUTTON, and 'Column UID' is empty. The 'Active' checkbox is checked. The 'Events' tab is selected, showing a list of events with 'CLICK' selected and the 'Define' button highlighted.

Event	Define	Remove
CLICK	Define	
COMBO SELECT	Define	
DOUBLE CLICK	Define	
GOT FOCUS	Define	
ITEM PRESSED	Define	
KEY DOWN	Define	
LOST FOCUS	Define	
MATRIX LINK PRESSED	Define	
PICKER CLICKED	Define	
VALIDATE	Define	

Buttons at the bottom: Apply, Apply & Close, Close.

- Select the **Events** tab.
- Click the **Define** button on the Event that you want to record the process rules macro for. This will launch the **Process Rules Event Handler** screen.

Event Handler

☒ Active
 ☐ Show selected procedures

Event Description

Launch Order from BP

Event

et_CLICK

Form Type

134

Item UID

TwBS_BN1

Applicable Users

☐ Exclude Selected Items

☒ No Validation

Execute Procedure

7-Launch Order from BP Process

☐ Simple Validation

Source Field

Operation

Equal

Source Value

Execute Procedure

None

☐ Query Validation

SQL

	Value	Procedure	
*			

Inner Event

☐ True
 ☐ False
 ☒ Both

Before Action

☐ True
 ☒ False

Action Success

☒ True
 ☐ False

☒ Allow Action
 ☐ Stop Action

☐ FIND MODE
 ☒ OK MODE
 ☒ UPDATE MODE
 ☒ ADD MODE
 ☐ VIEW MODE
 ☐ PRINT MODE
 ☐ EDIT MODE

- Click the **Edit** button beneath the procedure drop down. This will launch the **Procedure Handler** screen.

Procedure Handler

Procedure ID: 7

Procedure Name: Launch Order from BP Process

Alerts | Queries | **Macro**

Record

Stop

Load MacroEditor

Remove Procedure

OK Cancel

- To view or manually edit the recorded macro, click the **Load Macro Editor** button. This will launch the **Macro Editor** screen.

Macro Editor

	Action Types	Form TypeEx	Menu ID	Variable	Item UID	Column	Row	Value	Comments	Active
▶	MenuClick	139	2050				0			☒
	ItemClick	139			38	257	1			☒
	ItemClick	139			38	1	1			☒
	SendKeys	139			38	1	1	{TAB}		☒
	ItemClick	139			38	1	2			☒
	SendKeys	139			38	1	2	{TAB}		☒
	ItemClick	139			38	11	2			☒

Save Save & Close Cancel

- The **Macro Editor** screen will display each step in the macro.



This example is for the **Business Partner Master Data** screen. (**Insert Row** option selected for this example)

- To add or remove a row from the **Macro Editor**, highlight the row and use one of the following right-click menu options...
 - Add Row** - This will add a row to the end of the macro.
 - Insert Row** - This will insert a row to the macro **before** the selected row of the macro.
 - Delete Row** - This will remove the selected row from the macro.
 - Disable** - This will deactivate this row from the macro.

Action Types	Form TypeEx	Menu ID	Variable	Item UID	Column	Row	Value	Comments	Active
MenuClick	139	2050				0			☒
				38	257	1			☒
				38	1	1			☒
				38	1	1	{TAB}		☒
				38	1	2			☒
SendKeys	139			38	1	2	{TAB}		☒
ItemClick	139			38	11	2			☒
						-1			☒

Save Save & Close Cancel

- Edit the information for the row.

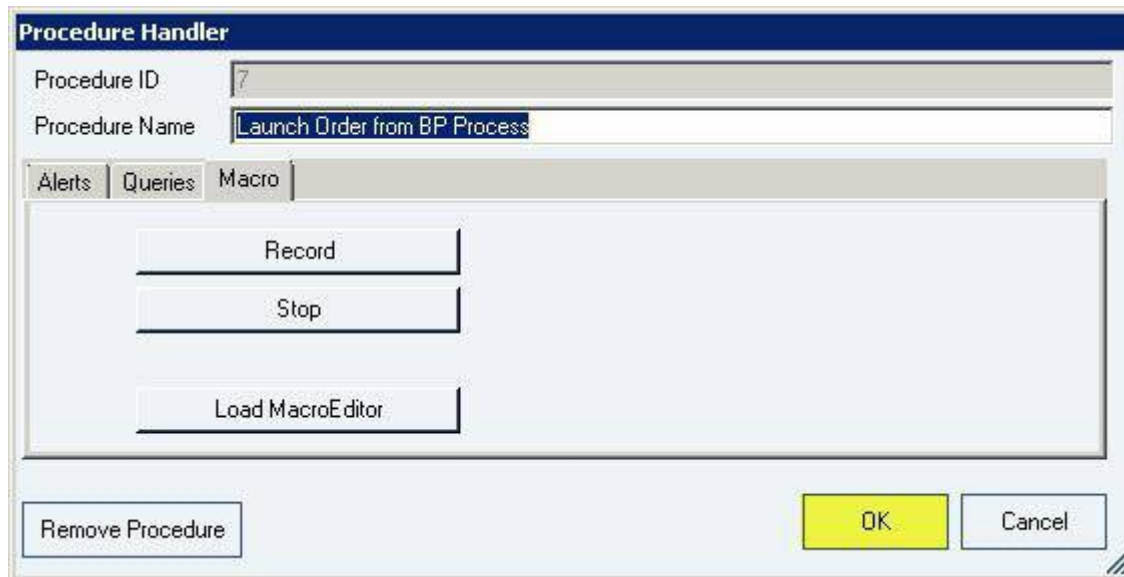


Optional information for the macro row will be colored in light yellow. Required information for the macro row will be colored in light red. Fields that are not required for the action type will be colored in light grey. For more information on the fields and data that are required for each action type, refer to the **Macro Editor** screen section of the user guide.

Action Types	Form TypeEx	Menu ID	Variable	Item UID	Column	Row	Value	Comments	Active
GetFieldVa...	134		Variable1	5		-1			☒
MenuClick	139	2050				0			☒
SetFieldVal...	139					-1			☒
ItemClick	139			38	257	1			☒
ItemClick	139			38	1	1			☒
SendKeys	139			38	1	1	{TAB}		☒
ItemClick	139			38	1	2			☒
SendKeys	139			38	1	2	{TAB}		☒
ItemClick	139			38	11	2			☒
						-1			☒

Save Save & Close Cancel

- Click the **Save & Close** button on the **Macro Editor** screen.



The screenshot shows a 'Procedure Handler' dialog box. It has a title bar with the text 'Procedure Handler'. Below the title bar, there are two input fields: 'Procedure ID' with the value '7' and 'Procedure Name' with the value 'Launch Order from BP Process'. Below these fields are three tabs: 'Alerts', 'Queries', and 'Macro'. The 'Macro' tab is selected. Inside the 'Macro' tab, there are three buttons: 'Record', 'Stop', and 'Load MacroEditor'. At the bottom of the dialog, there are three buttons: 'Remove Procedure', 'OK' (highlighted in yellow), and 'Cancel'.

- Click the **OK** button on the **Procedure Handler** screen.

Event Handler

☒ Active
 ☐ Show selected procedures

Event Description

Launch Order from BP

Event

et_CLICK

Form Type

134

Item UID

TwBS_BN1

Applicable Users

☐ Exclude Selected Items

☒ No Validation

Execute Procedure

7-Launch Order from BP Process

☐ Simple Validation

Source Field

Operation

Equal

Source Value

Execute Procedure

None

☐ Query Validation

SQL

	Value	Procedure	
*			...

Inner Event

☐ True
 ☐ False
 ☒ Both

Before Action

☐ True
 ☒ False

Action Success

☒ True
 ☐ False

☒ Allow Action
 ☐ Stop Action

☐ FIND MODE
 ☒ OK MODE
 ☒ UPDATE MODE
 ☒ ADD MODE
 ☐ VIEW MODE
 ☐ PRINT MODE
 ☐ EDIT MODE

- Click the **Save & Close** button on the **Process Rules Event Handler** screen.]]

Item Properties/Events

Form

134

Item UID

TwBS_BN1

Item Type

BUTTON

Column UID

☒ Active

Properties

Events

Event	Define	Remove
CLICK	Edit	Remove
COMBO SELECT	Define	
DOUBLE CLICK	Define	
GOT FOCUS	Define	
ITEM PRESSED	Define	
KEY DOWN	Define	
LOST FOCUS	Define	
MATRIX LINK PRESSED	Define	
PICKER CLICKED	Define	
VALIDATE	Define	

Apply

Apply & Close

Close

- Click the **Save & Close** button on the **Item Properties/Events** screen.

How To Use Multiple Event Instances



This example is for the **Item Master Data** screen.

- Click the SAP menu option titled **Item Master Data** under the **Inventory** menu to load the **Item Master Data** screen.
- Determine the item that you want to establish process rules for (**Fire Macro** button for this example).

Item Master Data

Item No. A00001 Bar Code ☒ Inventory Item

Description ☒ Sales Item

Foreign Name ☒ Purchase Item

Item Type ☐ Fixed Assets

Item Group

Price List Unit Price **Fire Macro**

General **Purchasing Data** **Sales Data** **Inventory Data** **Planning Data** **Properties** **Remarks** **Attachments**

☒ Tax Liabe **Production Data**
☐ Phantom Item
Issue Method

Manufacturer
Additional Identifier
Shipping Type

Serial and Batch Numbers
Manage Item by

☒ Active ☐ Inactive ☐ Advanced
From To Remarks

OK **Cancel**



The right-click menu should be launched while the mouse is on top of the item.

☐ Fixed Assets **Fire Macro**

Unit Price

Planning Data **Properties** **Remarks**

Production Data

Control Properties

- New Item
- Display Field Properties
- Item Placement Configurator
- Tab Order
- Mandatory fields

APP Customizer

- Copy
- Remove
- Duplicate
- Email
- Charts
- Inv Trans Qty by Trans Type (Item)
- Inv Trans Value by Trans Type (Item)
- Inv Value by Warehouse
- Inventory by Product Group Snapshot

- Select the **Control Properties** option from the **APP Customizer** menu group option from the right-click menu on the form to load the **Item Properties/Events** screen.

Item Properties/Events

Form: 150 ☒ Active

Item UID: TWBS_BN1

Item Type: BUTTON

Column UID:

Properties Events

Event	Event Description	Define/Edit	Remove
ITEM PRESSED		Define	Remove
KEY DOWN			
GOT FOCUS			
LOST FOCUS			
COMBO SELEC			
CLICK			
DOUBLE CLICK			
MATRIX LINK P			

Export Apply Apply & Close Close

- Select the **Events** tab.
- Choose the **Event** option that you want to record the process rules macro for.
- Click the **Define** or **Edit** button on the Event that you want to record the process rules macro for. This will launch the **Process Rules Event Handler** screen.

Event Handler

Event Description	Message One		
Event	ITEM PRESSED		
Sort Order	100		
Form Type	150		
Item UID	TWBS_BN1		
Column UID			
Menu Item UID			
Applicable Users			

☐ Exclude Selected Items

☒ No Validation

Execute Procedure: None

☐ Simple Validation

Source Field: 2-Launch New activity SO
4-email document
7-related activities
8-Blank PO # Status Msg
12-bp report
15-Create Activity - BP

Operation: 12-bp report
15-Create Activity - BP

Source Value:

Execute Procedure: None

☐ Query Validation

SQL:

Value	Procedure		

General

☒ Active

☐ Show Procedures Linked to Current Form

Inner Event

☐ True

☐ False

☒ Ignore

Before Action

☐ True

☒ False

☐ Ignore

Action Success

☒ True

☐ False

☐ Ignore

☐ FIND MODE

☒ OK MODE

☒ UPDATE MODE

☒ ADD MODE

☐ VIEW MODE

☐ PRINT MODE

☐ EDIT MODE

Export 

Apply Apply & Close Close

- Enter the **Event Description** value to identify the Event.
- Click the **Define New** option in the **Execute Procedure** drop down.
- This will launch the **Procedure Handler** screen.

Procedure Handler

Procedure ID: 78

Procedure Name: Message One

Default SAP Action: ☒ Continue ☐ Block

Create Menu Shortcut

Macro | Alerts | Queries

Record

Stop

Load MacroEditor

APP Macro does not exist

Remove Procedure Export OK Cancel

- Enter a value in the **Procedure Name** field to identify the procedure.
- Click the **Load Macro Editor** button on the **Procedure Handler** screen.
- This will launch the **Macro Editor** screen.

Macro Editor

Line Number	Action Types	Form TypeEx	Menu ID	Variable	Item UID	Column	Row	Value	Comments	Active
1	Message Box			Variable1						☒
2										☒

Save Save & Close Cancel

Shows a MessageBox and stores the clicked Message button value to a Variable specified in Variable column if needed.

- Select the option from the **Action Types** drop down column. For this example I'll select the **Messagebox** option.
- The APP application will clear any existing parameter values. Any parameter value columns that are not optional (identified in yellow) or required (identified in red) will be deactivated (identified in gray).
- Complete the information needed for the **Messagebox** macro action type that you want to execute. Clicking in the **Value** column will load the **Macro Editor Values Entry** screen.

Enter Value

This is message one! | Okay | Cancel

OK

Cancel

Command

Message Box

Syntax

<Message String> | [Button1
Caption | Button2 Caption |
Button3 Caption]

Arguments

<Message String> :- The
message text to display
[Button1 Caption] - First Button
Caption. Optional
[Button2 Caption] - Second
Button Caption. Optional
[Button3 Caption] - Third
Button Caption. Optional

Example

Do you want to Continue? | Yes|
No| Cancel

- Complete the information for the Message Box arguments.
- Click the **OK** button on the **Macro Editor Values Entry** screen.

Macro Editor

Line Number	Action Types	Form TypeEx	Menu ID	Variable	Item UID	Column	Row	Value	Comments	Active
1	Message Box			Variable1				This is message one! Okay Cancel		☒
2										☒

Save

Save & Close

Cancel

Shows a MessageBox and stores the clicked Message button value to a Variable specified in Variable column if needed.

- Click the **Save & Close** button.
- Click the **OK** button on the **Procedure Handler** screen.

Event Handler

Event Description	Message One		
Event	ITEM PRESSED		
Sort Order	100		
Form Type	150		
Item UID	TWBS_BN1		
Column UID			
Menu Item UID			
Applicable Users			

☐ Exclude Selected Items

☒ No Validation

Execute Procedure: 77-Message One

☐ Simple Validation

Source Field:

Operation: Equal

Source Value:

Execute Procedure: None

☐ Query Validation

SQL:

Value	Procedure		

General

☒ Active

☐ Show Procedures Linked to Current Form

Inner Event

☐ True

☐ False

☒ Ignore

Before Action

☐ True

☒ False

☐ Ignore

Action Success

☒ True

☐ False

☐ Ignore

☐ FIND MODE

☒ OK MODE

☒ UPDATE MODE

☒ ADD MODE

☐ VIEW MODE

☐ PRINT MODE

☐ EDIT MODE

Export

Apply Apply & Close Close

- Complete the appropriate Event properties (Inner Event, Before Action, etc.)



The value of the **Sort Order** field will determine the order in which the Events are executed in the case of multiple instances of the same Event. The application automatically assigns a value which can be manually altered. If two instances of the same Event are given the same **Sort Order** value, the Events will be executed according to the date/time the Event was added to the system.

- Click the **Save & Close** button on the **Process Rules Event Handler** screen.

Item Properties/Events

Form

150

Item UID

TwBS_BN1

Item Type

BUTTON

Column UID

☒ Active

Properties

Events

Event	Event Description	Define/Edit	Remove
ITEM PRES...	Message One	Edit	Remove
		Define	Remove

ITEM PRESSED
KEY DOWN
GOT FOCUS
LOST FOCUS
COMBO SELEC
CLICK
DOUBLE CLICK
MATRIX LINK P

Export

Apply

Apply & Close

Close

- Choose the second instance of the same **Event** that you want to record the process rules macro for.
- Click the **Define** or **Edit** button on the Event that you want to record the process rules macro for. This will launch the **Process Rules Event Handler** screen.

Event Handler			
Event Description	Message 2		
Event	ITEM PRESSED		
Sort Order	101		
Form Type	150		
Item UID	TWBS_BN1		
Column UID			
Menu Item UID			
Applicable Users			
☐ Exclude Selected Items			
☒ No Validation			
Execute Procedure	None Define New None 2-Launch New activity SO 4-email document 7-related activities 8-Blank PO # Status Msg 12-bp report 15-Create Activity - BP		
☐ Simple Validation			
Source Field			
Operation			
Source Value			
Execute Procedure	None		
☐ Query Validation			
SQL			
Value	Procedure		

General

☒ Active

☐ Show Procedures Linked to Current Form

Inner Event

☐ True

☐ False

☒ Ignore

Before Action

☐ True

☒ False

☐ Ignore

Action Success

☒ True

☐ False

☐ Ignore

☐ FIND MODE

☒ OK MODE

☒ UPDATE MODE

☒ ADD MODE

☐ VIEW MODE

☐ PRINT MODE

☐ EDIT MODE

Export

Apply

Apply & Close

Close

- Enter the **Event Description** value to identify the Event.
- Click the **Define New** option in the **Execute Procedure** drop down . This will launch the **Procedure Handler** screen.

Procedure Handler

Procedure ID: 78

Procedure Name: Message Two

Default SAP Action: ☒ Continue ☐ Block

Create Menu Shortcut

Macro Alerts Queries

Record

Stop

Load MacroEditor

APP Macro does not exist

Remove Procedure Export OK Cancel

- Enter a value in the **Procedure Name** field to identify the procedure.
- Click the **Load Macro Editor** button on the **Procedure Handler** screen. This will launch the **Macro Editor** screen.

Macro Editor

Line Number	Action Types	Form TypeEx	Menu ID	Variable	Item UID	Column	Row	Value	Comments	Active
1	Message Box			Variable1						☒
2										☒

Save Save & Close Cancel

Shows a MessageBox and stores the clicked Message button value to a Variable specified in Variable column if needed.

- Select the option from the **Action Types** drop down column. For this example I'll select the **Messagebox** option.
- The APP application will clear any existing parameter values. Any parameter value columns that are not optional (identified in yellow) or required (identified in red) will be deactivated (identified in gray).
- Complete the information needed for the **Messagebox** macro action type that you want to execute. Clicking in the **Value** column will load the **Macro Editor Values Entry** screen.

- Complete the information for the Message Box arguments.
- Click the **OK** button on the **Macro Editor Values Entry** screen.

Line Number	Action Types	Form TypeEx	Menu ID	Variable	Item UID	Column	Row	Value	Comments	Active
1	Message Box			Variable1				This is message two! Okay Cancel		☒
2										☒

- Click the **Save & Close** button.
- Click the **OK** button on the **Procedure Handler** screen.

Event Handler

Event Description	Message 2		
Event	ITEM PRESSED		
Sort Order	101		
Form Type	150		
Item UID	TWBS_BN1		
Column UID			
Menu Item UID			
Applicable Users			

☐ Exclude Selected Items

☒ No Validation

Execute Procedure: 78-Message Two

☐ Simple Validation

Source Field:

Operation: Equal

Source Value:

Execute Procedure: None

☐ Query Validation

SQL:

Value	Procedure		

General

☒ Active

☐ Show Procedures Linked to Current Form

Inner Event

☐ True

☐ False

☒ Ignore

Before Action

☐ True

☒ False

☐ Ignore

Action Success

☒ True

☐ False

☐ Ignore

☐ FIND MODE

☒ OK MODE

☒ UPDATE MODE

☒ ADD MODE

☐ VIEW MODE

☐ PRINT MODE

☐ EDIT MODE

Export 

- Complete the appropriate Event properties (Inner Event, Before Action, etc.)
- Click the **Save & Close** button on the **Process Rules Event Handler** screen.

Item Properties/Events

Form: 150

Item UID: TwBS_BN1

Item Type: BUTTON

Column UID:

☒ Active

Properties Events

Event	Event Description	Define/Edit	Remove
ITEM PRES...	Message One	Edit	Remove
ITEM PRES...	Message 2	Edit	Remove
		Define	Remove

Export Apply Apply & Close Close

- Click the **Save & Close** button on the **Item Properties/Events** screen.
- Click the **Fire Macro** button on the **Item Master Data** screen.

Item Master Data

Item No. Manual z230 Bar Code

Description z230

Foreign Name

Item Type Items

Item Group Items

Price List Dealer Unit Price \$ 222.00

☒ Inventory Item

☒ Sales Item

☒ Purchase Item

☐ Fixed Assets

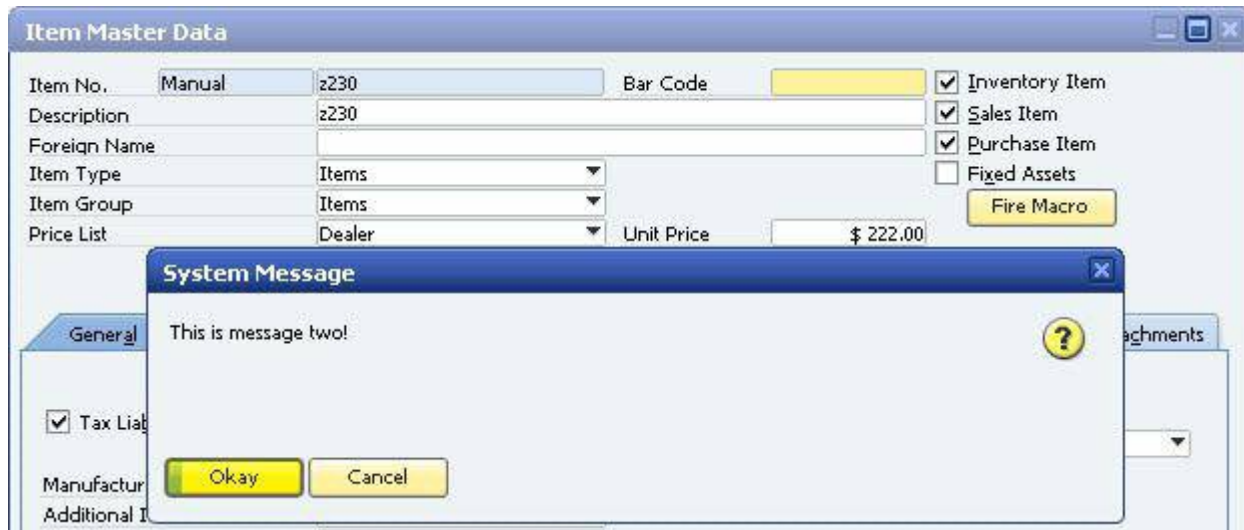
Fire Macro

System Message

This is message one!

Okay Cancel

- The first message box will appear.
- Click the **Okay** button on the first message box window.



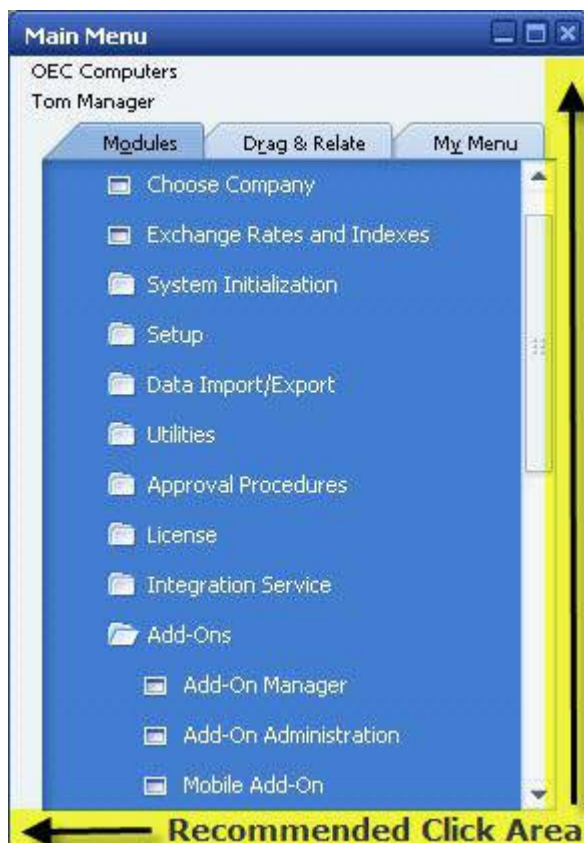
- Click the **Okay** button on the second message box window.

How To Use the Addon Loaded Event

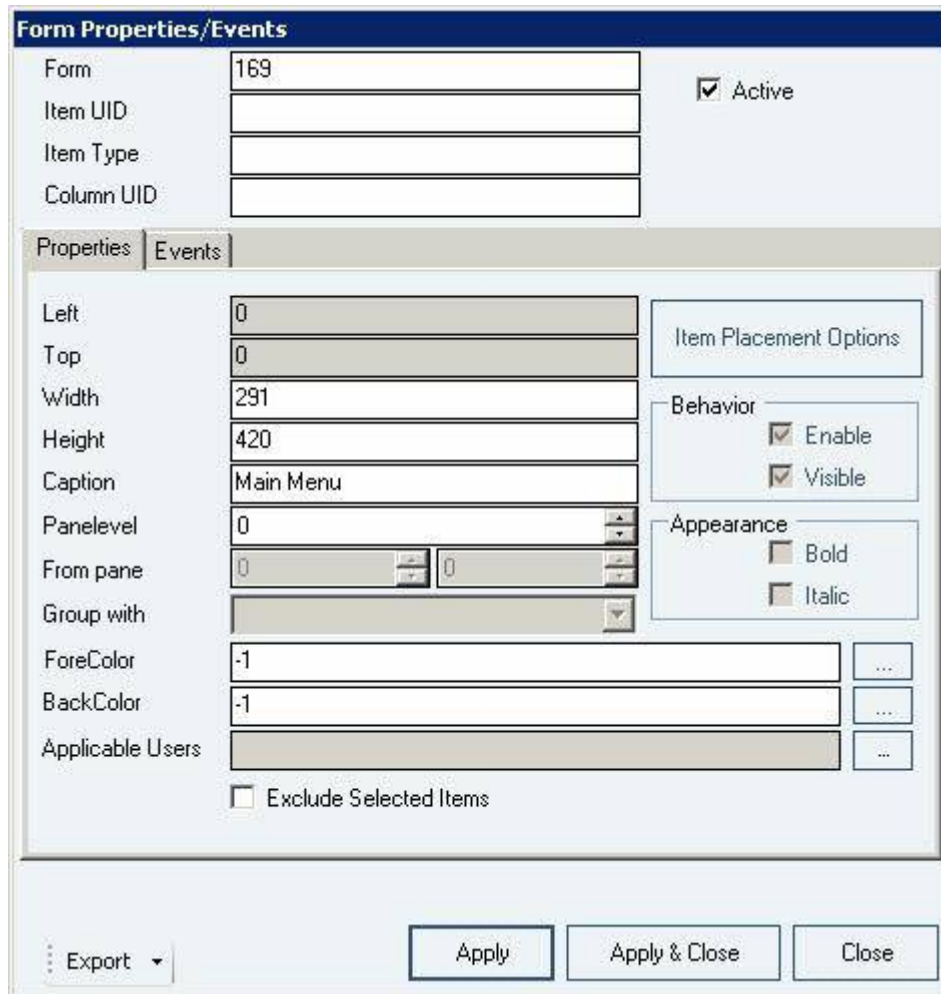
- On the SAP Main Menu, Click the recommended area (see image below) while holding the **Ctrl** and **Shift** keys down.



The top area of the main menu is mostly covered by the Company and User labels.



- The **Form Properties/Events** screen will load and will identify the form and caption for the Main Menu area.



The image shows a 'Form Properties/Events' dialog box. At the top, the title bar reads 'Form Properties/Events'. Below the title bar, there are four input fields: 'Form' (containing '169'), 'Item UID' (empty), 'Item Type' (empty), and 'Column UID' (empty). To the right of these fields is a checked checkbox labeled 'Active'. Below these fields is a tabbed interface with two tabs: 'Properties' (selected) and 'Events'. The 'Properties' tab contains several settings: 'Left' (0), 'Top' (0), 'Width' (291), 'Height' (420), 'Caption' (Main Menu), 'Panelevel' (0), 'From pane' (0), 'Group with' (empty), 'ForeColor' (-1), 'BackColor' (-1), and 'Applicable Users' (empty). To the right of these settings are three sections: 'Item Placement Options' (empty), 'Behavior' (with checked 'Enable' and 'Visible' checkboxes), and 'Appearance' (with 'Bold' and 'Italic' checkboxes). At the bottom of the 'Properties' tab is an unchecked checkbox labeled 'Exclude Selected Items'. At the bottom of the dialog box are three buttons: 'Export' (with a dropdown arrow), 'Apply', and 'Apply & Close', followed by a 'Close' button.

- Click the **Events** tab.

Form Properties/Events

Form169

Item UID

Item Type

Column UID

☒ Active

PropertiesEvents

Event	Event Description	Define/Edit	Remove
ADDON LOADE		Define	Remove

Export

Apply

Apply & Close

Close

- Select the **Addon Loaded** Event from the drop down.



This Event is **only** applicable for the successful loading of the APP application. This **cannot** be applied to any other add-on applications.

- Click the **Define** button. This will launch the **Process Rules Event Handler** screen.

Event Handler

Event Description:

Event:

Sort Order:

Form Type:

Item UID:

Column UID:

Menu Item UID:

Applicable Users: ...

☐ Exclude Selected Items

☒ No Validation

Execute Procedure: ...

☐ Simple Validation

Source Field:

Operation:

Source Value:

Execute Procedure: ...

☐ Query Validation

SQL:

Value	Procedure		

General

☒ Active

☐ Show Procedures Linked to Current Form

Inner Event

☐ True

☐ False

☒ Ignore

Before Action

☐ True

☒ False

☐ Ignore

Action Success

☒ True

☐ False

☐ Ignore

☐ FIND MODE

☒ OK MODE

☒ UPDATE MODE

☒ ADD MODE

☐ VIEW MODE

☐ PRINT MODE

☐ EDIT MODE

Export

Apply Apply & Close Close

- Select the validations and procedures to be executed when the APP application is loaded.
- Click the **Save & Close** button on the **Process Rules Event Handler** screen.
- Click the **Save & Close** button on the **Item Properties/Events** screen.
- Click the SAP menu option titled **Add-On Manager** under the **Administration** ➔ **Add-Ons** menus to load the **Add-On Manager** screen.
- Highlight the APP application. Click the **Stop** button.



- Once the application has stopped, highlight the APP application. Click the **Start** button.



- Once the application has successfully been loaded, the designated procedures for the **Addon Loaded** Event will be executed according to the validation set up.

How To Use the Macro Action Types



The macro editor will **only** support actions against screens where there are **not** multiple instances of that screen open in SAP® Business One when the macro is being performed. For example, a macro that performs an action against form #139 (the Sales Order form) should **only** be performed with one Sales Order form window open.

How To Use the AddRow Action Type



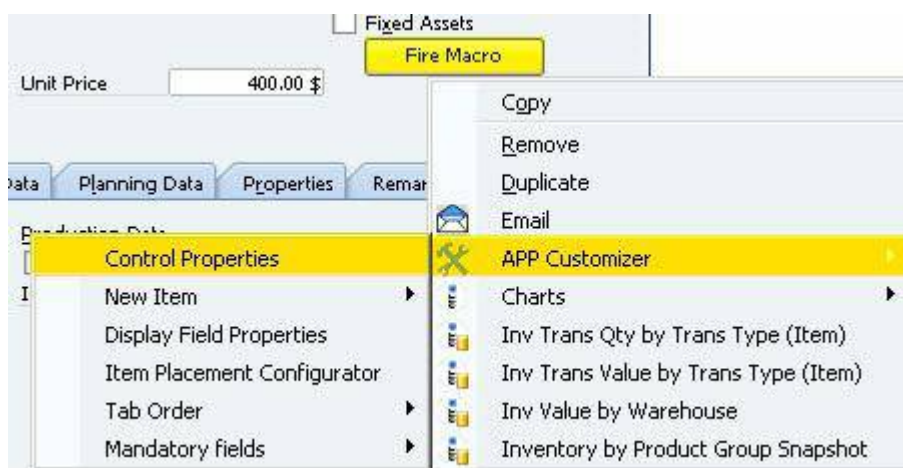
This example is for the **Item Master Data** screen.

- Click the SAP menu option titled **Item Master Data** under the **Inventory** menu to load the **Inventory Master Data** screen.
- Determine the item that you want to establish process rules for (**Fire Macro** button for this example).





The right-click menu should be launched while the mouse is on top of the item.



- Select the **Control Properties** option from the **APP Customizer** menu group option from the right-click menu on the form to load the **Item Properties/Events** screen.

Item Properties/Events

Form: 150 ☒ Active

Item UID: TWBS_BN1

Item Type: BUTTON

Column UID:

Properties Events

Event	Define	Remove
CLICK	Define	
COMBO SELECT	Define	
DOUBLE CLICK	Define	
GOT FOCUS	Define	
ITEM PRESSED	Edit	Remove
KEY DOWN	Define	
LOST FOCUS	Define	
MATRIX LINK PRESSED	Define	
PICKER CLICKED	Define	
VALIDATE	Define	

Apply Apply & Close Close

- Select the **Events** tab.
- Click the **Define** or **Edit** button on the Event that you want to record the process rules macro for. This will launch the **Process Rules Event Handler** screen.

Event Handler

Event Description:

Event:

Form Type:

Item UID:

Applicable Users: ...

☐ Exclude Selected Items

☒ No Validation

Execute Procedure: ...

☐ Simple Validation

Source Field:

Operation:

Source Value:

Execute Procedure: ...

☐ Query Validation

SQL:

	Value	Procedure		
*				

Link

☒ Active

☐ Show Procedures Linked to Current Form

Inner Event

☐ True

☒ False

☐ Ignore

Before Action

☐ True

☒ False

☐ Ignore

Action Success

☐ True

☒ False

☐ Ignore

☐ FIND MODE

☒ OK MODE

☒ UPDATE MODE

☒ ADD MODE

☐ VIEW MODE

☐ PRINT MODE

☐ EDIT MODE

Apply Apply & Close Close

- Click the ... button next to the procedure to be executed. This will launch the **Procedure Handler** screen.

Procedure Handler

Procedure ID:

Procedure Name:

Alerts | Queries | Macro

Record

Stop

Load MacroEditor

Remove Procedure

OK Cancel

- Click the **Load Macro Editor** button on the **Procedure Handler** screen. This will launch the **Macro Editor** screen.

Action Types	Form TypeEx	Menu ID	Variable	Item UID	Column	Row	Value	Comments	Active
AddRow	150			28		-1			☒
						-1			☒

Save Save & Close Cancel

- Select the **AddRow** option from the **Action Types** drop down column.
- The APP application will clear any existing parameter values. Any parameter value columns that are not optional (identified in yellow) or required (identified in red) will be deactivated (identified in gray).
- Complete the information needed for the **AddRow** Macro Action Type that you want to execute.
- Complete any other information and/or Action Types required to complete your Macro.
- Click the **Save & Close** button.
- Click the **OK** button on the **Procedure Handler** screen.

Event Handler

Event Description	
Event	et_ITEM_PRESSED
Form Type	150
Item UID	TwBS_BN1

Link
☒ Active
☐ Show Procedures Linked to Current Form

Applicable Users: ...
☐ Exclude Selected Items

☒ No Validation
 Execute Procedure: ...

☐ Simple Validation
 Source Field:
 Operation:
 Source Value:
 Execute Procedure: ...

☐ Query Validation
 SQL:

	Value	Procedure		
*				

Inner Event
☐ True
☒ False
☐ Ignore

Before Action
☒ True
☐ False
☐ Ignore

Action Success
☐ True
☒ False
☐ Ignore

☐ FIND MODE
☒ OK MODE
☒ UPDATE MODE
☒ ADD MODE
☐ VIEW MODE
☐ PRINT MODE
☐ EDIT MODE

Apply Apply & Close Close

- Set the **Before Action** value to **True**.
- Click the **Save & Close** button on the **Process Rules Event Handler** screen.
- Click the **Save & Close** button on the **Item Properties/Events** screen.

- Click the **Fire Macro** button on the **Item Master Data** screen.

Item Master Data

Item No. A00002 Bar Code ☒ Inventory Item
 Description ☒ Sales Item
 Foreign Name ☒ Purchase Item
 Item Type ☐ Fixed Assets
 Item Group
 Price List Unit Price

General Purchasing Data Sales Data **Inventory Data** Planning Data Properties Remarks Attachments

☒ Manage Inventory by Warehouse

Set G/L Accounts By Inventory Level
 Inventory UoM Required (Purchasing UoM)
 Valuation Method Minimum
 Maximum

#	Whse ...	Whse Na...	Locked	In Stock	Committed	Ordered	Available	Min. Inve...	Max. Inv...	Re...
1	01	General War...	☐	869	77	170	962			
2	02	West Cost W...	☐	50			50			
3	03	Dropship W...	☐							
4	04	Consignment	☐							
5			☐							
4	04	Consignment	☐							
				919	77	170	1,012			

- The specified macro action is executed.

How To Use the CallAPPProcedure Action Type



This example is for the **Item Master Data** screen.

- Click the SAP menu option titled **Item Master Data** under the **Inventory** menu to load the **Inventory Master Data** screen.
- Determine the item that you want to establish process rules for (**Fire Macro** button for this example).

Item Master Data

Item No. Manual A00001 Bar Code ☒ Inventory Item

Description IBM Infoprint 1312 ☒ Sales Item

Foreign Name ☒ Purchase Item

Item Type Items ☐ Fixed Assets

Item Group IBM Printers

Price List Base Price Unit Price 400.00 \$ **Fire Macro**

General Purchasing Data Sales Data Inventory Data Planning Data Properties Remarks Attachments

☒ Tax Liabilities

Production Data

☐ Phantom Item

Issue Method Backflush

Manufacturer IBM

Additional Identifier

Shipping Type Fedex EM

Serial and Batch Numbers

Manage Item by None

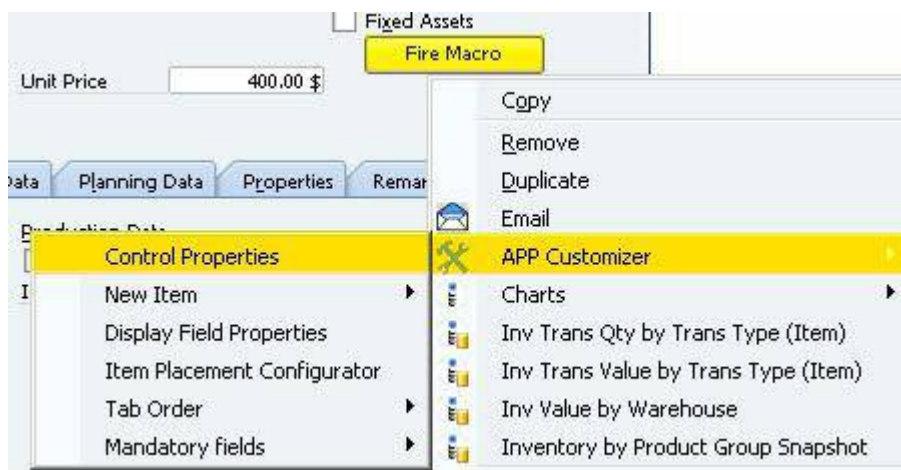
☒ Active ☐ Inactive ☐ Advanced

From To Remarks

OK **Cancel**



The right-click menu should be launched while the mouse is on top of the item.



- Select the **Control Properties** option from the **APP Customizer** menu group option from the right-click menu on the form to load the **Item Properties/Events** screen.

Item Properties/Events

Form

150

Item UID

TwBS_BN1

Item Type

BUTTON

Column UID

☒ Active

Properties

Events

Event	Define	Remove
CLICK	Define	
COMBO SELECT	Define	
DOUBLE CLICK	Define	
GOT FOCUS	Define	
ITEM PRESSED	Edit	Remove
KEY DOWN	Define	
LOST FOCUS	Define	
MATRIX LINK PRESSED	Define	
PICKER CLICKED	Define	
VALIDATE	Define	

Apply

Apply & Close

Close

- Select the **Events** tab.
- Click the **Define** or **Edit** button on the Event that you want to record the process rules macro for. This will launch the **Process Rules Event Handler** screen.

Event Handler

Event Description:

Event:

Form Type:

Item UID:

Applicable Users: ...

☐ Exclude Selected Items

☒ No Validation

Execute Procedure: ...

☐ Simple Validation

Source Field:

Operation:

Source Value:

Execute Procedure: ...

☐ Query Validation

SQL:

	Value	Procedure		
*				

Link

☒ Active

☐ Show Procedures Linked to Current Form

Inner Event

☐ True

☒ False

☐ Ignore

Before Action

☐ True

☒ False

☐ Ignore

Action Success

☐ True

☒ False

☐ Ignore

☐ FIND MODE

☒ OK MODE

☒ UPDATE MODE

☒ ADD MODE

☐ VIEW MODE

☐ PRINT MODE

☐ EDIT MODE

Apply Apply & Close Close

- Click the ... button next to the procedure to be executed. This will launch the **Procedure Handler** screen.

Procedure Handler

Procedure ID:

Procedure Name:

Alerts | Queries | Macro

Record

Stop

Load MacroEditor

Remove Procedure

OK Cancel

- Click the **Load Macro Editor** button on the **Procedure Handler** screen. This will launch the **Macro Editor** screen.

Action Types	Form TypeEx	Menu ID	Variable	Item UID	Column	Row	Value	Comments	Active
CallAPPProcedure						-1	7		☒
						-1			☒

Save Save & Close Cancel

- Select the **CallAPPProcedure** option from the **Action Types** drop down column.
- The APP application will clear any existing parameter values. Any parameter value columns that are not optional (identified in yellow) or required (identified in red) will be deactivated (identified in gray).
- Complete the information needed for the **CallAPPProcedure** Macro Action Type that you want to execute.
- Complete any other information and/or Action Types required to complete your Macro.
- Below indicates the steps from Procedure #7 for the purpose of displaying expected results on execution.

No Validation

Execute Procedure 7-TE

Procedure Handler

Procedure ID: 7

Procedure Name: TEst Message

Macro Editor

Action Types	Form TypeEx	Menu ID	Variable	Item UID	Column	Row	Value	Comments	Active
Message Box						-1	Test Message		☒

Save Save & Close Cancel

SQL

Value

Remove Procedure

OK Cancel

- Click the **Save & Close** button.
- Click the **OK** button on the **Procedure Handler** screen.

Event Handler

Event Description:

Event:

Form Type:

Item UID:

Link: ☒ Active
☐ Show Procedures Linked to Current Form

Applicable Users: ...
☐ Exclude Selected Items

☒ No Validation

Execute Procedure: ...

☐ Simple Validation

Source Field:

Operation:

Source Value:

Execute Procedure: ...

☐ Query Validation

SQL:

	Value	Procedure		
*				

Inner Event: ☐ True
☒ False
☐ Ignore

Before Action: ☒ True
☐ False
☐ Ignore

Action Success: ☐ True
☒ False
☐ Ignore

☐ FIND MODE
☒ OK MODE
☒ UPDATE MODE
☒ ADD MODE
☐ VIEW MODE
☐ PRINT MODE
☐ EDIT MODE

Apply Apply & Close Close

- Set the **Before Action** value to **True**.
- Click the **Save & Close** button on the **Process Rules Event Handler** screen.
- Click the **Save & Close** button on the **Item Properties/Events** screen.

Item Master Data

Item No. A00002 Bar Code ☒ Inventory Item
 Description ☒ Sales Item
 Foreign Name ☒ Purchase Item
 Item Type ☐ Fixed Assets
 Item Group
 Price List Unit Price

General Purchasing Data Sales Data **Inventory Data** Planning Data Properties Remarks Attachments

☒ Manage Inventory by Warehouse

Set G/L Accounts By Inventory Level
 Inventory UoM Required (Purchasing UoM)
 Valuation Method Minimum
 Maximum

#	Whse ...	Whse Na...	Locked	In Stock	Committed	Ordered	Available	Min. Inve...	Max. Inv...	Re...
1	01	General War...	☐	869	77	170	962			
2	02	West Cost W...	☐	50			50			
3	03	Dropship W...	☐							
4	04	Consignment	☐							
5			☐							
				919	77	170	1,012			

- Click the **Fire Macro** button on the **Item Master Data** screen.

Item Master Data

Item No. A00001 Bar Code ☒ Inventory Item
 Description ☒ Sales Item
 Foreign Name ☒ Purchase Item
 Item Type ☐ Fixed Assets
 Item Group
 Price List Unit Price

General Purchasing Data Sales Data **Inventory Data** Planning Data Properties Remarks Attachments

☒ Tax Liab...

Manufacturer
 Additional Identifier

System Message

Test Message

- The specified macro action is executed.

How To Use the ComboSelect Action Type



This example is for the **Item Master Data** screen.

- Click the SAP menu option titled **Item Master Data** under the **Inventory** menu to load the **Inventory Master Data** screen.
- Determine the item that you want to establish process rules for (**Fire Macro** button for this example).

Item Master Data

Item No. Manual A00001 Bar Code

Description IBM Infoprint 1312

Foreign Name

Item Type Items

Item Group IBM Printers

Price List Base Price Unit Price 400.00 \$

☒ Inventory Item ☒ Sales Item ☒ Purchase Item ☐ Fixed Assets

Fire Macro

General Purchasing Data Sales Data Inventory Data Planning Data Properties Remarks Attachments

☒ Tax Liabie

Manufacturer IBM

Additional Identifier

Shipping Type Fedex EM

Serial and Batch Numbers

Manage Item by None

Production Data

☐ Phantom Item

Issue Method Backflush

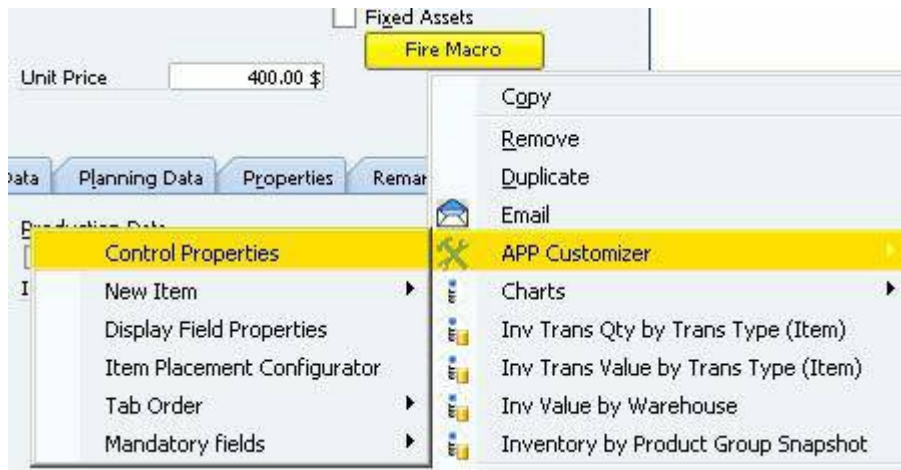
☒ Active ☐ Inactive ☐ Advanced

From To Remarks

OK **Cancel**



The right-click menu should be launched while the mouse is on top of the item.



- Select the **Control Properties** option from the **APP Customizer** menu group option from the right-click menu on the form to load the **Item Properties/Events** screen.

Item Properties/Events

Form: 150
 Item UID: TWBS_BN1
 Item Type: BUTTON
 Column UID:
☒ Active

Properties Events

Event	Define	Remove
CLICK	Define	
COMBO SELECT	Define	
DOUBLE CLICK	Define	
GOT FOCUS	Define	
ITEM PRESSED	Edit	Remove
KEY DOWN	Define	
LOST FOCUS	Define	
MATRIX LINK PRESSED	Define	
PICKER CLICKED	Define	
VALIDATE	Define	

Apply Apply & Close Close

- Select the **Events** tab.
- Click the **Define** or **Edit** button on the Event that you want to record the process rules macro for. This will launch the **Process Rules Event Handler** screen.

Event Handler

Event Description:

Event:

Form Type:

Item UID:

Applicable Users: ...

☐ Exclude Selected Items

☒ No Validation

Execute Procedure: ...

☐ Simple Validation

Source Field:

Operation:

Source Value:

Execute Procedure: ...

☐ Query Validation

SQL:

	Value	Procedure		
*				

Link

☒ Active

☐ Show Procedures Linked to Current Form

Inner Event

☐ True

☒ False

☐ Ignore

Before Action

☐ True

☒ False

☐ Ignore

Action Success

☐ True

☒ False

☐ Ignore

☐ FIND MODE

☒ OK MODE

☒ UPDATE MODE

☒ ADD MODE

☐ VIEW MODE

☐ PRINT MODE

☐ EDIT MODE

Apply Apply & Close Close

- Click the ... button next to the procedure to be executed. This will launch the **Procedure Handler** screen.

Procedure Handler

Procedure ID:

Procedure Name:

Alerts | Queries | Macro

Record

Stop

Load MacroEditor

Remove Procedure

OK Cancel

- Click the **Load Macro Editor** button on the **Procedure Handler** screen. This will launch the **Macro Editor** screen.

Action Types	Form TypeEx	Menu ID	Variable	Item UID	Column	Row	Value	Comments	Active
ComboSelect	150			35		-1	Motor Express		☒
						-1			☒

Save Save & Close Cancel

- Select the **ComboSelect** option from the **Action Types** drop down column.
- The APP application will clear any existing parameter values. Any parameter value columns that are not optional (identified in yellow) or required (identified in red) will be deactivated (identified in gray).
- Complete the information needed for the **ComboSelect** Macro Action Type that you want to execute.



The value for selection **must** be an existing option in the combo box.

- Complete any other information and/or Action Types required to complete your Macro.
- Click the **Save & Close** button.
- Click the **OK** button on the **Procedure Handler** screen.

Event Handler

Event Description				Link ☒ Active ☐ Show Procedures Linked to Current Form
Event	et_ITEM_PRESSED			
Form Type	150			
Item UID	TwBS_BN1			

Applicable Users		...
☐ Exclude Selected Items		

☒ No Validation

Execute Procedure: 11-Shipping Type Click ...

☐ Simple Validation

Source Field:

Operation: Equal

Source Value:

Execute Procedure: None ...

☐ Query Validation

SQL:

	Value	Procedure		
*				

Inner Event

☐ True

☒ False

☐ Ignore

Before Action

☒ True

☐ False

☐ Ignore

Action Success

☐ True

☒ False

☐ Ignore

☐ FIND MODE
☒ OK MODE
☒ UPDATE MODE
☒ ADD MODE
☐ VIEW MODE
☐ PRINT MODE
☐ EDIT MODE

- Set the **Before Action** value to **True**.
- Click the **Save & Close** button on the **Process Rules Event Handler** screen.
- Click the **Save & Close** button on the **Item Properties/Events** screen.

Item Master Data

Item No. Bar Code ☒ Inventory Item
Description ☒ Sales Item
Foreign Name ☒ Purchase Item
Item Type ☐ Fixed Assets
Item Group
Price List Unit Price

General | Purchasing Data | Sales Data | Inventory Data | Planning Data | Properties | Remarks | Attachments

☒ Tax Liabilities ☐ Phantom Item
Manufacturer Issue Method
Additional Identifier
Shipping Type
Serial and Batch Numbers
Manage Item by

☒ Active ☐ Inactive ☐ Advanced
From To Remarks

- Click the **Fire Macro** button on the **Item Master Data** screen.

Item Master Data

Item No. Bar Code ☒ Inventory Item
 Description ☒ Sales Item
 Foreign Name ☒ Purchase Item
 Item Type ☐ Fixed Assets
 Item Group
 Price List Unit Price

General | Purchasing Data | Sales Data | Inventory Data | Planning Data | Properties | Remarks | Attachments

☒ Tax Liabilities

Production Data
☐ Phantom Item
 Issue Method

Manufacturer
 Additional Identifier
 Shipping Type

Serial and Batch Numbers
 Manage Item by

☒ Active ☐ Inactive ☐ Advanced

From	To	Remarks

- The specified macro action is executed.

How To Use the ConditionExecution Action Type

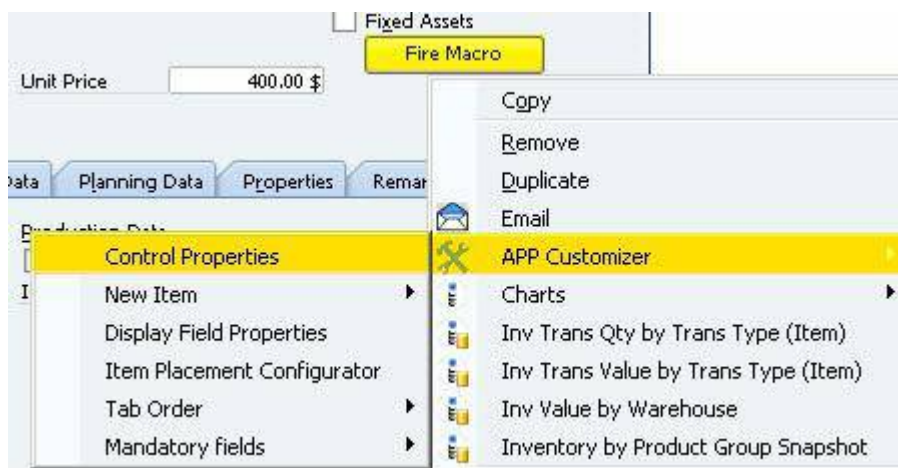


This example is for the **Item Master Data** screen.

- Click the SAP menu option titled **Item Master Data** under the **Inventory** menu to load the **Inventory Master Data** screen.
- Determine the item that you want to establish process rules for (**Fire Macro** button for this example).



The right-click menu should be launched while the mouse is on top of the item.



- Select the **Control Properties** option from the **APP Customizer** menu group option from the right-click menu on the form to load the **Item Properties/Events** screen.

Item Properties/Events

Form150

Item UIDTwBS_BN1

Item TypeBUTTON

Column UID

☒ Active

Properties

Events

Event	Define	Remove
CLICK	Define	
COMBO SELECT	Define	
DOUBLE CLICK	Define	
GOT FOCUS	Define	
ITEM PRESSED	Edit	Remove
KEY DOWN	Define	
LOST FOCUS	Define	
MATRIX LINK PRESSED	Define	
PICKER CLICKED	Define	
VALIDATE	Define	

Apply

Apply & Close

Close

- Select the **Events** tab.
- Click the **Define** or **Edit** button on the Event that you want to record the process rules macro for. This will launch the **Process Rules Event Handler** screen.

Event Handler

Event Description			
Event	ITEM PRESSED		
Sort Order	100		
Form Type	150		
Item UID	TWBS_BN1		
Column UID			
Menu Item UID			
Applicable Users			...

☐ Exclude Selected Items

☒ No Validation

Execute Procedure: 76-Macro Sample Test ...

☐ Simple Validation

Source Field:

Operation: Equal

Source Value:

Execute Procedure: None ...

☐ Query Validation

SQL:

Value	Procedure		

General

☒ Active

☐ Show Procedures Linked to Current Form

Inner Event

☐ True

☐ False

☒ Ignore

Before Action

☐ True

☒ False

☐ Ignore

Action Success

☒ True

☐ False

☐ Ignore

☐ FIND MODE

☒ OK MODE

☒ UPDATE MODE

☒ ADD MODE

☐ VIEW MODE

☐ PRINT MODE

☐ EDIT MODE

Export

Apply Apply & Close Close

- Click the ... button next to the procedure to be executed. This will launch the **Procedure Handler** screen.

Procedure Handler

Procedure ID: 76

Procedure Name: Macro Sample Test

Default SAP Action: ☒ Continue ☐ Block Create Menu Shortcut

Macro Alerts Queries

Record

Stop

Load MacroEditor

APP Macro already exists

Remove Procedure Export OK Cancel

- Click the **Load Macro Editor** button on the **Procedure Handler** screen. This will launch the **Macro Editor** screen.

Macro Editor

Line Number	Action Types	Form TypeEx	Menu ID	Variable	Item UID	Column	Row	Value	Comments	Active
1	GetField/Value	150		Variable1	39					☒
2	ConditionExecution							'Variable1' = '100' GOTO 3 GOTO 5		☒
3	Message Box							Items! Okay		☒
4	MacroCommand							EXIT		☒
5	Message Box							Non-Items! Okay		☒
6	MacroCommand							EXIT		☒
7										☒

Save Save & Close Cancel

Gets an Item Value and sets to a Variable in Variable column

- Select the **ConditionExecution** option from the **Action Types** drop down column.
- The APP application will clear any existing parameter values. Any parameter value columns that are not optional (identified in yellow) or required (identified in red) will be deactivated (identified in gray).
- Complete the information needed for the **ConditionExecution** Macro Action Type that you want to execute.
- Complete any other information and/or Action Types required to complete your Macro.
- Click the **Save & Close** button.
- Click the **OK** button on the **Procedure Handler** screen.

Event Handler					
Event Description					
Event	ITEM PRESSED				
Sort Order	100				
Form Type	150				
Item UID	TwBS_BN1				
Column UID					
Menu Item UID					
Applicable Users					
☐ Exclude Selected Items					
☒ No Validation Execute Procedure 76-Macro Sample Test					
☐ Simple Validation Source Field Operation Equal Source Value Execute Procedure None					
☐ Query Validation SQL <table border="1"> <thead> <tr> <th>Value</th> <th>Procedure</th> </tr> </thead> <tbody> <tr> <td></td> <td></td> </tr> </tbody> </table>		Value	Procedure		
Value	Procedure				
General ☒ Active ☐ Show Procedures Linked to Current Form Inner Event ☐ True ☐ False ☒ Ignore Before Action ☐ True ☒ False ☐ Ignore Action Success ☒ True ☐ False ☐ Ignore ☐ FIND MODE ☒ OK MODE ☒ UPDATE MODE ☒ ADD MODE ☐ VIEW MODE ☐ PRINT MODE ☐ EDIT MODE					
Export Apply Apply & Close Close					

- Set the **Before Action** value to **True**.
- Click the **Save & Close** button on the **Process Rules Event Handler** screen.
- Click the **Save & Close** button on the **Item Properties/Events** screen.
- Click the **Fire Macro** button on the **Item Master Data** screen.

Item Master Data

Item No. Bar Code

Description

Foreign Name

Item Type

Item Group

Price List Unit Price

☐ Inventory Item
☒ Sales Item
☐ Purchase Item
☐ Fixed Assets

Fire Macro

General **Purchasing Data** **Sales Data** **Inventory Data** **Planning Data** **Properties** **Remarks** **Attachments**

☒ Tax Liable

Production Data
☐ Phantom Item
 Issue Method

Manufacturer

Additional Identifier

Shipping Type

Serial and Batch Numbers
 Manage Item by

☒ Active ☐ Inactive ☐ Advanced

From To Remarks

OK **Cancel**

- The value of the **Item Group** field is evaluated and the appropriate message box according to the Macro is displayed to the user.

System Message

Items!

Okay

- Navigate to another Item with an **Item Group** value different from the last Item.
- Click the **Fire Macro** button on the Item Master Data screen.

Item Master Data

Item No. Bar Code

Description

Foreign Name

Item Type

Item Group

Price List Unit Price

☒ Inventory Item
☒ Sales Item
☒ Purchase Item
☐ Fixed Assets

Fire Macro

General | Purchasing Data | Sales Data | Inventory Data | Planning Data | Properties | Remarks | Attachments

☒ Tax Liable

Manufacturer Additional Identifier

Shipping Type

Production Data
☐ Phantom Item
 Issue Method

Service Attributes
 Warranty Template

Serial and Batch Numbers
 Manage Item by
 Management Method

☒ Active ☐ Inactive ☐ Advanced

From To Remarks

OK **Cancel**

- The value of the **Item Group** field is again evaluated and the appropriate message box according to the Macro is displayed to the user.

System Message

Non-Items!

Okay

How To Use the DeleteRow Action Type



This example is for the **Sales Order** screen.

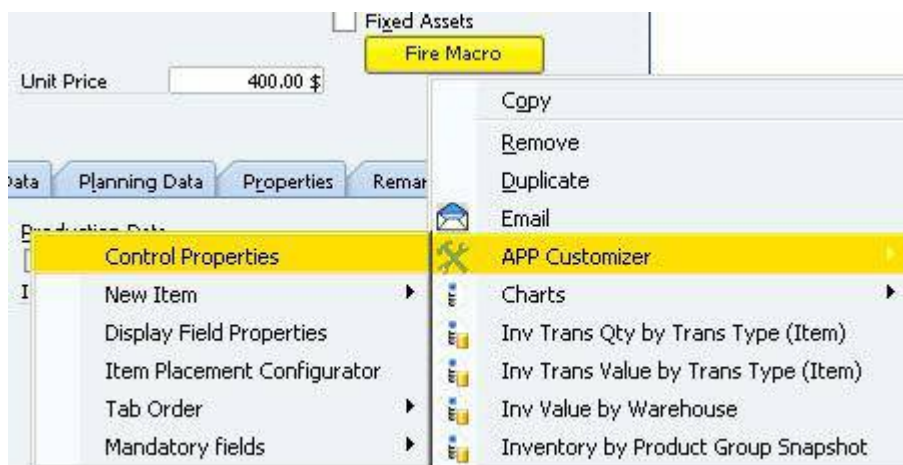
- Click the SAP menu option titled **Sales Order** under the **Sales - A/R** menu to load the **Sales**

Order screen.

- Determine the item that you want to establish process rules for (**Fire Macro** button for this example).



The right-click menu should be launched while the mouse is on top of the item.



- Select the **Control Properties** option from the **APP Customizer** menu group option from the right-click menu on the form to load the **Item Properties/Events** screen.

Item Properties/Events

Form: 139
Item UID: TWBS_BN1
Item Type: BUTTON
Column UID:
☒ Active

Properties Events

Event	Event Description	Define/Edit	Remove
ITEM PRESSE		Define	Remove

Export Apply Apply & Close Close

- Select the **Events** tab.
- Click the **Define** or **Edit** button on the Event that you want to record the process rules macro for. This will launch the **Process Rules Event Handler** screen.

Event Handler

Event Description	Macro SD Test		
Event	ITEM PRESSED		
Sort Order	103		
Form Type	139		
Item UID	TWBS_BN1		
Column UID			
Menu Item UID			
Applicable Users			

☐ Exclude Selected Items

☒ No Validation

Execute Procedure: 21-Macro Sample Test

☐ Simple Validation

Source Field:

Operation: Equal

Source Value:

Execute Procedure: None

☐ Query Validation

SQL:

Value	Procedure		

General

☒ Active

☐ Show Procedures Linked to Current Form

Inner Event

☐ True

☐ False

☒ Ignore

Before Action

☐ True

☒ False

☐ Ignore

Action Success

☒ True

☐ False

☐ Ignore

☐ FIND MODE

☒ OK MODE

☒ UPDATE MODE

☒ ADD MODE

☐ VIEW MODE

☐ PRINT MODE

☐ EDIT MODE

Export 

Apply Apply & Close Close

- Click the ... button next to the procedure to be executed. This will launch the **Procedure Handler** screen.

Procedure Handler

Procedure ID: 76

Procedure Name: Macro Sample Test

Default SAP Action: ☒ Continue ☐ Block

Create Menu Shortcut

Macro | Alerts | Queries

Record

Stop

Load MacroEditor

APP Macro already exists

Remove Procedure Export OK Cancel

- Click the **Load Macro Editor** button on the **Procedure Handler** screen. This will launch the **Macro Editor** screen.

Macro Editor

Line Number	Action Types	Form TypeEx	Menu ID	Variable	Item UID	Column	Row	Value	Comments	Active
1	DeleteRow	139			38		1			☒
2										☒

Save Save & Close Cancel

Deletes a row in Matrix/Grid

- Select the **DeleteRow** option from the **Action Types** drop down column.
- The APP application will clear any existing parameter values. Any parameter value columns that are not optional (identified in yellow) or required (identified in red) will be deactivated (identified in gray).
- Complete the information needed for the **DeleteRow** Macro Action Type that you want to execute.
- Complete any other information and/or Action Types required to complete your Macro.
- Click the **Save & Close** button.
- Click the **OK** button on the **Procedure Handler** screen.

Event Handler

Event Description	Macro SD Test		
Event	ITEM PRESSED		
Sort Order	103		
Form Type	139		
Item UID	TwBS_BN1		
Column UID			
Menu Item UID			
Applicable Users			

☐ Exclude Selected Items

☒ No Validation

Execute Procedure: 21-Macro Sample Test

☐ Simple Validation

Source Field:
 Operation: Equal
 Source Value:
 Execute Procedure: None

☐ Query Validation

SQL:

Value	Procedure

General

☒ Active

☐ Show Procedures Linked to Current Form

Inner Event

☐ True

☐ False

☒ Ignore

Before Action

☐ True

☒ False

☐ Ignore

Action Success

☒ True

☐ False

☐ Ignore

☐ FIND MODE

☒ OK MODE

☒ UPDATE MODE

☒ ADD MODE

☐ VIEW MODE

☐ PRINT MODE

☐ EDIT MODE

Export 

Apply Apply & Close Close

- Set the **Before Action** value to **False**.
- Click the **Save & Close** button on the **Process Rules Event Handler** screen.
- Click the **Save & Close** button on the **Item Properties/Events** screen.
- Create a Sales Order with multiple detail lines.

Sales Order

Customer

C30000

Name

Microchips

Contact Person

Judy Brown

Customer Ref. No.

BP Currency

\$

No.

Primary

258

Status

Open

Posting Date

02/01/2013

Delivery Date

02/01/2013

Document Date

02/01/2013

Fire Macro

Contents

Logistics

Accounting

Attachments

Item/Service Type

Item

Summary Type

No Summary

#	Item No.	BP Catalog No.	Item Description	UCC 128 Kit ID	Kit Desc...
1	A00001		IBM Infoprint 1312		
2	A00002		IBM Infoprint 1222		
3	A00003		IBM Infoprint 1226		
4	A00004		HP Color Laser Jet 5		
5	A00005		HP Color Laser Jet 4		
6					

Sales Employee

Bill Levine

Owner

Total Before Discount

\$ 2,250.00

Discount

%

Freight

☐ Rounding

\$ 0.00

Tax

\$ 185.63

Total

\$ 2,435.63

Remarks

Add

Cancel

Copy From

Copy To

- Click the **Fire Macro** button on the **Sales Order** screen.

Sales Order

Customer: C30000
 Name: Microchips
 Contact Person: Judy Brown
 Customer Ref. No.:
 BP Currency: \$

No.: Primary 258
 Status: Open
 Posting Date: 02/01/2013
 Delivery Date: 02/01/2013
 Document Date: 02/01/2013

Fire Macro

Contents | Logistics | Accounting | Attachments

Item/Service Type: Item Summary Type: No Summary

#	Item No.	BP Catalog No.	Item Description	UCC 128 Kit ID	Kit Desc...
2	A00002		IBM Infoprint 1222		
3	A00003		IBM Infoprint 1226		
4	A00004		HP Color Laser Jet 5		
5	A00005		HP Color Laser Jet 4		
6					

Sales Employee: Bill Levine
 Owner:

Total Before Discount: \$ 2,250.00
 Discount: %
 Freight: \$ 0.00
☐ Rounding
 Tax: \$ 185.63
 Total: \$ 2,435.63

Remarks:

Add **Cancel** **Copy From** **Copy To**

- The designated Line is removed from the Sales Order.
- Click the **Fire Macro** button on the **Sales Order** screen again.

Sales Order

Customer: C30000
 Name: Microchips
 Contact Person: Judy Brown
 Customer Ref. No.:
 BP Currency: \$

No.: Primary 258
 Status: Open
 Posting Date: 02/01/2013
 Delivery Date: 02/01/2013
 Document Date: 02/01/2013

Fire Macro

Contents | **Logistics** | **Accounting** | **Attachments**

Item/Service Type	Item	Summary Type	No Summary
#	Item No.	BP Catalog No.	Item Description
3	A00003		IBM Infoprint 1226
4	A00004		HP Color Laser Jet 5
5	A00005		HP Color Laser Jet 4
6			

UCC 128 Kit ID Kit Desc...

Sales Employee: Bill Levine
 Owner:

Total Before Discount: \$ 2,250.00
 Discount: %
 Freight: \$ 0.00
☐ Rounding
 Tax: \$ 185.63
 Total: \$ 2,435.63

Remarks:

Add **Cancel** **Copy From** **Copy To**

- The designated Line is again removed from the Sales Order.

How To Use the DisableItem Action Type

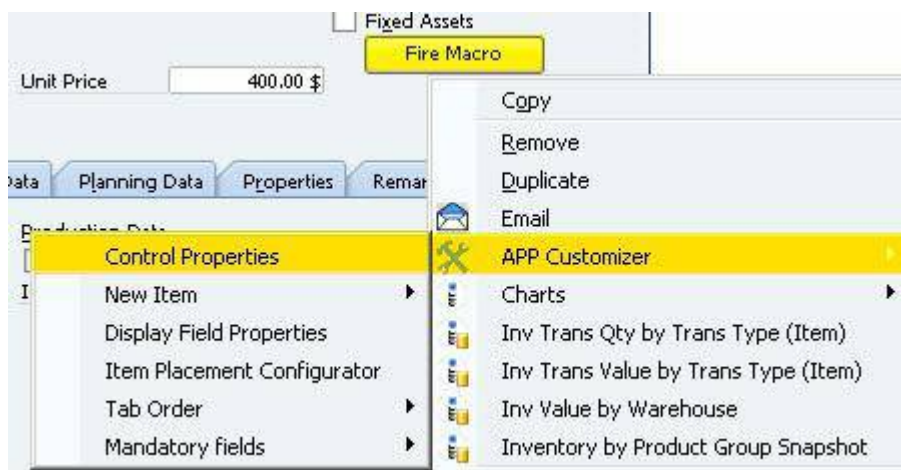


This example is for the **Item Master Data** screen.

- Click the SAP menu option titled **Item Master Data** under the **Inventory** menu to load the **Inventory Master Data** screen.
- Determine the item that you want to establish process rules for (**Fire Macro** button for this example).



The right-click menu should be launched while the mouse is on top of the item.



- Select the **Control Properties** option from the **APP Customizer** menu group option from the right-click menu on the form to load the **Item Properties/Events** screen.

Item Properties/Events

Form

150

Item UID

TwBS_BN1

Item Type

BUTTON

Column UID

☒ Active

Properties

Events

Event	Define	Remove
CLICK	Define	
COMBO SELECT	Define	
DOUBLE CLICK	Define	
GOT FOCUS	Define	
ITEM PRESSED	Edit	Remove
KEY DOWN	Define	
LOST FOCUS	Define	
MATRIX LINK PRESSED	Define	
PICKER CLICKED	Define	
VALIDATE	Define	

Apply

Apply & Close

Close

- Select the **Events** tab.
- Click the **Define** or **Edit** button on the Event that you want to record the process rules macro for. This will launch the **Process Rules Event Handler** screen.

Event Handler

Event Description:

Event:

Form Type:

Item UID:

Applicable Users: ...

☐ Exclude Selected Items

☒ No Validation

Execute Procedure: ...

☐ Simple Validation

Source Field:

Operation:

Source Value:

Execute Procedure: ...

☐ Query Validation

SQL:

	Value	Procedure		
*				

Link

☒ Active

☐ Show Procedures Linked to Current Form

Inner Event

☐ True

☒ False

☐ Ignore

Before Action

☐ True

☒ False

☐ Ignore

Action Success

☐ True

☒ False

☐ Ignore

☐ FIND MODE

☒ OK MODE

☒ UPDATE MODE

☒ ADD MODE

☐ VIEW MODE

☐ PRINT MODE

☐ EDIT MODE

Apply Apply & Close Close

- Click the ... button next to the procedure to be executed. This will launch the **Procedure Handler** screen.

Procedure Handler

Procedure ID:

Procedure Name:

Alerts | Queries | Macro

Record

Stop

Load MacroEditor

Remove Procedure

OK Cancel

- Click the **Load Macro Editor** button on the **Procedure Handler** screen. This will launch the **Macro Editor** screen.

Action Types	Form TypeEx	Menu ID	Variable	Item UID	Column	Row	Value	Comments	Active
DisableItem	150			39		-1			☒
						-1			☒

Save Save & Close Cancel

- Select the **DisableItem** option from the **Action Types** drop down column.
- The APP application will clear any existing parameter values. Any parameter value columns that are not optional (identified in yellow) or required (identified in red) will be deactivated (identified in gray).
- Complete the information needed for the **DisableItem** Macro Action Type that you want to execute.
- Complete any other information and/or Action Types required to complete your Macro.
- Click the **Save & Close** button.
- Click the **OK** button on the **Procedure Handler** screen.

Event Handler

Event Description:

Event:

Form Type:

Item UID:

Link: ☒ Active
☐ Show Procedures Linked to Current Form

Applicable Users: ...

☐ Exclude Selected Items

☒ No Validation

Execute Procedure: ...

☐ Simple Validation

Source Field:

Operation:

Source Value:

Execute Procedure: ...

☐ Query Validation

SQL:

	Value	Procedure		
*				

Inner Event: ☐ True
☒ False
☐ Ignore

Before Action: ☒ True
☐ False
☐ Ignore

Action Success: ☐ True
☒ False
☐ Ignore

☐ FIND MODE
☒ OK MODE
☒ UPDATE MODE
☒ ADD MODE
☐ VIEW MODE
☐ PRINT MODE
☐ EDIT MODE

Apply Apply & Close Close

- Set the **Before Action** value to **True**.
- Click the **Save & Close** button on the **Process Rules Event Handler** screen.
- Click the **Save & Close** button on the **Item Properties/Events** screen.

Item Master Data

Item No. Bar Code

Description

Foreign Name

Item Type

Item Group

Price List Unit Price

☒ Inventory Item
☒ Sales Item
☒ Purchase Item
☐ Fixed Assets

Fire Macro

- Click the **Fire Macro** button on the **Item Master Data** screen.

Item Master Data

Item No.	Manual	A00001	Bar Code		☒ Inventory Item
Description	IBM Infoprint 1312			☒ Sales Item	
Foreign Name				☒ Purchase Item	
Item Type	Items			☐ Fixed Assets	
Item Group	IBM Printers			Fire Macro	
Price List	Base Price			Unit Price	400.00 \$

- The specified field is disabled.

How To Use the DoubleClick Action Type



This example is for the **Item Master Data** screen.

- Click the SAP menu option titled **Item Master Data** under the **Inventory** menu to load the **Inventory Master Data** screen.
- Determine the item that you want to establish process rules for (**Fire Macro** button for this example).

Item Master Data

Item No.	Manual	A00001	Bar Code		☒ Inventory Item
Description	IBM Infoprint 1312			☒ Sales Item	
Foreign Name				☒ Purchase Item	
Item Type	Items			☐ Fixed Assets	
Item Group	IBM Printers			Fire Macro	
Price List	Base Price			Unit Price	400.00 \$

General | Purchasing Data | Sales Data | Inventory Data | Planning Data | Properties | Remarks | Attachments

Production Data

☒ Tax Liabile ☐ Phantom Item

Manufacturer: IBM

Additional Identifier:

Shipping Type: Fedex EM

Issue Method: Backflush

Serial and Batch Numbers

Manage Item by: None

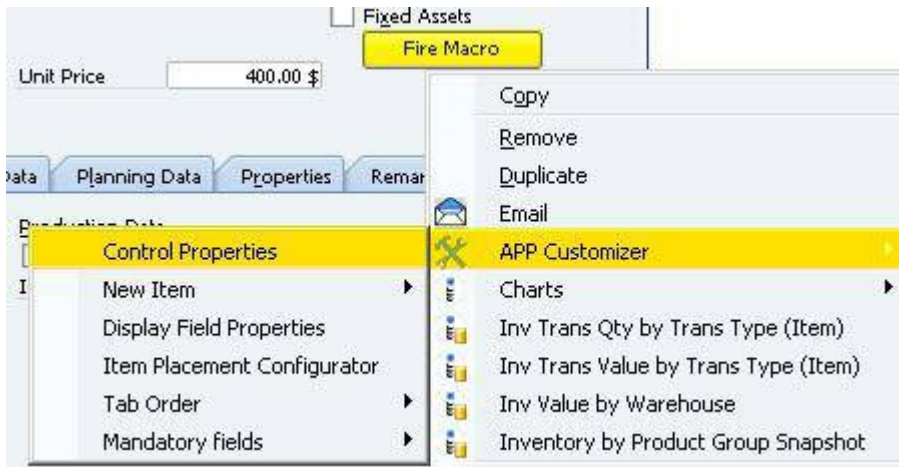
☒ Active ☐ Inactive ☐ Advanced

From: To: Remarks:

OK **Cancel**



The right-click menu should be launched while the mouse is on top of the item.



- Select the **Control Properties** option from the **APP Customizer** menu group option from the right-click menu on the form to load the **Item Properties/Events** screen.

Item Properties/Events

Form: 150 ☒ Active

Item UID: TWBS_BN1

Item Type: BUTTON

Column UID:

Properties Events

Event	Define	Remove
CLICK	Define	
COMBO SELECT	Define	
DOUBLE CLICK	Define	
GOT FOCUS	Define	
ITEM PRESSED	Edit	Remove
KEY DOWN	Define	
LOST FOCUS	Define	
MATRIX LINK PRESSED	Define	
PICKER CLICKED	Define	
VALIDATE	Define	

Apply Apply & Close Close

- Select the **Events** tab.
- Click the **Define** or **Edit** button on the Event that you want to record the process rules macro for. This will launch the **Process Rules Event Handler** screen.

Event Handler

Event Description:

Event:

Form Type:

Item UID:

Link: ☒ Active
☐ Show Procedures Linked to Current Form

Applicable Users: ...

☐ Exclude Selected Items

☒ No Validation

Execute Procedure: ...

☐ Simple Validation

Source Field:

Operation:

Source Value:

Execute Procedure: ...

☐ Query Validation

SQL:

	Value	Procedure		
*				

Inner Event: ☐ True
☒ False
☐ Ignore

Before Action: ☐ True
☒ False
☐ Ignore

Action Success: ☐ True
☒ False
☐ Ignore

☐ FIND MODE
☒ OK MODE
☒ UPDATE MODE
☒ ADD MODE
☐ VIEW MODE
☐ PRINT MODE
☐ EDIT MODE

Apply Apply & Close Close

- Click the ... button next to the procedure to be executed. This will launch the **Procedure Handler** screen.

Procedure Handler

Procedure ID:

Procedure Name:

Alerts | Queries | Macro

Record

Stop

Load MacroEditor

Remove Procedure

OK Cancel

- Click the **Load Macro Editor** button on the **Procedure Handler** screen. This will launch the **Macro Editor** screen.

Action Types	Form TypeEx	Menu ID	Variable	Item-UID	Column	Row	Value	Comments	Active
DoubleClick	150			7		-1			☒
						-1			☒

Save Save & Close Cancel

- Select the **DoubleClick** option from the **Action Types** drop down column.
- The APP application will clear any existing parameter values. Any parameter value columns that are not optional (identified in yellow) or required (identified in red) will be deactivated (identified in gray).
- Complete the information needed for the **DoubleClick** Macro Action Type that you want to execute.
- Complete any other information and/or Action Types required to complete your Macro.
- Click the **Save & Close** button.
- Click the **OK** button on the **Procedure Handler** screen.

Event Handler

Event Description:

Event:

Form Type:

Item UID:

Link: ☒ Active
☐ Show Procedures Linked to Current Form

Applicable Users: ...

☐ Exclude Selected Items

☒ No Validation

Execute Procedure: ...

☐ Simple Validation

Source Field:

Operation:

Source Value:

Execute Procedure: ...

☐ Query Validation

SQL:

	Value	Procedure		
*				

Inner Event: ☐ True
☒ False
☐ Ignore

Before Action: ☒ True
☐ False
☐ Ignore

Action Success: ☐ True
☒ False
☐ Ignore

☐ FIND MODE
☒ OK MODE
☒ UPDATE MODE
☒ ADD MODE
☐ VIEW MODE
☐ PRINT MODE
☐ EDIT MODE

Apply Apply & Close Close

- Set the **Before Action** value to **True**.
- Click the **Save & Close** button on the **Process Rules Event Handler** screen.
- Click the **Save & Close** button on the **Item Properties/Events** screen.
- Click the **Fire Macro** button on the **Item Master Data** screen.

Item Master Data

Item No.: Bar Code:

Description:

Foreign Name:

Item Type:

Item Group:

Price List: Unit Price:

☒ Inventory Item
☒ Sales Item
☒ Purchase Item
☐ Fixed Assets

Fire Macro

- The specified macro action is executed.

How To Use the EnableItem Action Type



This example is for the **Item Master Data** screen.

- Click the SAP menu option titled **Item Master Data** under the **Inventory** menu to load the **Inventory Master Data** screen.
- Determine the item that you want to establish process rules for (**Fire Macro** button for this example).

Item Master Data

Item No. Manual A00001 Bar Code

Description IBM Infoprint 1312

Foreign Name

Item Type Items

Item Group IBM Printers

Price List Base Price Unit Price 400.00 \$

☒ Inventory Item ☒ Sales Item ☒ Purchase Item ☐ Fixed Assets

Fire Macro

General Purchasing Data Sales Data Inventory Data Planning Data Properties Remarks Attachments

☒ Tax Liabilities

Production Data

☐ Phantom Item

Issue Method Backflush

Manufacturer IBM

Additional Identifier

Shipping Type Fedex EM

Serial and Batch Numbers

Manage Item by None

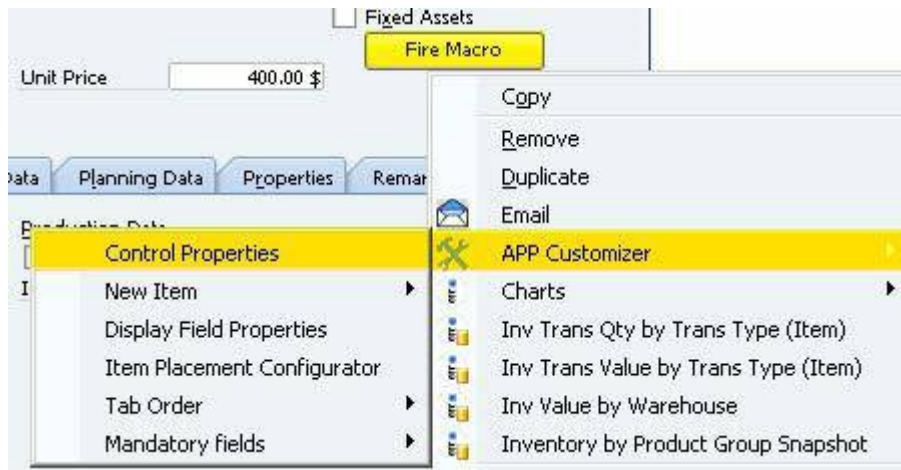
☒ Active ☐ Inactive ☐ Advanced

From To Remarks

OK **Cancel**



The right-click menu should be launched while the mouse is on top of the item.



- Select the **Control Properties** option from the **APP Customizer** menu group option from the right-click menu on the form to load the **Item Properties/Events** screen.

Item Properties/Events

Form: 150
 Item UID: TWBS_BN1
 Item Type: BUTTON
 Column UID:
☒ Active

Properties Events

Event	Define	Remove
CLICK	Define	
COMBO SELECT	Define	
DOUBLE CLICK	Define	
GOT FOCUS	Define	
ITEM PRESSED	Edit	Remove
KEY DOWN	Define	
LOST FOCUS	Define	
MATRIX LINK PRESSED	Define	
PICKER CLICKED	Define	
VALIDATE	Define	

Apply Apply & Close Close

- Select the **Events** tab.
- Click the **Define** or **Edit** button on the Event that you want to record the process rules macro for. This will launch the **Process Rules Event Handler** screen.

Event Handler

Event Description:

Event:

Form Type:

Item UID:

Applicable Users: ...

☐ Exclude Selected Items

☒ No Validation

Execute Procedure: ...

☐ Simple Validation

Source Field:

Operation:

Source Value:

Execute Procedure: ...

☐ Query Validation

SQL:

	Value	Procedure		
*				

Link

☒ Active

☐ Show Procedures Linked to Current Form

Inner Event

☐ True

☒ False

☐ Ignore

Before Action

☐ True

☒ False

☐ Ignore

Action Success

☐ True

☒ False

☐ Ignore

☐ FIND MODE

☒ OK MODE

☒ UPDATE MODE

☒ ADD MODE

☐ VIEW MODE

☐ PRINT MODE

☐ EDIT MODE

Apply Apply & Close Close

- Click the ... button next to the procedure to be executed. This will launch the **Procedure Handler** screen.

Procedure Handler

Procedure ID:

Procedure Name:

Alerts | Queries | Macro

Record

Stop

Load MacroEditor

Remove Procedure

OK Cancel

- Click the **Load Macro Editor** button on the **Procedure Handler** screen. This will launch the **Macro Editor** screen.

Action Types	Form TypeEx	Menu ID	Variable	Item UID	Column	Row	Value	Comments	Active
EnableItem	150			39		-1			☒
						-1			☒

Save Save & Close Cancel

- Select the **EnableItem** option from the **Action Types** drop down column.
- The APP application will clear any existing parameter values. Any parameter value columns that are not optional (identified in yellow) or required (identified in red) will be deactivated (identified in gray).
- Complete the information needed for the **EnableItem** Macro Action Type that you want to execute.
- Complete any other information and/or Action Types required to complete your Macro.
- Click the **Save & Close** button.
- Click the **OK** button on the **Procedure Handler** screen.

Event Handler

Event Description:

Event:

Form Type:

Item UID:

Applicable Users:

☐ Exclude Selected Items

☒ No Validation

Execute Procedure:

☐ Simple Validation

Source Field:

Operation:

Source Value:

Execute Procedure:

☐ Query Validation

SQL:

	Value	Procedure		
*				

Link

☒ Active

☐ Show Procedures Linked to Current Form

Inner Event

☐ True

☒ False

☐ Ignore

Before Action

☒ True

☐ False

☐ Ignore

Action Success

☐ True

☒ False

☐ Ignore

☐ FIND MODE

☒ OK MODE

☒ UPDATE MODE

☒ ADD MODE

☐ VIEW MODE

☐ PRINT MODE

☐ EDIT MODE

- Set the **Before Action** value to **True**.
- Click the **Save & Close** button on the **Process Rules Event Handler** screen.
- Click the **Save & Close** button on the **Item Properties/Events** screen.

Item Master Data

Item No. Bar Code

Description

Foreign Name

Item Type

Item Group

Price List Unit Price

☒ Inventory Item

☒ Sales Item

☒ Purchase Item

☐ Fixed Assets

- Click the **Fire Macro** button on the **Item Master Data** screen.

The screenshot shows the 'Item Master Data' window in SAP. It contains the following fields and values:

Field	Value
Item No.	Manual A00001
Description	IBM Infoprint 1312
Foreign Name	
Item Type	Items
Item Group	IBM Printers
Price List	Base Price
Bar Code	
Unit Price	400.00 \$

On the right side, there are checkboxes for:

- ☒ Inventory Item
- ☒ Sales Item
- ☒ Purchase Item
- ☐ Fixed Assets

A yellow button labeled 'Fire Macro' is located at the bottom right of the form.

- The specified macro action is executed.

How To Use the EndWhile Type



This example is for the **Item Master Data** screen.



This example is a dual example of the **While** and **EndWhile** Action Types.

- Click the SAP menu option titled **Item Master Data** under the **Inventory** menu to load the **Inventory Master Data** screen.
- Determine the item that you want to establish process rules for (**Fire Macro** button for this example).

Item Master Data

Item No. Manual A00001 Bar Code ☒ Inventory Item

Description IBM Infoprint 1312 ☒ Sales Item

Foreign Name ☒ Purchase Item

Item Type Items ☐ Fixed Assets

Item Group IBM Printers

Price List Base Price Unit Price 400.00 \$ **Fire Macro**

General Purchasing Data Sales Data Inventory Data Planning Data Properties Remarks Attachments

☒ Tax Liabilities

Production Data

☐ Phantom Item

Issue Method Backflush

Manufacturer IBM

Additional Identifier

Shipping Type Fedex EM

Serial and Batch Numbers

Manage Item by None

☒ Active From To Remarks

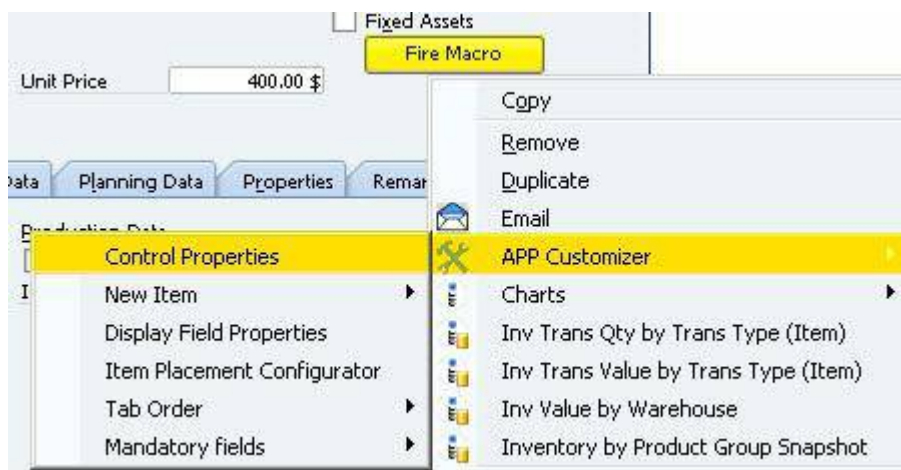
☐ Inactive

☐ Advanced

OK **Cancel**



The right-click menu should be launched while the mouse is on top of the item.



- Select the **Control Properties** option from the **APP Customizer** menu group option from the right-click menu on the form to load the **Item Properties/Events** screen.

Item Properties/Events

Form: 150

Item UID: TWBS_BN1

Item Type: BUTTON

Column UID:

☒ Active

Properties Events

Event	Event Description	Define/Edit	Remove
ITEM PRESSED		Define	Remove
KEY DOWN			
GOT FOCUS			
LOST FOCUS			
COMBO SELEC			
CLICK			
DOUBLE CLICK			
MATRIX LINK P			

Export Apply Apply & Close Close

- Select the **Events** tab.
- Choose the **Event** that you want to record the process rules macro for.
- Click the **Define** or **Edit** button on the Event that you want to record the process rules macro for. This will launch the **Process Rules Event Handler** screen.

Event Handler

Event Description			
Event	ITEM PRESSED		
Sort Order	100		
Form Type	150		
Item UID	TWBS_BN1		
Column UID			
Menu Item UID			
Applicable Users			...

☐ Exclude Selected Items

☒ No Validation

Execute Procedure ...

☐ Simple Validation

Source Field

Operation

Source Value

Execute Procedure ...

☐ Query Validation

SQL

Value	Procedure		

General

☒ Active

☐ Show Procedures Linked to Current Form

Inner Event

☐ True

☐ False

☒ Ignore

Before Action

☐ True

☒ False

☐ Ignore

Action Success

☒ True

☐ False

☐ Ignore

☐ FIND MODE

☒ OK MODE

☒ UPDATE MODE

☒ ADD MODE

☐ VIEW MODE

☐ PRINT MODE

☐ EDIT MODE

Export Apply Apply & Close Close

- Click the ... button next to the procedure to be executed. This will launch the **Procedure Handler** screen.

Procedure Handler

Procedure ID: 76

Procedure Name: Macro Sample Test

Default SAP Action: ☒ Continue ☐ Block

Create Menu Shortcut

Macro | Alerts | Queries

Record

Stop

Load MacroEditor

APP Macro already exists

Remove Procedure Export OK Cancel

- Click the **Load Macro Editor** button on the **Procedure Handler** screen. This will launch the **Macro Editor** screen.

Line Number	Action Types	Form TypeEx	Menu ID	Variable	Item UID	Column	Row	Value	Comments	Active
1	GetField/Value	150		Variable1	186					☒
2	While							Variable1 = '123'		☒
3	Set Status Bar							Stuck in a Loop Error Short		☒
4	GetField/Value	150		Variable1	186					☒
5	EndWhile									☒
6										☒

Save Save & Close Cancel

- Select the **While** option from the **Action Types** drop down column.
- The APP application will clear any existing parameter values. Any parameter value columns that are not optional (identified in yellow) or required (identified in red) will be deactivated (identified in gray).
- Complete the information needed for the **While** Macro Action Type that you want to execute.
- Select the **End While** option from the **Action Types** drop down column.
- The APP application will clear any existing parameter values. Any parameter value columns that are not optional (identified in yellow) or required (identified in red) will be deactivated (identified in gray).
- Complete the information needed for the **End While** Macro Action Type that you want to execute.
- Complete any other information and/or Action Types required to complete your Macro.

- Click the **Save & Close** button.
- Click the **OK** button on the **Procedure Handler** screen.

Event Handler

Event Description:

Event:

Sort Order:

Form Type:

Item UID:

Column UID:

Menu Item UID:

Applicable Users: ...

☐ Exclude Selected Items

☒ No Validation

Execute Procedure: ...

☐ Simple Validation

Source Field:

Operation:

Source Value:

Execute Procedure: ...

☐ Query Validation

SQL:

Value	Procedure		

General

☒ Active

☐ Show Procedures Linked to Current Form

Inner Event

☐ True

☐ False

☒ Ignore

Before Action

☐ True

☒ False

☐ Ignore

Action Success

☒ True

☐ False

☐ Ignore

☐ FIND MODE

☒ OK MODE

☒ UPDATE MODE

☒ ADD MODE

☐ VIEW MODE

☐ PRINT MODE

☐ EDIT MODE

Export

Apply Apply & Close Close

- Set the **Before Action** value to **False**.
- Click the **Save & Close** button on the **Process Rules Event Handler** screen.
- Click the **Save & Close** button on the **Item Properties/Events** screen.
- Click the **Fire Macro** button on the **Item Master Data** screen.

How To Use the ExecuteSQL Type



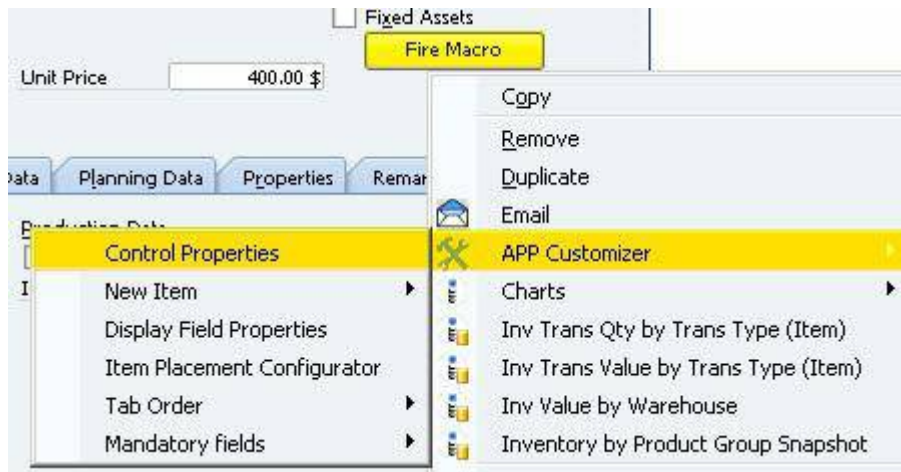


This example is for the **Item Master Data** screen.

- Click the SAP menu option titled **Item Master Data** under the **Inventory** menu to load the **Inventory Master Data** screen.
- Determine the item that you want to establish process rules for (**Fire Macro** button for this example).



The right-click menu should be launched while the mouse is on top of the item.



- Select the **Control Properties** option from the **APP Customizer** menu group option from the right-click menu on the form to load the **Item Properties/Events** screen.

Item Properties/Events

Form: 150 ☒ Active

Item UID: TWBS_BN1

Item Type: BUTTON

Column UID:

Properties Events

Event	Event Description	Define/Edit	Remove
ITEM PRESSED		Define	Remove
KEY DOWN			
GOT FOCUS			
LOST FOCUS			
COMBO SELEC			
CLICK			
DOUBLE CLICK			
MATRIX LINK P			

Export Apply Apply & Close Close

- Select the **Events** tab.
- Choose the **Event** that you want to record the process rules macro for.
- Click the **Define** or **Edit** button on the Event that you want to record the process rules macro for. This will launch the **Process Rules Event Handler** screen.

Event Handler

Event Description:

Event:

Sort Order:

Form Type:

Item UID:

Column UID:

Menu Item UID:

Applicable Users: ...

☐ Exclude Selected Items

☒ No Validation

Execute Procedure: ...

☐ Simple Validation

Source Field:

Operation:

Source Value:

Execute Procedure: ...

☐ Query Validation

SQL:

Value	Procedure		

General

☒ Active

☐ Show Procedures Linked to Current Form

Inner Event

☐ True

☐ False

☒ Ignore

Before Action

☐ True

☒ False

☐ Ignore

Action Success

☒ True

☐ False

☐ Ignore

☐ FIND MODE

☒ OK MODE

☒ UPDATE MODE

☒ ADD MODE

☐ VIEW MODE

☐ PRINT MODE

☐ EDIT MODE

Export

Apply Apply & Close Close

- Click the ... button next to the procedure to be executed. This will launch the **Procedure Handler** screen.

Procedure Handler

Procedure ID: 76

Procedure Name: Macro Sample Test

Default SAP Action: ☒ Continue ☐ Block

Create Menu Shortcut

Macro | Alerts | Queries

Record

Stop

Load MacroEditor

APP Macro already exists

Remove Procedure Export OK Cancel

- Click the **Load Macro Editor** button on the **Procedure Handler** screen. This will launch the **Macro Editor** screen.

Macro Editor

Line Number	Action Types	Form TypeEx	Menu ID	Variable	Item UID	Column	Row	Value	Comments	Active
1	ExecuteSQL	150						UPDATE <Table> SET <Column1> = '<Value>'WHE...		☒
2										☒

Validate Macro Save Save & Close Cancel

Executes an SQL statement

- Select the **ExecuteSQL** option from the **Action Types** drop down column.
- The APP application will clear any existing parameter values. Any parameter value columns that are not optional (identified in yellow) or required (identified in red) will be deactivated (identified in gray).
- Click in the **Value** column of the **Macro Editor** screen for the **ExecuteSQL** Action Type. This will load the **Macro Editor Values Entry** screen.

Enter Value

UPDATE <Table> SET <Column1> = '<Value>' WHERE
<Column2> = '<Condition>'

Command
ExecuteSQL

Syntax
<SQL statement>

Arguments
<SQL statement> :- SQL
Statement that need to get
executed.

Example
INSERT INTO TABLE1 (COL1)
VALUES(38)

OK Cancel

- Enter the SQL statement to be executed in the **Macro Editor Values Entry** screen.
- Click the **OK** button to return to the **Macro Editor** screen.
- Complete the information needed for the **ExecuteSQL** Macro Action Type that you want to execute.
- Complete any other information and/or Action Types required to complete your Macro.
- Click the **Save & Close** button.
- Click the **OK** button on the **Procedure Handler** screen.

Event Handler

Event Description:

Event:

Sort Order:

Form Type:

Item UID:

Column UID:

Menu Item UID:

Applicable Users: ...

☐ Exclude Selected Items

☒ No Validation

Execute Procedure: ...

☐ Simple Validation

Source Field:

Operation:

Source Value:

Execute Procedure: ...

☐ Query Validation

SQL:

Value	Procedure		

General

☒ Active

☐ Show Procedures Linked to Current Form

Inner Event

☐ True

☐ False

☒ Ignore

Before Action

☐ True

☒ False

☐ Ignore

Action Success

☒ True

☐ False

☐ Ignore

☐ FIND MODE

☒ OK MODE

☒ UPDATE MODE

☒ ADD MODE

☐ VIEW MODE

☐ PRINT MODE

☐ EDIT MODE

Export

Apply Apply & Close Close

- Set the **Before Action** value to **False**.
- Click the **Save & Close** button on the **Process Rules Event Handler** screen.
- Click the **Save & Close** button on the **Item Properties/Events** screen.
- Click the **Fire Macro** button on the Item Master Data screen to execute your SQL statement.

How To Use the FormClose Action Type



This example is for the **Item Master Data** screen.

- Click the SAP menu option titled **Item Master Data** under the **Inventory** menu to load the **Inventory Master Data** screen.
- Determine the item that you want to establish process rules for (**Fire Macro** button for this example).

Item Master Data

Item No. Manual A00001 Bar Code ☒ Inventory Item

Description IBM Infoprint 1312 ☒ Sales Item

Foreign Name ☒ Purchase Item

Item Type Items ☐ Fixed Assets

Item Group IBM Printers

Price List Base Price Unit Price 400.00 \$ **Fire Macro**

General Purchasing Data Sales Data Inventory Data Planning Data Properties Remarks Attachments

☒ Tax Liabilities ☐ Phantom Item

Manufacturer IBM Issue Method Backflush

Additional Identifier

Shipping Type Fedex EM

Serial and Batch Numbers

Manage Item by None

☒ Active From To Remarks

☐ Inactive

☐ Advanced

OK **Cancel**



The right-click menu should be launched while the mouse is on top of the item.

Unit Price 400.00 \$ **Fire Macro**

Planning Data Properties Remarks

Control Properties

New Item

Display Field Properties

Item Placement Configurator

Tab Order

Mandatory fields

Copy

Remove

Duplicate

Email

APP Customizer

Charts

Inv Trans Qty by Trans Type (Item)

Inv Trans Value by Trans Type (Item)

Inv Value by Warehouse

Inventory by Product Group Snapshot

- Select the **Control Properties** option from the **APP Customizer** menu group option from the right-click menu on the form to load the **Item Properties/Events** screen.

Item Properties/Events

Form150

Item UIDTwBS_BN1

Item TypeBUTTON

Column UID

☒ Active

Properties

Events

Event	Define	Remove
CLICK	Define	
COMBO SELECT	Define	
DOUBLE CLICK	Define	
GOT FOCUS	Define	
ITEM PRESSED	Edit	Remove
KEY DOWN	Define	
LOST FOCUS	Define	
MATRIX LINK PRESSED	Define	
PICKER CLICKED	Define	
VALIDATE	Define	

Apply

Apply & Close

Close

- Select the **Events** tab.
- Choose the **Event** that you want to record the process rules macro for.
- Click the **Define** or **Edit** button on the Event that you want to record the process rules macro for. This will launch the **Process Rules Event Handler** screen.

Event Handler

Event Description			
Event	et_ITEM_PRESSED		
Form Type	150		
Item UID	TwBS_BN1		

Link
☒ Active
☐ Show Procedures Linked to Current Form

Applicable Users: ...
☐ Exclude Selected Items

☒ No Validation
 Execute Procedure: ...

☐ Simple Validation
 Source Field:
 Operation:
 Source Value:
 Execute Procedure: ...

☐ Query Validation
 SQL:

	Value	Procedure		
*				

Inner Event
☐ True
☒ False
☐ Ignore

Before Action
☐ True
☒ False
☐ Ignore

Action Success
☐ True
☒ False
☐ Ignore

☐ FIND MODE
☒ OK MODE
☒ UPDATE MODE
☒ ADD MODE
☐ VIEW MODE
☐ PRINT MODE
☐ EDIT MODE

- Click the ... button next to the procedure to be executed. This will launch the **Procedure Handler** screen.

the **Procedure Handler** screen.

Procedure Handler

Procedure ID: 11

Procedure Name: Shipping Type Click

Alerts | Queries | **Macro**

Record

Stop

Load MacroEditor

Remove Procedure

OK Cancel

- Click the **Load Macro Editor** button on the **Procedure Handler** screen. This will launch the **Macro Editor** screen.

Macro Editor

Action Types	Form TypeEx	Menu ID	Variable	Item UID	Column	Row	Value	Comments	Active
MenuClick		2050				-1			☒
ItemClick	139			4		-1			☒
ItemClick	139			54		-1			☒
ItemClick	139			14		-1			☒
FormClose	139					-1			☒

Save Save & Close Cancel

- Select the **FormClose** option from the **Action Types** drop down column.
- The APP application will clear any existing parameter values. Any parameter value columns that are not optional (identified in yellow) or required (identified in red) will be deactivated (identified in gray).
- Complete the information needed for the **FormClose** Macro Action Type that you want to execute.



The form to be closed **must** have been opened in the **same** macro session.

- Complete any other information and/or Action Types required to complete your Macro.
- Click the **Save & Close** button.
- Click the **OK** button on the **Procedure Handler** screen.

Event Handler

Event Description:

Event:

Form Type:

Item UID:

Applicable Users: ...

☐ Exclude Selected Items

☒ No Validation

Execute Procedure: ...

☐ Simple Validation

Source Field:

Operation:

Source Value:

Execute Procedure: ...

☐ Query Validation

SQL:

	Value	Procedure		
*				

Link

☒ Active

☐ Show Procedures Linked to Current Form

Inner Event

☐ True

☒ False

☐ Ignore

Before Action

☒ True

☐ False

☐ Ignore

Action Success

☐ True

☒ False

☐ Ignore

☐ FIND MODE

☒ OK MODE

☒ UPDATE MODE

☒ ADD MODE

☐ VIEW MODE

☐ PRINT MODE

☐ EDIT MODE

Apply Apply & Close Close

- Set the **Before Action** value to **True**.
- Click the **Save & Close** button on the **Process Rules Event Handler** screen.
- Click the **Save & Close** button on the **Item Properties/Events** screen.
- Click the **Fire Macro** button on the **Item Master Data** screen.

Sales Order

Customer:

Name:

Contact Person:

Customer Ref. No.:

Local Currency:

☒ Approved

Test Button

No. Primary 250

Status Open

Posting Date 02/27/2012

Delivery Date

Document Date 02/27/2012

Inventory Item

Sales Item

Purchase Item

Fixed Assets

Fire Macro



The screenshot shows the 'Item Master Data' form with the following fields and values:

Field	Value
Item No.	Manual A00001
Description	IBM Infoprint 1312
Foreign Name	
Item Type	Items
Item Group	IBM Printers
Price List	Base Price
Unit Price	400.00 \$

On the right side, there are checkboxes for 'Inventory Item', 'Sales Item', 'Purchase Item', and 'Fixed Assets', all of which are checked. A 'Fire Macro' button is located below these checkboxes.

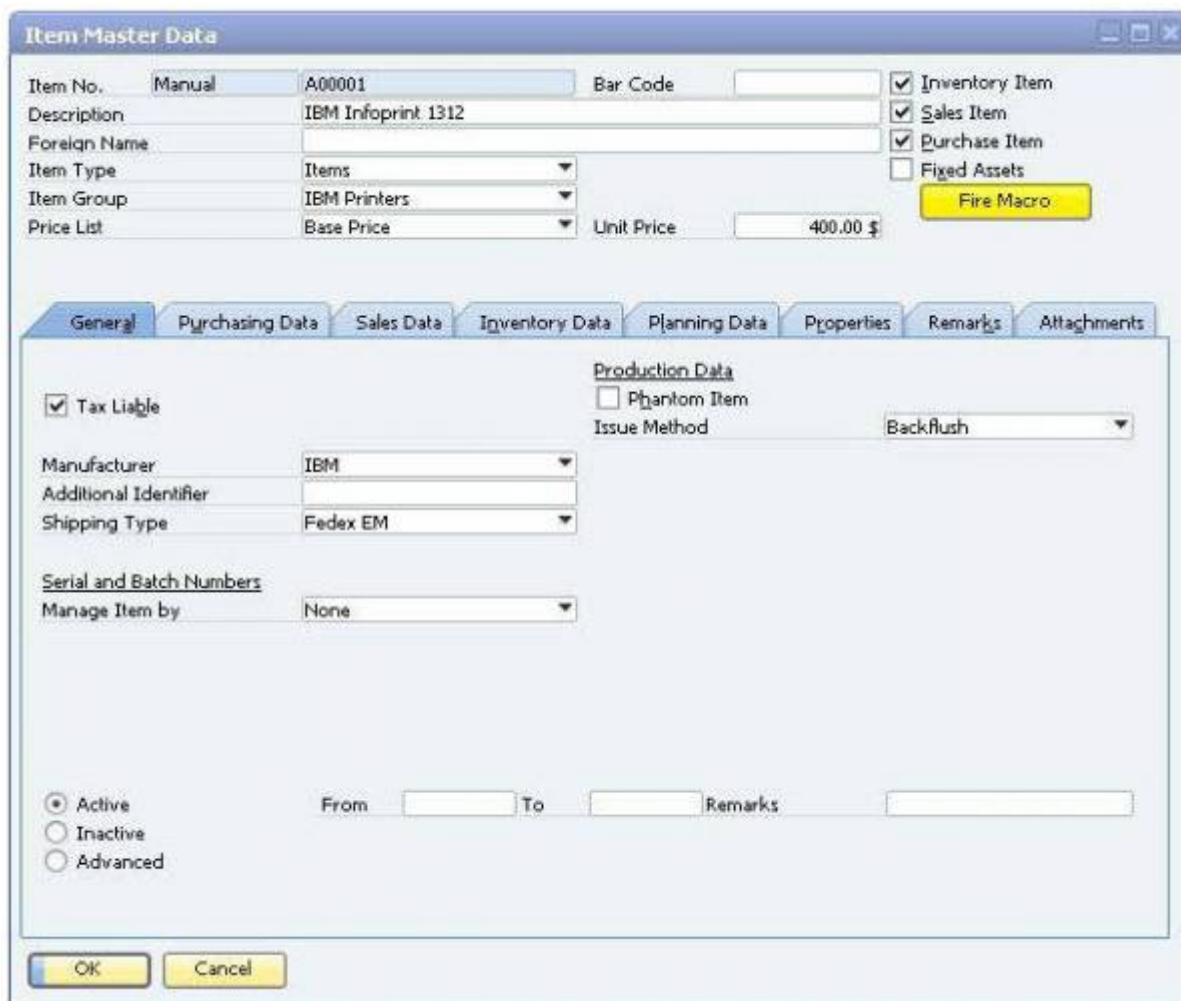
- The specified macro action is executed.

How To Use the GetFieldValue Action Type - Status Bar Example



This example is for the **Item Master Data** screen.

- Click the SAP menu option titled **Item Master Data** under the **Inventory** menu to load the **Inventory Master Data** screen.
- Determine the item that you want to establish process rules for (**Fire Macro** button for this example).



The screenshot shows the 'Item Master Data' form with the 'Inventory Data' tab selected. The fields and values are as follows:

Field	Value
Item No.	Manual A00001
Description	IBM Infoprint 1312
Foreign Name	
Item Type	Items
Item Group	IBM Printers
Price List	Base Price
Unit Price	400.00 \$

On the right side, there are checkboxes for 'Inventory Item', 'Sales Item', 'Purchase Item', and 'Fixed Assets', all of which are checked. A 'Fire Macro' button is located below these checkboxes.

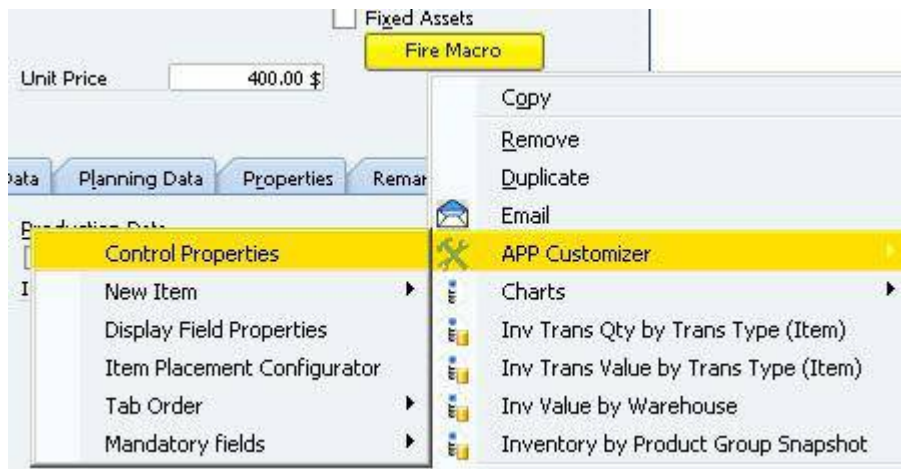
The 'Inventory Data' tab is active, showing the following fields:

Field	Value
Tax Liabie	☒
Manufacturer	IBM
Additional Identifier	
Shipping Type	Fedex EM
Serial and Batch Numbers	
Manage Item by	None

At the bottom, there are radio buttons for 'Active', 'Inactive', and 'Advanced'. The 'Active' radio button is selected. There are also fields for 'From', 'To', and 'Remarks'.



The right-click menu should be launched while the mouse is on top of the item.



- Select the **Control Properties** option from the **APP Customizer** menu group option from the right-click menu on the form to load the **Item Properties/Events** screen.

Item Properties/Events

Form: 150 ☒ Active

Item UID: TWBS_BN1

Item Type: BUTTON

Column UID:

Properties Events

Event	Define	Remove
CLICK	Define	
COMBO SELECT	Define	
DOUBLE CLICK	Define	
GOT FOCUS	Define	
ITEM PRESSED	Edit	Remove
KEY DOWN	Define	
LOST FOCUS	Define	
MATRIX LINK PRESSED	Define	
PICKER CLICKED	Define	
VALIDATE	Define	

Apply Apply & Close Close

- Select the **Events** tab.
- Choose the **Event** that you want to record the process rules macro for.
- Click the **Define** or **Edit** button on the Event that you want to record the process rules macro for. This will launch the **Process Rules Event Handler** screen.

Event Handler

Event Description:

Event:

Form Type:

Item UID:

Applicable Users: ...

☐ Exclude Selected Items

☒ No Validation

Execute Procedure: ...

☐ Simple Validation

Source Field:

Operation:

Source Value:

Execute Procedure: ...

☐ Query Validation

SQL:

	Value	Procedure		
*				

Link

☒ Active

☐ Show Procedures Linked to Current Form

Inner Event

☐ True

☒ False

☐ Ignore

Before Action

☐ True

☒ False

☐ Ignore

Action Success

☐ True

☒ False

☐ Ignore

☐ FIND MODE

☒ OK MODE

☒ UPDATE MODE

☒ ADD MODE

☐ VIEW MODE

☐ PRINT MODE

☐ EDIT MODE

Apply Apply & Close Close

- Click the ... button next to the procedure to be executed. This will launch the **Procedure Handler** screen.

Procedure Handler

Procedure ID:

Procedure Name:

Alerts | Queries | Macro

Record

Stop

Load MacroEditor

Remove Procedure

OK Cancel

- Click the **Load Macro Editor** button on the **Procedure Handler** screen. This will launch the **Macro Editor** screen.

The screenshot shows the 'Macro Editor' window with a table containing the following data:

Line Number	Action Types	Form TypeEx	Menu ID	Variable	Item UID	Column	Row	Value	Comments	Active
1	GetFieldValue	150		Value1	5					☒
2	GetFieldValue	150		Value2	7					☒
3	Set Status Bar							Item #Value1 - Value2 IS ON SALE!!! EVERYTHING MUST...		☒
4										☒

At the bottom of the window, there is a status bar with the text: 'Gets an Item Value and sets to a Variable in Variable column'. To the right of the status bar are three buttons: 'Save', 'Save & Close', and 'Cancel'.

- Select the **GetFieldValue** option from the **Action Types** drop down column.
- The APP application will clear any existing parameter values. Any parameter value columns that are not optional (identified in yellow) or required (identified in red) will be deactivated (identified in gray).
- Complete the information needed for the **GetFieldValue** Macro Action Type that you want to execute.



This example is being combined with the **SetStatusBar** action to pull the **Item Code** and **Item Name** values into variables and use a variable substitution to assign those values into the text of the status bar message.

- Complete any other information and/or Action Types required to complete your Macro.
- Click the **Save & Close** button.
- Click the **OK** button on the **Procedure Handler** screen.

Event Handler

Event Description:

Event:

Form Type:

Item UID:

Link: ☒ Active ☐ Show Procedures Linked to Current Form

Applicable Users: ...

☐ Exclude Selected Items

☒ No Validation

Execute Procedure: ...

☐ Simple Validation

Source Field:

Operation:

Source Value:

Execute Procedure: ...

☐ Query Validation

SQL:

	Value	Procedure		
*				

Inner Event: ☐ True ☒ False ☐ Ignore

Before Action: ☒ True ☐ False ☐ Ignore

Action Success: ☐ True ☒ False ☐ Ignore

☐ FIND MODE ☒ OK MODE ☒ UPDATE MODE ☒ ADD MODE ☐ VIEW MODE ☐ PRINT MODE ☐ EDIT MODE

Apply Apply & Close Close

- Set the **Before Action** value to **True**.
- Click the **Save & Close** button on the **Process Rules Event Handler** screen.
- Click the **Save & Close** button on the **Item Properties/Events** screen.
- Click the **Fire Macro** button on the **Item Master Data** screen.

 Item #A00006 - HP 600 Series Inc IS ON SALE!!! EVERYTHING MUST GO!!!

- The specified message, with variable substitutions, appears on the SAP status bar.

How To Use the GetFieldValue Action Type - Field Example



This example is for the **Item Master Data** screen.

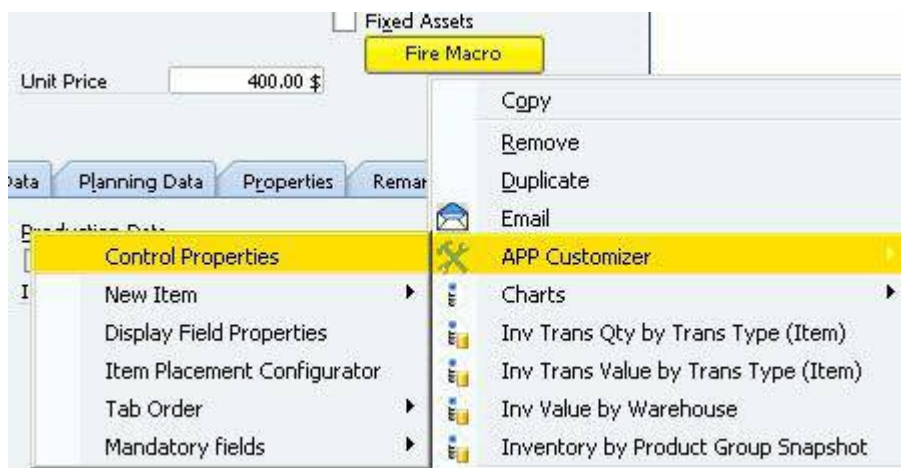
- Click the SAP menu option titled **Item Master Data** under the **Inventory** menu to load the

Inventory Master Data screen.

- Determine the item that you want to establish process rules for (**Fire Macro** button for this example).



The right-click menu should be launched while the mouse is on top of the item.



- Select the **Control Properties** option from the **APP Customizer** menu group option from the right-click menu on the form to load the **Item Properties/Events** screen.

Item Properties/Events

Form

150

Item UID

TwBS_BN1

Item Type

BUTTON

Column UID

☒ Active

Properties

Events

Event	Define	Remove
CLICK	Define	
COMBO SELECT	Define	
DOUBLE CLICK	Define	
GOT FOCUS	Define	
ITEM PRESSED	Edit	Remove
KEY DOWN	Define	
LOST FOCUS	Define	
MATRIX LINK PRESSED	Define	
PICKER CLICKED	Define	
VALIDATE	Define	

Apply

Apply & Close

Close

- Select the **Events** tab.
- Choose the **Event** that you want to record the process rules macro for.
- Click the **Define** or **Edit** button on the Event that you want to record the process rules macro for. This will launch the **Process Rules Event Handler** screen.

Event Handler

Event Description:

Event:

Form Type:

Item UID:

Applicable Users: ...

☐ Exclude Selected Items

☒ No Validation

Execute Procedure: ...

☐ Simple Validation

Source Field:

Operation:

Source Value:

Execute Procedure: ...

☐ Query Validation

SQL:

	Value	Procedure		
*				

Link

☒ Active

☐ Show Procedures Linked to Current Form

Inner Event

☐ True

☒ False

☐ Ignore

Before Action

☐ True

☒ False

☐ Ignore

Action Success

☐ True

☒ False

☐ Ignore

☐ FIND MODE

☒ OK MODE

☒ UPDATE MODE

☒ ADD MODE

☐ VIEW MODE

☐ PRINT MODE

☐ EDIT MODE

Apply Apply & Close Close

- Click the ... button next to the procedure to be executed. This will launch the **Procedure Handler** screen.

Procedure Handler

Procedure ID:

Procedure Name:

Alerts | Queries | Macro

Record

Stop

Load MacroEditor

Remove Procedure

OK Cancel

- Click the **Load Macro Editor** button on the **Procedure Handler** screen. This will launch the **Macro Editor** screen.

Action Types	Form TypeEx	Menu ID	Variable	Item UID	Column	Row	Value	Comments	Active
GetFieldValue	150		Value1	5		-1			☒
GetFieldValue	150		Value2	7		-1			☒
SetFieldValue	150			44		-1	{Value1} - Value2		☒
						-1			☒

Save Save & Close Cancel

- Select the **GetFieldValue** option from the **Action Types** drop down column.
- The APP application will clear any existing parameter values. Any parameter value columns that are not optional (identified in yellow) or required (identified in red) will be deactivated (identified in gray).
- Complete the information needed for the **GetFieldValue** Macro Action Type that you want to execute.



This example is being combined with the **SetFieldValue** action to pull the **Item Code** and **Item Name** values into variables and use a variable substitution to assign those values into the field being assigned through the macro action.

- Complete any other information and/or Action Types required to complete your Macro.
- Click the **Save & Close** button.
- Click the **OK** button on the **Procedure Handler** screen.

Event Handler

Event Description:

Event:

Form Type:

Item UID:

Applicable Users:

☐ Exclude Selected Items

☒ No Validation

Execute Procedure:

☐ Simple Validation

Source Field:

Operation:

Source Value:

Execute Procedure:

☐ Query Validation

SQL:

	Value	Procedure		
*				

Link

☒ Active

☐ Show Procedures Linked to Current Form

Inner Event

☐ True

☒ False

☐ Ignore

Before Action

☒ True

☐ False

☐ Ignore

Action Success

☐ True

☒ False

☐ Ignore

☐ FIND MODE

☒ OK MODE

☒ UPDATE MODE

☒ ADD MODE

☐ VIEW MODE

☐ PRINT MODE

☐ EDIT MODE

- Set the **Before Action** value to **True**.
- Click the **Save & Close** button on the **Process Rules Event Handler** screen.
- Click the **Save & Close** button on the **Item Properties/Events** screen.
- Click the **Fire Macro** button on the **Item Master Data** screen.

Item Master Data

Item No.: Bar Code:

Description:

Foreign Name:

Item Type:

Item Group:

Price List: Unit Price:

☒ Inventory Item

☒ Sales Item

☒ Purchase Item

☐ Fixed Assets

- The specified macro action is executed.

How To Use the GetSQLValue Action Type

Note - This example is for the Item Master Data screen.

- Click the SAP menu option titled **Item Master Data** under the **Inventory** menu to load the Inventory Master Data screen.
- Determine the item that you want to establish process rules for (**Fire Macro** button for this example).

Item Master Data

Item No. Bar Code ☒ Inventory Item
Description ☒ Sales Item
Foreign Name ☒ Purchase Item
Item Type ☐ Fixed Assets
Item Group
Price List Unit Price

General Purchasing Data Sales Data Inventory Data Planning Data Properties Remarks Attachments

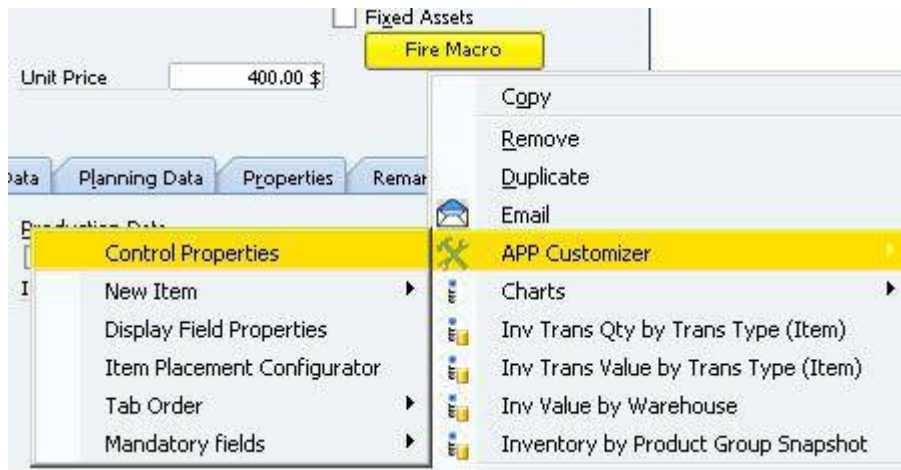
☒ Tax Liabilities Production Data
☐ Phantom Item
Issue Method

Manufacturer
Additional Identifier
Shipping Type

Serial and Batch Numbers
Manage Item by

☒ Active ☐ Inactive ☐ Advanced
From To Remarks

Note - The right-click menu should be launched while the mouse is on top of the item.



Select the **Control Properties** option from the **APP Customizer** menu group option from the right-click menu on the form to load the ****Item** **Properties/Events**** screen.

The screenshot shows the 'Item Properties/Events' screen. The 'Form' field is set to '150', 'Item UID' is 'TWBS_BN1', 'Item Type' is 'BUTTON', and 'Column UID' is empty. The 'Active' checkbox is checked. The 'Events' tab is selected, showing a table of events with 'Define' and 'Remove' buttons for each event. The 'ITEM PRESSED' event is highlighted with the 'Edit' button.

Event	Define	Remove
CLICK	Define	
COMBO SELECT	Define	
DOUBLE CLICK	Define	
GOT FOCUS	Define	
ITEM PRESSED	Edit	Remove
KEY DOWN	Define	
LOST FOCUS	Define	
MATRIX LINK PRESSED	Define	
PICKER CLICKED	Define	
VALIDATE	Define	

Buttons at the bottom: Apply, Apply & Close, Close.

Select the **Events** tab.

•

Click the **Define** or **Edit** button on the Event that you want to record the **process rules macro** for. This will launch the ****Process Rules Event** **Handler**** screen.

•

Event Handler

Event Description:

Event:

Form Type:

Item UID:

Link: ☒ Active
☐ Show Procedures Linked to Current Form

Applicable Users: ...

☐ Exclude Selected Items

☒ No Validation

Execute Procedure: ...

☐ Simple Validation

Source Field:

Operation:

Source Value:

Execute Procedure: ...

☐ Query Validation

SQL:

	Value	Procedure		
*				

Inner Event: ☐ True
☒ False
☐ Ignore

Before Action: ☐ True
☒ False
☐ Ignore

Action Success: ☐ True
☒ False
☐ Ignore

☐ FIND MODE
☒ OK MODE
☒ UPDATE MODE
☒ ADD MODE
☐ VIEW MODE
☐ PRINT MODE
☐ EDIT MODE

Apply Apply & Close Close

Click the ... button next to the procedure to be executed. This will launch the **Procedure Handler** screen.

Procedure Handler

Procedure ID:

Procedure Name:

Alerts Queries Macro

Record

Stop

Load MacroEditor

Remove Procedure

OK Cancel

Click the **Load Macro Editor** button on the ****Procedure Handler**** screen.

This will launch the ****Macro Editor**** screen.

Action Types	Form TypeEx	Menu ID	Variable	Item UID	Column	Row	Value	Comment	Active
GetSQLValue	150		Var1			-1	SELECT I.ItemCode + '-' + CONVERT(nvarchar,I.ItmsGrpCod) + ': ' + I.ItemName AS...		☒
SetField/Value	150		Var1	44		-1			☒
						-1			☒

Select the **GetSQLValue** option from the **Action Types** drop down column.

The APP application will clear any existing parameter values. Any parameter value columns that are not optional (identified in yellow) or required (identified in red) will be deactivated (identified in gray). Complete the information needed for the **GetSQLValue** Macro Action Type that you want to execute.

Note - The complete SQL query used for this example is **SELECT**

I.ItemCode + '-' + CONVERT(nvarchar,I.ItmsGrpCod) + ': ' + I.ItemName AS [Frng] FROM OITM I (NOLOCK) WHERE ItemCode = \$[\$5.0.0].

Complete any other information and/or Action Types required to complete your Macro.

Click the **Save & Close** button.

Click the **OK** button on the ****Procedure Handler**** screen.

Event Handler

Event Description		Link
Event	et_ITEM_PRESSED	☒ Active
Form Type	150	☐ Show Procedures Linked to Current Form
Item UID	TwBS_BN1	

Applicable Users		...
☐ Exclude Selected Items		

☒ No Validation

Execute Procedure: 11-Shipping Type Click ...

☐ Simple Validation

Source Field:

Operation: Equal

Source Value:

Execute Procedure: None ...

☐ Query Validation

SQL:

	Value	Procedure		
*				

☐ FIND MODE
☒ OK MODE
☒ UPDATE MODE
☒ ADD MODE
☐ VIEW MODE
☐ PRINT MODE
☐ EDIT MODE

Inner Event

☐ True
☒ False
☐ Ignore

Before Action

☒ True
☐ False
☐ Ignore

Action Success

☐ True
☒ False
☐ Ignore

Apply Apply & Close Close

Set the **Before Action** value to **True**.

•

Click the ****Save & Close**** button on the ****Process Rules Event** **Handler**** screen.

••

Click the **Save & Close** button on the ****Item Properties/Events**** screen.

Click the **Fire Macro** button on the Item Master Data screen.

Item Master Data

Item No.	Manual	A00001	Bar Code		☒ Inventory Item
Description	IBM Infoprint 1312			☒ Sales Item	
Foreign Name	A00001-101: IBM Infoprint 1312			☒ Purchase Item	
Item Type	Items			☐ Fixed Assets	
Item Group	IBM Printers			Fire Macro	
Price List	Base Price	Unit Price	400.00 \$		

The specified macro actions are executed.

How To Use the HideItem Action Type



This example is for the **Item Master Data** screen.

- Click the SAP menu option titled **Item Master Data** under the **Inventory** menu to load the **Inventory Master Data** screen.
- Determine the item that you want to establish process rules for (**Fire Macro** button for this example).

Item Master Data

Item No. Manual A00001 Bar Code ☒ Inventory Item
 Description IBM Infoprint 1312 ☒ Sales Item
 Foreign Name ☒ Purchase Item
 Item Type Items ☐ Fixed Assets
 Item Group IBM Printers
 Price List Base Price Unit Price 400.00 \$

General Purchasing Data Sales Data Inventory Data Planning Data Properties Remarks Attachments

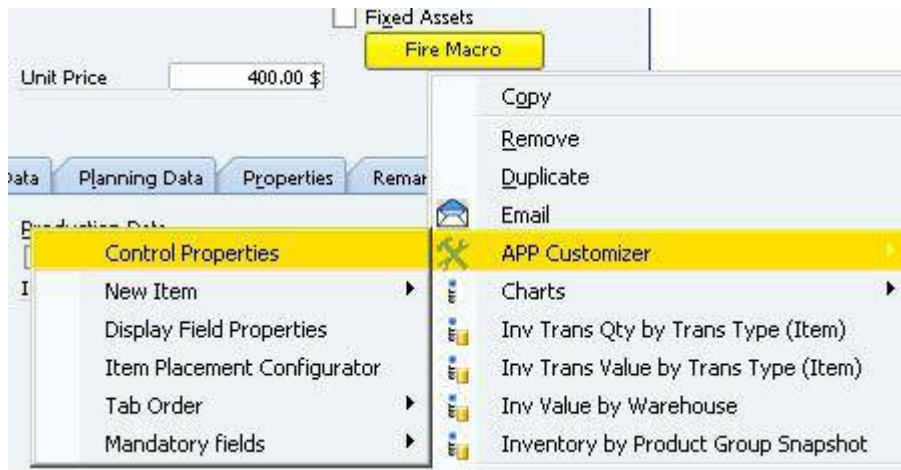
☒ Tax Liabie Production Data
☐ Phantom Item
 Manufacturer IBM Issue Method Backflush
 Additional Identifier
 Shipping Type Fedex EM

Serial and Batch Numbers
 Manage Item by None

☒ Active From To Remarks
☐ Inactive
☐ Advanced



The right-click menu should be launched while the mouse is on top of the item.



- Select the **Control Properties** option from the **APP Customizer** menu group option from the right-click menu on the form to load the **Item Properties/Events** screen.

Item Properties/Events

Form: 150
 Item UID: TWBS_BN1
 Item Type: BUTTON
 Column UID:
☒ Active

Properties Events

Event	Define	Remove
CLICK	Define	
COMBO SELECT	Define	
DOUBLE CLICK	Define	
GOT FOCUS	Define	
ITEM PRESSED	Edit	Remove
KEY DOWN	Define	
LOST FOCUS	Define	
MATRIX LINK PRESSED	Define	
PICKER CLICKED	Define	
VALIDATE	Define	

Apply Apply & Close Close

- Select the **Events** tab.
- Choose the **Event** that you want to record the process rules macro for.
- Click the **Define** or **Edit** button on the Event that you want to record the process rules macro for. This will launch the **Process Rules Event Handler** screen.

Event Handler

Event Description:

Event:

Form Type:

Item UID:

Link: ☒ Active
☐ Show Procedures Linked to Current Form

Applicable Users: ...

☐ Exclude Selected Items

☒ No Validation

Execute Procedure: ...

☐ Simple Validation

Source Field:

Operation:

Source Value:

Execute Procedure: ...

☐ Query Validation

SQL:

	Value	Procedure		
*				

Inner Event: ☐ True
☒ False
☐ Ignore

Before Action: ☐ True
☒ False
☐ Ignore

Action Success: ☐ True
☒ False
☐ Ignore

☐ FIND MODE
☒ OK MODE
☒ UPDATE MODE
☒ ADD MODE
☐ VIEW MODE
☐ PRINT MODE
☐ EDIT MODE

Apply Apply & Close Close

- Click the ... button next to the procedure to be executed. This will launch the **Procedure Handler** screen.

Procedure Handler

Procedure ID:

Procedure Name:

Alerts | Queries | Macro

Record

Stop

Load MacroEditor

Remove Procedure

OK Cancel

- Click the **Load Macro Editor** button on the **Procedure Handler** screen. This will launch the **Macro Editor** screen.

Action Types	Form TypeEx	Menu ID	Variable	Item UID	Column	Row	Value	Comments	Active
Hideltem	150			34		-1			☒
						-1			☒

Save Save & Close Cancel

- Select the **Hideltem** option from the **Action Types** drop down column.
- The APP application will clear any existing parameter values. Any parameter value columns that are not optional (identified in yellow) or required (identified in red) will be deactivated (identified in gray).
- Complete the information needed for the **Hideltem** Macro Action Type that you want to execute.
- Complete any other information and/or Action Types required to complete your Macro.
- Click the **Save & Close** button.
- Click the **OK** button on the **Procedure Handler** screen.

Event Handler

Event Description:

Event:

Form Type:

Item UID:

Link: ☒ Active
☐ Show Procedures Linked to Current Form

Applicable Users: ...

☐ Exclude Selected Items

☒ No Validation

Execute Procedure: ...

☐ Simple Validation

Source Field:

Operation:

Source Value:

Execute Procedure: ...

☐ Query Validation

SQL:

	Value	Procedure		
*				

Inner Event: ☐ True
☒ False
☐ Ignore

Before Action: ☒ True
☐ False
☐ Ignore

Action Success: ☐ True
☒ False
☐ Ignore

☐ FIND MODE
☒ OK MODE
☒ UPDATE MODE
☒ ADD MODE
☐ VIEW MODE
☐ PRINT MODE
☐ EDIT MODE

Apply Apply & Close Close

- Set the **Before Action** value to **True**.
- Click the **Save & Close** button on the **Process Rules Event Handler** screen.
- Click the **Save & Close** button on the **Item Properties/Events** screen.

Item Master Data

Item No. Bar Code

Description

Foreign Name

Item Type

Item Group

Price List

☒ Inventory Item
☒ Sales Item
☒ Purchase Item
☐ Fixed Assets

Unit Price

Fire Macro

- Click the **Fire Macro** button on the **Item Master Data** screen.

Item Master Data

Item No.	Manual	A00001	Bar Code		☒ Inventory Item
Description	IBM Infoprint 1312				☒ Sales Item
Foreign Name					☒ Purchase Item
Item Type	Items				☐ Fixed Assets
Item Group	IBM Printers				Fire Macro
Price List	Base Price			Unit Price	

- The specified macro action is executed.

How To Use the ItemClick Action Type



This example is for the **Item Master Data** screen.

- Click the SAP menu option titled **Item Master Data** under the **Inventory** menu to load the **Inventory Master Data** screen.
- Determine the item that you want to establish process rules for (**Fire Macro** button for this example).

Item Master Data

Item No.	Manual	A00001	Bar Code		☒ Inventory Item
Description	IBM Infoprint 1312				☒ Sales Item
Foreign Name					☒ Purchase Item
Item Type	Items				☐ Fixed Assets
Item Group	IBM Printers				Fire Macro
Price List	Base Price			Unit Price	400.00 \$

General | Purchasing Data | Sales Data | Inventory Data | Planning Data | Properties | Remarks | Attachments

Production Data

☒ Tax Liabilities

☐ Phantom Item

Issue Method: Backflush

Manufacturer: IBM

Additional Identifier:

Shipping Type: Fedex EM

Serial and Batch Numbers

Manage Item by: None

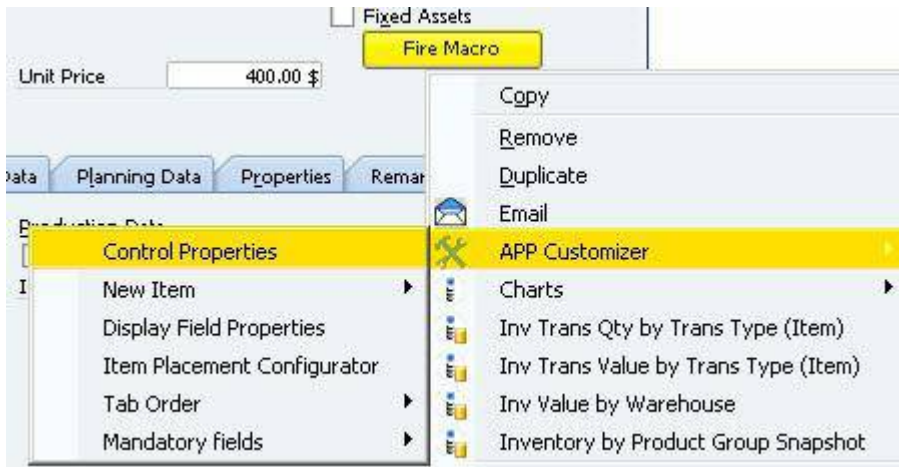
☒ Active ☐ Inactive ☐ Advanced

From: To: Remarks:

OK **Cancel**



The right-click menu should be launched while the mouse is on top of the item.



- Select the **Control Properties** option from the **APP Customizer** menu group option from the right-click menu on the form to load the **Item Properties/Events** screen.

Item Properties/Events

Form: 150 ☒ Active

Item UID: TWBS_BN1

Item Type: BUTTON

Column UID:

Properties Events

Event	Define	Remove
CLICK	Define	
COMBO SELECT	Define	
DOUBLE CLICK	Define	
GOT FOCUS	Define	
ITEM PRESSED	Edit	Remove
KEY DOWN	Define	
LOST FOCUS	Define	
MATRIX LINK PRESSED	Define	
PICKER CLICKED	Define	
VALIDATE	Define	

Apply Apply & Close Close

- Select the **Events** tab.
- Choose the **Event** that you want to record the process rules macro for.
- Click the **Define** or **Edit** button on the Event that you want to record the process rules macro for. This will launch the **Process Rules Event Handler** screen.

Event Handler

Event Description:

Event:

Form Type:

Item UID:

Applicable Users: ...

☐ Exclude Selected Items

☒ No Validation

Execute Procedure: ...

☐ Simple Validation

Source Field:

Operation:

Source Value:

Execute Procedure: ...

☐ Query Validation

SQL:

	Value	Procedure		
*				

Link

☒ Active

☐ Show Procedures Linked to Current Form

Inner Event

☐ True

☒ False

☐ Ignore

Before Action

☐ True

☒ False

☐ Ignore

Action Success

☐ True

☒ False

☐ Ignore

☐ FIND MODE

☒ OK MODE

☒ UPDATE MODE

☒ ADD MODE

☐ VIEW MODE

☐ PRINT MODE

☐ EDIT MODE

Apply Apply & Close Close

- Click the ... button next to the procedure to be executed. This will launch the **Procedure Handler** screen.

Procedure Handler

Procedure ID:

Procedure Name:

Alerts | Queries | Macro

Record

Stop

Load MacroEditor

Remove Procedure

OK Cancel

- Click the **Load Macro Editor** button on the **Procedure Handler** screen. This will launch the **Macro Editor** screen.

Action Types	Form TypeEx	Menu ID	Variable	Item UID	Column	Row	Value	Comments	Active
ItemClick	150			7		-1			☒
						-1			☒

Save Save & Close Cancel

- Select the **ItemClick** option from the **Action Types** drop down column.
- The APP application will clear any existing parameter values. Any parameter value columns that are not optional (identified in yellow) or required (identified in red) will be deactivated (identified in gray).
- Complete the information needed for the **ItemClick** Macro Action Type that you want to execute.
- Complete any other information and/or Action Types required to complete your Macro.
- Click the **Save & Close** button.
- Click the **OK** button on the **Procedure Handler** screen.

Event Handler

Event Description:

Event:

Form Type:

Item UID:

Link: ☒ Active
☐ Show Procedures Linked to Current Form

Applicable Users: ...

☐ Exclude Selected Items

☒ No Validation

Execute Procedure: ...

☐ Simple Validation

Source Field:

Operation:

Source Value:

Execute Procedure: ...

☐ Query Validation

SQL:

	Value	Procedure		
*				

Inner Event: ☐ True
☒ False
☐ Ignore

Before Action: ☒ True
☐ False
☐ Ignore

Action Success: ☐ True
☒ False
☐ Ignore

☐ FIND MODE
☒ OK MODE
☒ UPDATE MODE
☒ ADD MODE
☐ VIEW MODE
☐ PRINT MODE
☐ EDIT MODE

Apply Apply & Close Close

- Set the **Before Action** value to **True**.
- Click the **Save & Close** button on the **Process Rules Event Handler** screen.
- Click the **Save & Close** button on the **Item Properties/Events** screen.
- Click the **Fire Macro** button on the **Item Master Data** screen.

Item Master Data

Item No.: A00001 Bar Code:

Description:

Foreign Name:

Item Type:

Item Group:

Price List: Unit Price:

☒ Inventory Item
☒ Sales Item
☒ Purchase Item
☐ Fixed Assets

Fire Macro

- The specified macro action is executed.

How To Use the LineEvents Action Type

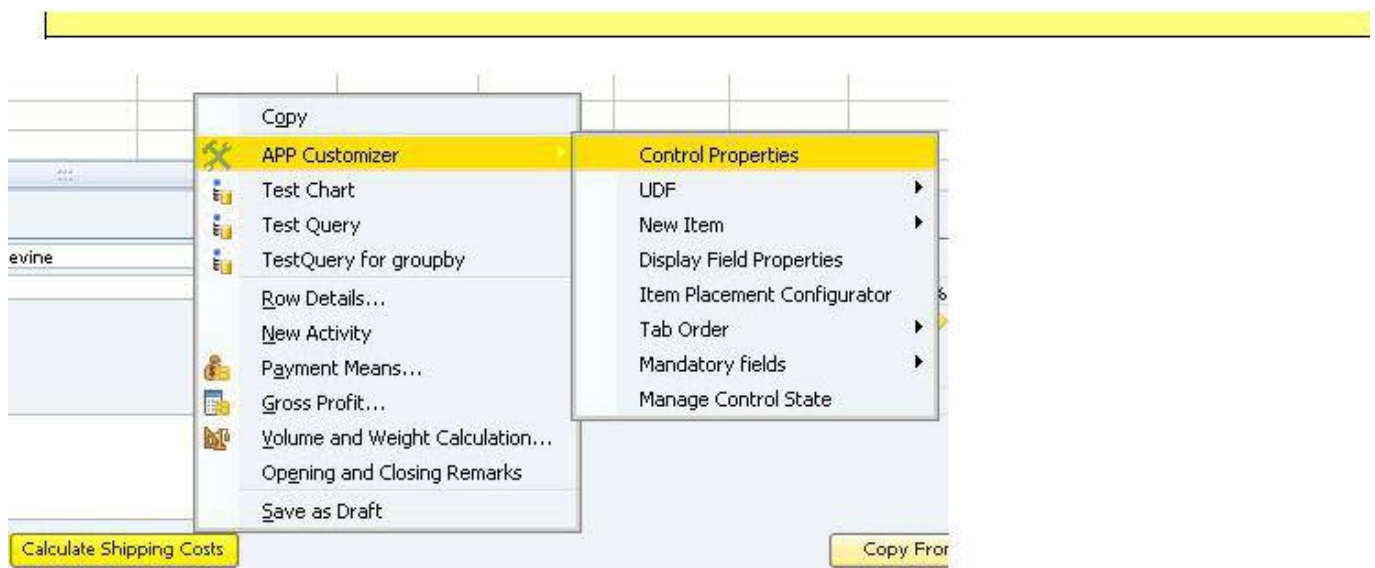


This example is for the **Sales Order** screen.

- Click the SAP menu option titled **Sales Order** under the **Sales - A/R** menu to load the **Sales Order** screen.
- Determine the item that you want to establish process rules for (**Calculate Shipping Costs** button for this example).



The right-click menu should be launched while the mouse is on top of the item.



- Select the **Control Properties** option from the **APP Customizer** menu group option from the right-click menu on the form to load the **Item Properties/Events** screen.

Item Properties/Events

Form: 139
Item UID: TwBS_BN1
Item Type: BUTTON
Column UID:
☒ Active

Properties Events

Event	Event Description	Define/Edit	Remove
ITEM PRESSE		Define	Remove

Export ▾ Apply Apply & Close Close

Select the **Events** tab.



- Select the **Events** tab.
- Choose the **Event** that you want to record the process rules macro for.
- Click the **Define** or **Edit** button on the Event that you want to record the process rules macro for. This will launch the **Process Rules Event Handler** screen.

Event Handler

Event Description: Macro Line Event Shipping Test

Event: ITEM PRESSED

Sort Order: 103

Form Type: 139

Item UID: TwBS_BN1

Column UID:

Menu Item UID:

Applicable Users:

☐ Exclude Selected Items

☒ No Validation

Execute Procedure: 7-Macro Sample Test

☐ Simple Validation

Source Field:

Operation: Equal

Source Value:

Execute Procedure: None

☐ Query Validation

SQL:

Value	Procedure

General

☒ Active

☐ Show Procedures Linked to Current Form

Inner Event

☐ True

☐ False

☒ Ignore

Before Action

☐ True

☒ False

☐ Ignore

Action Success

☒ True

☐ False

☐ Ignore

☐ FIND MODE

☒ OK MODE

☒ UPDATE MODE

☒ ADD MODE

☐ VIEW MODE

☐ PRINT MODE

☐ EDIT MODE

Export

Apply Apply & Close Close

- Enter the **Event Description** value.
- Select the validation type and procedure to be executed.
- Click the ... button next to the procedure to be executed. This will launch the **Procedure Handler** screen.

Procedure Handler

Procedure ID: 7

Procedure Name: Macro Sample Test

Default SAP Action: ☒ Continue ☐ Block

Create Menu Shortcut

Macro Alerts Queries

Record

Stop

Load MacroEditor

APP Macro already exists

Remove Procedure Export OK Cancel

- Click the **Load Macro Editor** button on the **Procedure Handler** screen. This will launch the **Macro Editor** screen.

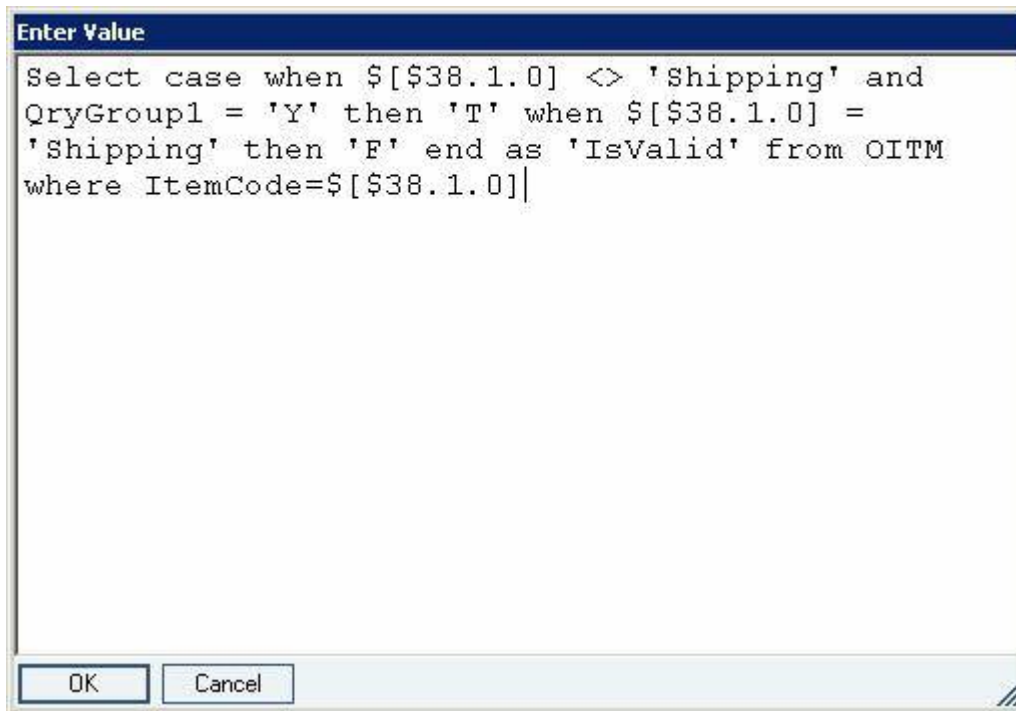
image580.jpeg_772x491_wrap_center_round_info_90_the_color

- Select an existing **Line Event** and click the **Load** button or click the **Define New** button to create a new Line Event.
- Designate the **Name** for the Line Event.
- Enter the unique ID for the form on which the Line Event will operate in the **Form Type** field.
- Enter the unique ID for the item on which the Line Event will operate in the **Item UID** field.



Line Events can be coded to **only** one form and item at a time.

- Select the validation to be used. For this example, I'll select the **Query Validation** option.
- Click in the **SQL** field.



Enter Value

```
Select case when $('[38.1.0]' <> 'Shipping' and
QryGroup1 = 'Y' then 'T' when $('[38.1.0]' =
'Shipping' then 'F' end as 'IsValid' from OITM
where ItemCode=$[38.1.0]
```

OK Cancel

- Enter the SQL Query to be used in the evaluation for validation.



For this example, the Query will determine if the **Item Code** <> "Shipping" and the **Item Property 1** checkbox is selected. If this criteria is met, the value will be "T", otherwise the value will be "F".

- Click the **OK** button.
- Enter the valid return values in the **Value** column.
- If the value returned should execute a procedure, select the procedure from the **Procedure for All** column.



For this example, the returned value "F" will execute a procedure to remove the line with the **Item Code** "Shipping".

- If the procedure needs to be modified, click the **Edit** button. This will launch the **Procedure Handler** screen.
- To remove a valid return value from the screen, click the **Remove** button.
- If the procedure to be executed returns a value to take action with, select the **Operation** option for the operation to be done with the value.
- Enter the logic to be evaluated with the **Operation** in the **Column** field.



For this example, the returned value "T" will obtain the value from the **APP Macro Ship Pct** user defined field from the **Item Master Data** screen, divide it by 100, and multiple it by the **Item Price** to **SUM** the shipping for each item on the order as it evaluates the lines of the Sales Order.

- Select the **Break Loop** checkbox if the valid return value should cause the Line Events to terminate.
- Repeat the process until all valid return value entries have been completed.

Line Events

Available Line Events: 3-CalcShipping Load Define New

Code: 3

Name: CalcShipping

FormType: 139

Item UID: 38 ☒ Ignore Last Row

☐ No Validation

Variable	Operation	Column

Procedure All Lines: None ...

☒ Query Validation

SQL: Select case when \${38.1.0} <> 'Shipping' and QryGroup1 = 'Y' then 'T' when \${38.1.0} = 'Shipping' then 'F' e

Value	Procedure for all			Operation	Column	Break Loop
T	None	Edit	Remove	Sum	`\${38.21.Number}*(select i...	☐
F	12-RemoveShipping	Edit	Remove			☐
						☐

Final result validation

Value	Procedure		
T	13-Add/UpdateShipping	Edit	Remove

Apply Apply & Close Close

- In the Final Result Validation section, enter the valid final result return values in the **Value** column.
- If the final result value returned should execute a procedure, select the procedure from the **Procedure** column.



For this example, the returned value “T” will execute a procedure to add a line with the **Item Code** “Shipping” to the order with the calculated total shipping cost.

- If the procedure needs to be modified, click the **Edit** button. This will launch the **Procedure Handler** screen.
- To remove a valid final result value from the screen, click the **Remove** button
- Click the **Save & Close** button on the **Macro Editor Line Events Values Entry** screen.
- Complete the information needed for the **LineEvents** Macro Action Type that you want to

execute.

- Complete any other information and/or Action Types required to complete your Macro.
- Click the **Save & Close** button.
- Click the **OK** button on the **Procedure Handler** screen.

Event Handler

Event Description: Macro Line Event Shipping Test

Event: ITEM PRESSED

Sort Order: 103

Form Type: 139

Item UID: TWBS_BN1

Column UID:

Menu Item UID:

Applicable Users:

☐ Exclude Selected Items

☒ No Validation

Execute Procedure: 7-Macro Sample Test

☐ Simple Validation

Source Field:

Operation: Equal

Source Value:

Execute Procedure: None

☐ Query Validation

SQL:

Value	Procedure		

General

☒ Active

☐ Show Procedures Linked to Current Form

Inner Event

☐ True

☐ False

☒ Ignore

Before Action

☐ True

☒ False

☐ Ignore

Action Success

☒ True

☐ False

☐ Ignore

☐ FIND MODE

☒ OK MODE

☒ UPDATE MODE

☒ ADD MODE

☐ VIEW MODE

☐ PRINT MODE

☐ EDIT MODE

Export

Apply Apply & Close Close

- Set the **Before Action** value to **False**.
- Click the **Save & Close** button on the **Process Rules Event Handler** screen.
- Click the **Save & Close** button on the **Item Properties/Events** screen.
- Create a Sales Order with multiple item lines.

Sales Order

Customer: C30000
 Name: Microchips
 Contact Person: Judy Brown
 Customer Ref. No.:
 BP Currency: \$

No. Primary: 260
 Status: Open
 Posting Date: 02/04/2013
 Delivery Date: 02/04/2013
 Document Date: 02/04/2013

Contents | Logistics | Accounting | Attachments

#	Item No.	BP Catalog No.	Item Description	UCC 128 Kit ID	Kit Description	Quantity	Unit Price	Total (LC)	Blan...	Payment ...
1	A00001		IBM Infoprint 1312			1	\$ 500.00	\$ 500.00		
2	A00002		IBM Infoprint 1222			1	\$ 250.00	\$ 250.00		
3	A00003		IBM Infoprint 1226			1	\$ 375.00	\$ 375.00		
0										
0										
0										
0										
4										

Sales Employee: Bill Levine
 Owner:

Remarks:

Total Before Discount: \$ 1,125.00
 Discount: %
 Freight: \$ 0.00
 Tax: \$ 92.81
 Total: \$ 1,217.81

Buttons: Add, Cancel, Calculate Shipping Costs, Copy From, Copy To

- Click the **Calculate Shipping Costs** button on the **Sales Order** screen.

System Message

Initiating Shipping Calculation Procedure!

Buttons: Okay, Cancel

- The initiating message box from the Macro is displayed to the user.

Sales Order

Customer: C30000
 Name: Microchips
 Contact Person: Judy Brown
 Customer Ref. No.:
 Local Currency:

No. Primary: 259
 Status: Open
 Posting Date: 02/04/2013
 Delivery Date: 02/04/2013
 Document Date: 02/04/2013

Contents Logistics Accounting Attachments

#	Item No.	BP Catalog No.	Item Description	UCC 128 Kit ID	Kit Description	Quantity	Unit Price	Total (LC)	Blanket Agreement	Payment Type in...
1	A00001		IBM Infoprint 1312			1	\$ 500.00	\$ 500.00		
2	A00002		IBM Infoprint 1222			1	\$ 250.00	\$ 250.00		
3	A00003		IBM Infoprint 1226			1	\$ 375.00	\$ 375.00		
4	Shipping		Shipping			1	\$ 53.75	\$ 53.75		
5										

Summary Type: No Summary

Sales Employee: Bill Levine
 Owner:

Remarks:

Total Before Discount: \$ 1,178.75
 Discount: %
 Freight:
 Rounding: \$ 0.00
 Tax: \$ 97.26
 Total: \$ 1,276.01

Calculate Shipping Costs

Update Cancel Copy From Copy To

- The **LineEvents** Action Type from the Macro is processed, with a new “Shipping” line being added to the Sales Order calculating a \$53.75 shipping cost.



Prior to the Macro execution, an item needs to be added to the Inventory with the Item Code “Shipping” for this example to complete successfully.

System Message

Completing Shipping Calculation Procedure!

Okay Cancel

- The terminating message box from the Macro is displayed to the user.

How To Use the LoadB1Query Action Type



This example is for the **Item Master Data** screen.

- Click the SAP menu option titled **Item Master Data** under the **Inventory** menu to load the **Inventory Master Data** screen.
- Determine the item that you want to establish process rules for (**Fire Macro** button for this example).



The right-click menu should be launched while the mouse is on top of the item.

- Select the **Control Properties** option from the **APP Customizer** menu group option from the right-click menu on the form to load the **Item Properties/Events** screen.

Item Properties/Events

Form150

Item UIDTwBS_BN1

Item TypeBUTTON

Column UID

☒ Active

Properties

Events

Event	Define	Remove
CLICK	Define	
COMBO SELECT	Define	
DOUBLE CLICK	Define	
GOT FOCUS	Define	
ITEM PRESSED	Edit	Remove
KEY DOWN	Define	
LOST FOCUS	Define	
MATRIX LINK PRESSED	Define	
PICKER CLICKED	Define	
VALIDATE	Define	

Apply

Apply & Close

Close

- Select the **Events** tab.
- Choose the **Event** that you want to record the process rules macro for.
- Click the **Define** or **Edit** button on the Event that you want to record the process rules macro for. This will launch the **Process Rules Event Handler** screen.

Event Handler

Event Description:

Event:

Form Type:

Item UID:

Applicable Users:

☐ Exclude Selected Items

☒ No Validation

Execute Procedure:

☐ Simple Validation

Source Field:

Operation:

Source Value:

Execute Procedure:

☐ Query Validation

SQL:

	Value	Procedure		
*				

Link

☒ Active

☐ Show Procedures Linked to Current Form

Inner Event

☐ True

☒ False

☐ Ignore

Before Action

☐ True

☒ False

☐ Ignore

Action Success

☐ True

☒ False

☐ Ignore

☐ FIND MODE

☒ OK MODE

☒ UPDATE MODE

☒ ADD MODE

☐ VIEW MODE

☐ PRINT MODE

☐ EDIT MODE

- Click the ... button next to the procedure to be executed. This will launch the **Procedure Handler** screen.

Procedure Handler

Procedure ID:

Procedure Name:

Alerts | Queries | Macro

Record

Stop

Load MacroEditor

Remove Procedure

- Click the **Load Macro Editor** button on the **Procedure Handler** screen. This will launch the **Macro Editor** screen.

Action Types	Form TypeEx	Menu ID	Variable	Item UID	Column	Row	Value	Comments	Active
LoadB1Query						-1	302-APP		☒
						-1			☒

- Select the **LoadB1Query** option from the **Action Types** drop down column.
- The APP application will clear any existing parameter values. Any parameter value columns that are not optional (identified in yellow) or required (identified in red) will be deactivated (identified in gray).
- Complete the information needed for the **LoadB1Query** Macro Action Type that you want to execute.
- The value for the B1 Query is determined by the following criteria...

- The first part of the B1 Query value is the form number associated with the SAP query window. This value can be determined by the associated number displayed in the system

information.

- The second part of the B1 Query value is the menu name (APP) associated with the SAP

query.

- Complete any other information and/or Action Types required to complete your Macro.
- Click the **Save & Close** button.
- Click the **OK** button on the **Procedure Handler** screen.

Event Handler

Event Description		Link ☒ Active ☐ Show Procedures Linked to Current Form
Event	et_ITEM_PRESSED	
Form Type	150	
Item UID	TwBS_BN1	

Applicable Users		...
☐ Exclude Selected Items		

☒ No Validation

Execute Procedure: 11-Shipping Type Click ...

☐ Simple Validation

Source Field	
Operation	Equal
Source Value	
Execute Procedure	None ...

☐ Query Validation

SQL

	Value	Procedure		
*				

Inner Event	☐ True ☒ False ☐ Ignore
Before Action	☒ True ☐ False ☐ Ignore
Action Success	☐ True ☒ False ☐ Ignore
☐ FIND MODE ☒ OK MODE ☒ UPDATE MODE ☒ ADD MODE ☐ VIEW MODE ☐ PRINT MODE ☐ EDIT MODE	

Apply Apply & Close Close

- Set the **Before Action** value to **True**.
- Click the **Save & Close** button on the **Process Rules Event Handler** screen.
- Click the **Save & Close** button on the **Item Properties/Events** screen.
- Click the **Fire Macro** button on the **Item Master Data** screen.

A/R Invoices for Adv Delivery

SELECT * from twbs_vw_app_arinv

#	Document Number	Posting Date	Document Status	Printed	Document Type	Customer/Vendor Code	C...
1	➔ 1	01/22/2006	C	N	I	➔ C20000	Norm
2	➔ 2	01/27/2006	C	N	I	➔ C30000	Micro
3	➔ 3	02/11/2006	C	N	I	➔ C40000	Earth
4	➔ 4	02/16/2006	C	N	I	➔ C23900	Paran
5	➔ 5	02/12/2006	C	N	I	➔ C42000	Mashi
6	➔ 6	03/09/2006	C	N	I	➔ C30000	Micro
7	➔ 7	03/15/2006	C	N	I	➔ C40000	Earth
8	➔ 8	03/19/2006	C	N	I	➔ C20000	Norm

Execute Cancel Show Chart Upload to BI OnDemand Save Open

- The SAP form to display the query is opened.



The SAP form will be used to display the query even if the **TWBS Visual Query Editor** screen is the preferred display option in the query definition.

How To Use the LoadUserTable Action Type

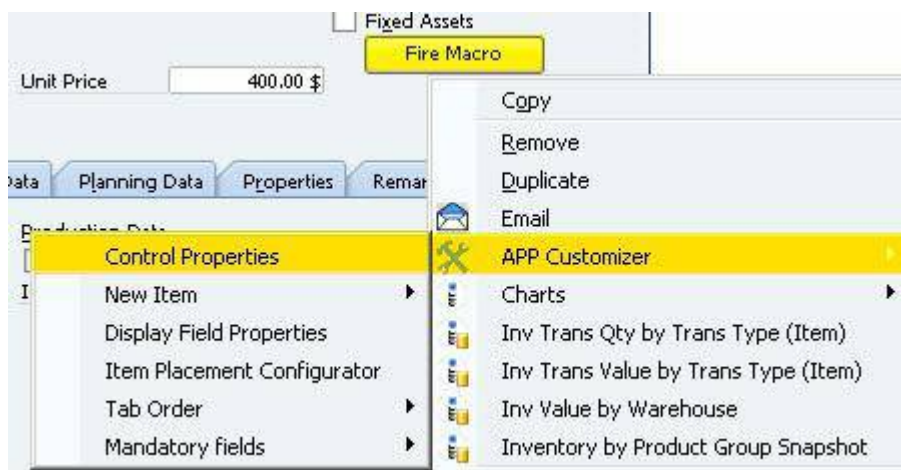


This example is for the **Item Master Data** screen.

- Click the SAP menu option titled **Item Master Data** under the **Inventory** menu to load the **Inventory Master Data** screen.
- Determine the item that you want to establish process rules for (**Fire Macro** button for this example).



The right-click menu should be launched while the mouse is on top of the item.



- Select the **Control Properties** option from the **APP Customizer** menu group option from the right-click menu on the form to load the **Item Properties/Events** screen.

Item Properties/Events

Form

150

Item UID

TwBS_BN1

Item Type

BUTTON

Column UID

☒ Active

Properties

Events

Event	Define	Remove
CLICK	Define	
COMBO SELECT	Define	
DOUBLE CLICK	Define	
GOT FOCUS	Define	
ITEM PRESSED	Edit	Remove
KEY DOWN	Define	
LOST FOCUS	Define	
MATRIX LINK PRESSED	Define	
PICKER CLICKED	Define	
VALIDATE	Define	

Apply

Apply & Close

Close

- Select the **Events** tab.
- Choose the **Event** that you want to record the process rules macro for.
- Click the **Define** or **Edit** button on the Event that you want to record the process rules macro for. This will launch the **Process Rules Event Handler** screen.

Event Handler

Event Description:

Event:

Form Type:

Item UID:

Applicable Users: ...

☐ Exclude Selected Items

☒ No Validation

Execute Procedure: ...

☐ Simple Validation

Source Field:

Operation:

Source Value:

Execute Procedure: ...

☐ Query Validation

SQL:

	Value	Procedure		
*				

Link

☒ Active

☐ Show Procedures Linked to Current Form

Inner Event

☐ True

☒ False

☐ Ignore

Before Action

☐ True

☒ False

☐ Ignore

Action Success

☐ True

☒ False

☐ Ignore

☐ FIND MODE

☒ OK MODE

☒ UPDATE MODE

☒ ADD MODE

☐ VIEW MODE

☐ PRINT MODE

☐ EDIT MODE

Apply Apply & Close Close

- Click the ... button next to the procedure to be executed. This will launch the **Procedure Handler** screen.

Procedure Handler

Procedure ID:

Procedure Name:

Alerts | Queries | Macro

Record

Stop

Load MacroEditor

Remove Procedure

OK Cancel

- Click the **Load Macro Editor** button on the **Procedure Handler** screen. This will launch the **Macro Editor** screen.

Action Types	Form TypeEx	Menu ID	Variable	Item UID	Column	Row	Value	Comments	Active
LoadUserTable						-1	TWBS_B1EMAIL_SMTP		☒
						-1			☒

- Select the **LoadUserTable** option from the **Action Types** drop down column.
- The APP application will clear any existing parameter values. Any parameter value columns that are not optional (identified in yellow) or required (identified in red) will be deactivated (identified in gray).
- Complete the information needed for the **LoadUserTable** Macro Action Type that you want to execute.
- The value for the user defined table is determined by the following criteria...
- The value of the user defined table is the code associated with the user defined table.

User-Defined Values	Shift+F2	Unit Price	400.00 \$
User-Defined Windows		TWBS_B1EMAIL_SMTP - TWBS B1Email SMTP informations	

- Complete any other information and/or Action Types required to complete your Macro.
- Click the **Save & Close** button.
- Click the **OK** button on the **Procedure Handler** screen.

Event Handler

Event Description		Link ☒ Active ☐ Show Procedures Linked to Current Form
Event	et_ITEM_PRESSED	
Form Type	150	
Item UID	TwBS_BN1	

Applicable Users		...
☐ Exclude Selected Items		

☒ No Validation

Execute Procedure: 11-Shipping Type Click ...

☐ Simple Validation

Source Field	
Operation	Equal
Source Value	
Execute Procedure	None ...

☐ Query Validation

SQL

	Value	Procedure		
*				

Inner Event	☐ True ☒ False ☐ Ignore
Before Action	☒ True ☐ False ☐ Ignore
Action Success	☐ True ☒ False ☐ Ignore
☐ FIND MODE ☒ OK MODE ☒ UPDATE MODE ☒ ADD MODE ☐ VIEW MODE ☐ PRINT MODE ☐ EDIT MODE	

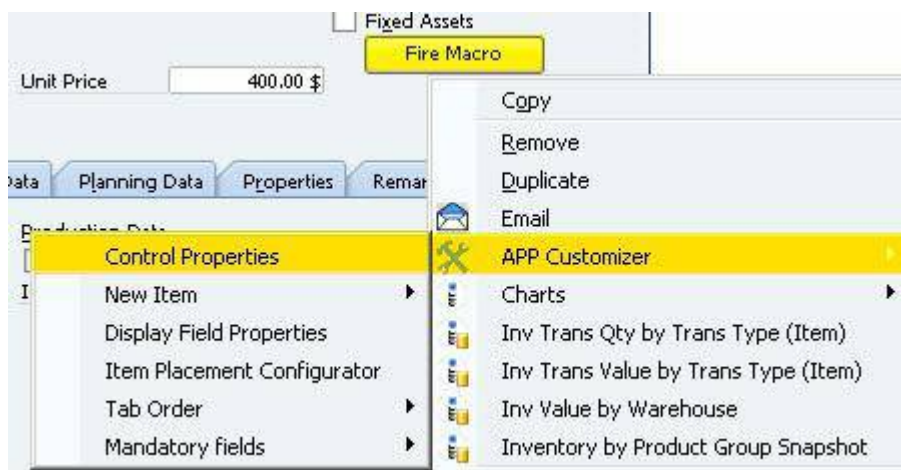
Apply Apply & Close Close

- Set the **Before Action** value to **True**.
- Click the **Save & Close** button on the **Process Rules Event Handler** screen.
- Click the **Save & Close** button on the **Item Properties/Events** screen.
- Click the **Fire Macro** button on the **Item Master Data** screen.

[illegible]



The right-click menu should be launched while the mouse is on top of the item.



- Select the **Control Properties** option from the **APP Customizer** menu group option from the right-click menu on the form to load the **Item Properties/Events** screen.

Item Properties/Events

Form: 150 ☒ Active

Item UID: TWBS_BN1

Item Type: BUTTON

Column UID:

Properties Events

Event	Event Description	Define/Edit	Remove
ITEM PRESSED		Define	Remove
KEY DOWN			
GOT FOCUS			
LOST FOCUS			
COMBO SELEC			
CLICK			
DOUBLE CLICK			
MATRIX LINK P			

Export Apply Apply & Close Close

- Select the **Events** tab.
- Choose the **Event** that you want to record the process rules macro for.
- Click the **Define** or **Edit** button on the Event that you want to record the process rules macro for. This will launch the **Process Rules Event Handler** screen.

Event Handler

Event Description			
Event	ITEM PRESSED		
Sort Order	100		
Form Type	150		
Item UID	TWBS_BN1		
Column UID			
Menu Item UID			
Applicable Users			...

☐ Exclude Selected Items

☒ No Validation

Execute Procedure: 76-Macro Sample Test ...

☐ Simple Validation

Source Field:

Operation: Equal

Source Value:

Execute Procedure: None ...

☐ Query Validation

SQL:

Value	Procedure		

General

☒ Active

☐ Show Procedures Linked to Current Form

Inner Event

☐ True

☐ False

☒ Ignore

Before Action

☐ True

☒ False

☐ Ignore

Action Success

☒ True

☐ False

☐ Ignore

☐ FIND MODE

☒ OK MODE

☒ UPDATE MODE

☒ ADD MODE

☐ VIEW MODE

☐ PRINT MODE

☐ EDIT MODE

Export 

Apply
Apply & Close
Close

- Click the ... button next to the procedure to be executed. This will launch the **Procedure Handler** screen.

Procedure Handler

Procedure ID: 76

Procedure Name: Macro Sample Test

Default SAP Action: ☒ Continue ☐ Block

Create Menu Shortcut

Macro | Alerts | Queries

Record

Stop

Load MacroEditor

APP Macro already exists

Remove Procedure Export OK Cancel

- Click the **Load Macro Editor** button on the **Procedure Handler** screen. This will launch the **Macro Editor** screen.

Macro Editor

Line Number	Action Types	Form TypeEx	Menu ID	Variable	Item UID	Column	Row	Value	Comments	Active
1	MacroCommand							GOTO 3		☒
2	Message Box							Message Box for Line 2 Okay		☒
3	Message Box							Message Box for Line 3 Okay		☒
4										☒

Save Save & Close Cancel

Shows a MessageBox and stores the clicked Message button value to a Variable specified in Variable column if needed.

- Select the **MacroCommand** option from the **Action Types** drop down column.
- The APP application will clear any existing parameter values. Any parameter value columns that are not optional (identified in yellow) or required (identified in red) will be deactivated (identified in gray).
- Complete the information needed for the **MacroCommand** Macro Action Type that you want to execute.
- Complete any other information and/or Action Types required to complete your Macro.
- Click the **Save & Close** button.
- Click the **OK** button on the **Procedure Handler** screen.

Event Handler

Event Description			
Event	ITEM PRESSED		
Sort Order	100		
Form Type	150		
Item UID	TWBS_BN1		
Column UID			
Menu Item UID			
Applicable Users			

☐ Exclude Selected Items

☒ No Validation

Execute Procedure: 76-Macro Sample Test

☐ Simple Validation

Source Field:

Operation: Equal

Source Value:

Execute Procedure: None

☐ Query Validation

SQL:

Value	Procedure		

General

☒ Active

☐ Show Procedures Linked to Current Form

Inner Event

☐ True

☐ False

☒ Ignore

Before Action

☐ True

☒ False

☐ Ignore

Action Success

☒ True

☐ False

☐ Ignore

☐ FIND MODE

☒ OK MODE

☒ UPDATE MODE

☒ ADD MODE

☐ VIEW MODE

☐ PRINT MODE

☐ EDIT MODE

Export 

Apply Apply & Close Close

- Set the **Before Action** value to **False**.
- Click the **Save & Close** button on the **Process Rules Event Handler** screen.
- Click the **Save & Close** button on the **Item Properties/Events** screen.
- Click the **Fire Macro** button on the **Item Master Data** screen.

The screenshot shows the 'My Inventory!' application window. At the top, there are fields for 'Item No.' (Manual), 'Z-0010', 'Bar Code', and a 'Fire Macro' button. Below these are fields for 'Description' (Low value assets), 'Foreign Name', 'Item Type' (Items), 'Item Group' (Items), 'Price List' (Base Price), and 'Unit Price'. On the right, there are checkboxes for 'Inventory Item' (checked), 'Sales Item', 'Purchase Item' (checked), and 'Fixed Assets'. A 'Fire Macro' button is also present. Below the fields are tabs for 'General', 'Purchasing Data', 'Sales Data', 'Inventory Data', 'Planning Data', 'Properties', 'Remarks', and 'Attachments'. A 'System Message' dialog box is open in the center, displaying 'Message Box for Line 3' and an 'Okay' button. At the bottom of the main window, there are radio buttons for 'Active', 'Inactive', and 'Advanced', and a table with columns 'From', 'To', and 'Remarks'.

- The Line 3 message box appears for the user.

How To Use the MenuClick Action Type

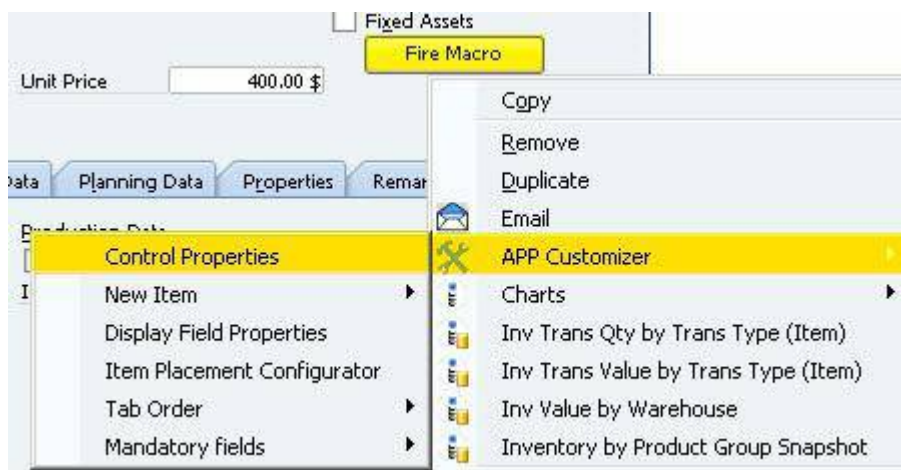


This example is for the **Item Master Data** screen.

- Click the SAP menu option titled **Item Master Data** under the **Inventory** menu to load the **Inventory Master Data** screen.
- Determine the item that you want to establish process rules for (**Fire Macro** button for this example).



The right-click menu should be launched while the mouse is on top of the item.



- Select the **Control Properties** option from the **APP Customizer** menu group option from the right-click menu on the form to load the **Item Properties/Events** screen.

Item Properties/Events

Form

150

Item UID

TwBS_BN1

Item Type

BUTTON

Column UID

☒ Active

Properties

Events

Event	Define	Remove
CLICK	Define	
COMBO SELECT	Define	
DOUBLE CLICK	Define	
GOT FOCUS	Define	
ITEM PRESSED	Edit	Remove
KEY DOWN	Define	
LOST FOCUS	Define	
MATRIX LINK PRESSED	Define	
PICKER CLICKED	Define	
VALIDATE	Define	

Apply

Apply & Close

Close

- Select the **Events** tab.
- Choose the **Event** that you want to record the process rules macro for.
- Click the **Define** or **Edit** button on the Event that you want to record the process rules macro for. This will launch the **Process Rules Event Handler** screen.

Event Handler

Event Description:

Event:

Form Type:

Item UID:

Applicable Users: ...

☐ Exclude Selected Items

☒ No Validation

Execute Procedure: ...

☐ Simple Validation

Source Field:

Operation:

Source Value:

Execute Procedure: ...

☐ Query Validation

SQL:

	Value	Procedure		
*				

Link

☒ Active

☐ Show Procedures Linked to Current Form

Inner Event

☐ True

☒ False

☐ Ignore

Before Action

☐ True

☒ False

☐ Ignore

Action Success

☐ True

☒ False

☐ Ignore

☐ FIND MODE

☒ OK MODE

☒ UPDATE MODE

☒ ADD MODE

☐ VIEW MODE

☐ PRINT MODE

☐ EDIT MODE

Apply Apply & Close Close

- Click the ... button next to the procedure to be executed. This will launch the **Procedure Handler** screen.

Procedure Handler

Procedure ID:

Procedure Name:

Alerts | Queries | Macro

Record

Stop

Load MacroEditor

Remove Procedure

OK Cancel

- Click the **Load Macro Editor** button on the **Procedure Handler** screen. This will launch the **Macro Editor** screen.

Action Types	Form TypeEx	Menu ID	Variable	Item UID	Column	Row	Value	Comments	Active
MenuClick		2050				-1			☒
						-1			☒

Save Save & Close Cancel

- Select the **MenuClick** option from the **Action Types** drop down column.
- The APP application will clear any existing parameter values. Any parameter value columns that are not optional (identified in yellow) or required (identified in red) will be deactivated (identified in gray).
- Complete the information needed for the **MenuClick** Macro Action Type that you want to execute.
- Complete any other information and/or Action Types required to complete your Macro.
- Click the **Save & Close** button.
- Click the **OK** button on the **Procedure Handler** screen.

Event Handler

Event Description:

Event:

Form Type:

Item UID:

Applicable Users:

☐ Exclude Selected Items

☒ No Validation

Execute Procedure:

☐ Simple Validation

Source Field:

Operation:

Source Value:

Execute Procedure:

☐ Query Validation

SQL:

	Value	Procedure		
*				

Link

☒ Active

☐ Show Procedures Linked to Current Form

Inner Event

☐ True

☒ False

☐ Ignore

Before Action

☒ True

☐ False

☐ Ignore

Action Success

☐ True

☒ False

☐ Ignore

☐ FIND MODE

☒ OK MODE

☒ UPDATE MODE

☒ ADD MODE

☐ VIEW MODE

☐ PRINT MODE

☐ EDIT MODE

- Set the **Before Action** value to **True**.
- Click the **Save & Close** button on the **Process Rules Event Handler** screen.
- Click the **Save & Close** button on the **Item Properties/Events** screen.
- Click the **Fire Macro** button on the **Item Master Data** screen.

Drag & Relate My Menu

Item Master Data

Item No. Bar Code

☒ Inventory Item

☒ Sales Item

☒ Purchase Item

☐ Fixed Assets

Sales Order

Customer

Name

Contact Person

Customer Ref. No.

Local Currency

No.

Status

Posting Date

Delivery Date

Document Date

- The specified menu click is executed.



For this example, the menu click launched the **Sales Order** screen.

How To Use the MessageBox Action Type

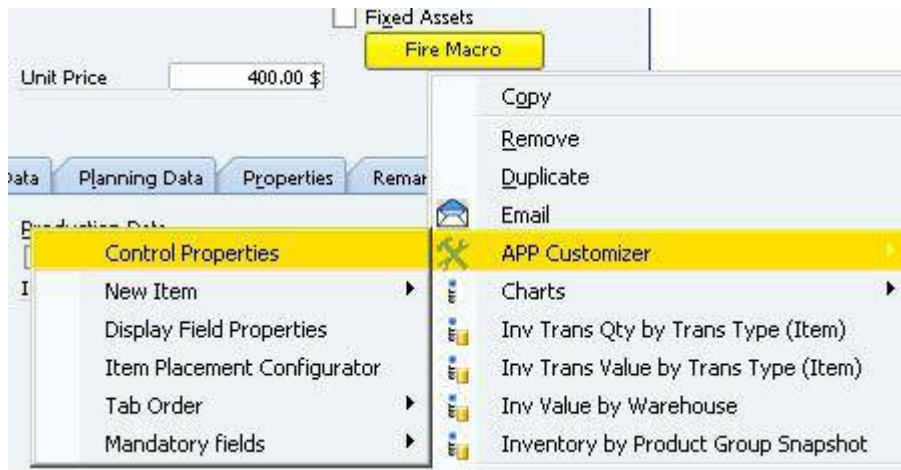


This example is for the **Item Master Data** screen.

- Click the SAP menu option titled **Item Master Data** under the **Inventory** menu to load the **Inventory Master Data** screen.
- Determine the item that you want to establish process rules for (**Fire Macro** button for this example).



The right-click menu should be launched while the mouse is on top of the item.



- Select the **Control Properties** option from the **APP Customizer** menu group option from the right-click menu on the form to load the **Item Properties/Events** screen.

Item Properties/Events

Form: 150
 Item UID: TWBS_BN1
 Item Type: BUTTON
 Column UID:
☒ Active

Properties Events

Event	Define	Remove
CLICK	Define	
COMBO SELECT	Define	
DOUBLE CLICK	Define	
GOT FOCUS	Define	
ITEM PRESSED	Edit	Remove
KEY DOWN	Define	
LOST FOCUS	Define	
MATRIX LINK PRESSED	Define	
PICKER CLICKED	Define	
VALIDATE	Define	

Apply Apply & Close Close

- Select the **Events** tab.
- Choose the **Event** that you want to record the process rules macro for.
- Click the **Define** or **Edit** button on the Event that you want to record the process rules macro for. This will launch the **Process Rules Event Handler** screen.

Event Handler

Event Description:

Event:

Form Type:

Item UID:

Applicable Users: ...

☐ Exclude Selected Items

☒ No Validation

Execute Procedure: ...

☐ Simple Validation

Source Field:

Operation:

Source Value:

Execute Procedure: ...

☐ Query Validation

SQL:

	Value	Procedure		
*				

Link

☒ Active

☐ Show Procedures Linked to Current Form

Inner Event

☐ True

☒ False

☐ Ignore

Before Action

☐ True

☒ False

☐ Ignore

Action Success

☐ True

☒ False

☐ Ignore

☐ FIND MODE

☒ OK MODE

☒ UPDATE MODE

☒ ADD MODE

☐ VIEW MODE

☐ PRINT MODE

☐ EDIT MODE

Apply Apply & Close Close

- Click the ... button next to the procedure to be executed. This will launch the **Procedure Handler** screen.

Procedure Handler

Procedure ID:

Procedure Name:

Alerts | Queries | Macro

Record

Stop

Load MacroEditor

Remove Procedure

OK Cancel

- Click the **Load Macro Editor** button on the **Procedure Handler** screen. This will launch the **Macro Editor** screen.

Action Types	Form TypeEx	Menu ID	Variable	Item UID	Column	Row	Value	Comments	Active
GetFieldValue	150		Value1	5		-1			☒
GetFieldValue	150		Value2	7		-1			☒
Message Box						-1	Item #Value1 (Value2) IS ON SALE!!!		☒
						-1			☒

Buttons: Save, Save & Close, Cancel

- Select the **MessageBox** option from the **Action Types** drop down column.
- The APP application will clear any existing parameter values. Any parameter value columns that are not optional (identified in yellow) or required (identified in red) will be deactivated (identified in gray).
- Complete the information needed for the **MessageBox** Macro Action Type that you want to execute.



This example is being combined with several **GetFieldValue** actions to pull the **Item Code** and **Item Name** values into variables and use a variable substitution to assign those values into the text of the message box.

- Complete any other information and/or Action Types required to complete your Macro.
- Click the **Save & Close** button.
- Click the **OK** button on the **Procedure Handler** screen.

Event Handler

Event Description:

Event:

Form Type:

Item UID:

Link: ☒ Active
☐ Show Procedures Linked to Current Form

Applicable Users: ...

☐ Exclude Selected Items

☒ No Validation

Execute Procedure: ...

☐ Simple Validation

Source Field:

Operation:

Source Value:

Execute Procedure: ...

☐ Query Validation

SQL:

	Value	Procedure		
*				

Inner Event: ☐ True
☒ False
☐ Ignore

Before Action: ☒ True
☐ False
☐ Ignore

Action Success: ☐ True
☒ False
☐ Ignore

☐ FIND MODE
☒ OK MODE
☒ UPDATE MODE
☒ ADD MODE
☐ VIEW MODE
☐ PRINT MODE
☐ EDIT MODE

Apply Apply & Close Close

- Set the **Before Action** value to **True**.
- Click the **Save & Close** button on the **Process Rules Event Handler** screen.
- Click the **Save & Close** button on the **Item Properties/Events** screen.
- Click the **Fire Macro** button on the **Item Master Data** screen.

System Message

Item #A00001 (IBM Infoprint 1312) IS ON SALE!!!

Ok

- The specified message box text appears.

How To Use the OpenExternalProgram Action Type



This example is for the **Item Master Data** screen.

- Click the SAP menu option titled **Item Master Data** under the **Inventory** menu to load the **Inventory Master Data** screen.
- Determine the item that you want to establish process rules for (**Fire Macro** button for this example).

Item Master Data

Item No. Manual A00001 Bar Code

Description IBM Infoprint 1312

Foreign Name

Item Type Items

Item Group IBM Printers

Price List Base Price Unit Price 400.00 \$

☒ Inventory Item ☒ Sales Item ☒ Purchase Item ☐ Fixed Assets

Fire Macro

General Purchasing Data Sales Data Inventory Data Planning Data Properties Remarks Attachments

☒ Tax Liab

Manufacturer IBM

Additional Identifier

Shipping Type Fedex EM

Production Data

☐ Phantom Item

Issue Method Backflush

Serial and Batch Numbers

Manage Item by None

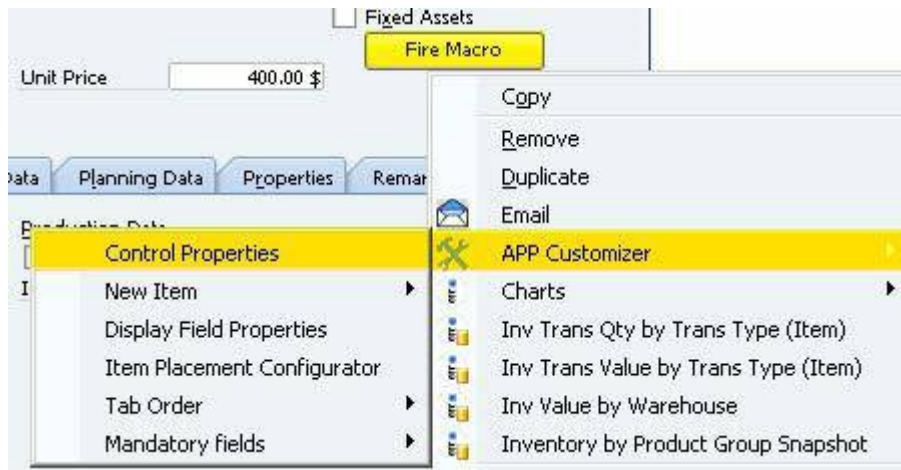
☒ Active ☐ Inactive ☐ Advanced

From To Remarks

OK **Cancel**



The right-click menu should be launched while the mouse is on top of the item.



- Select the **Control Properties** option from the **APP Customizer** menu group option from the right-click menu on the form to load the **Item Properties/Events** screen.

Item Properties/Events

Form: 150
 Item UID: TWBS_BN1
 Item Type: BUTTON
 Column UID:
☒ Active

Properties Events

Event	Define	Remove
CLICK	Define	
COMBO SELECT	Define	
DOUBLE CLICK	Define	
GOT FOCUS	Define	
ITEM PRESSED	Edit	Remove
KEY DOWN	Define	
LOST FOCUS	Define	
MATRIX LINK PRESSED	Define	
PICKER CLICKED	Define	
VALIDATE	Define	

Apply Apply & Close Close

- Select the **Events** tab.
- Choose the **Event** that you want to record the process rules macro for.
- Click the **Define** or **Edit** button on the Event that you want to record the process rules macro for. This will launch the **Process Rules Event Handler** screen.

Event Handler

Event Description:

Event:

Form Type:

Item UID:

Applicable Users: ...

☐ Exclude Selected Items

☒ No Validation

Execute Procedure: ...

☐ Simple Validation

Source Field:

Operation:

Source Value:

Execute Procedure: ...

☐ Query Validation

SQL:

	Value	Procedure		
*				

Link

☒ Active

☐ Show Procedures Linked to Current Form

Inner Event

☐ True

☒ False

☐ Ignore

Before Action

☐ True

☒ False

☐ Ignore

Action Success

☐ True

☒ False

☐ Ignore

☐ FIND MODE

☒ OK MODE

☒ UPDATE MODE

☒ ADD MODE

☐ VIEW MODE

☐ PRINT MODE

☐ EDIT MODE

Apply Apply & Close Close

- Click the ... button next to the procedure to be executed. This will launch the **Procedure Handler** screen.

Procedure Handler

Procedure ID:

Procedure Name:

Alerts | Queries | Macro

Record

Stop

Load MacroEditor

Remove Procedure

OK Cancel

- Click the **Load Macro Editor** button on the **Procedure Handler** screen. This will launch the **Macro Editor** screen.

Action Types	Form TypeEx	Menu ID	Variable	Item UID	Column	Row	Value	Comments	Active
OpenExternalProgram						-1	C:\Windows\System32\notepad.exe		☒
						-1			☒

- Select the **OpenExternalProgram** option from the **Action Types** drop down column.
- The APP application will clear any existing parameter values. Any parameter value columns that are not optional (identified in yellow) or required (identified in red) will be deactivated (identified in gray).
- Complete the information needed for the **OpenExternalProgram** Macro Action Type that you want to execute.



APP Customizer will pass the value specified for the **OpenExternalProgram** action type as if the user had typed the value on the Run command window. In order for a value to work through APP Customizer, it should be able to function if manually typed on the Run command window.

- Complete any other information and/or Action Types required to complete your Macro.
- Click the **Save & Close** button.
- Click the **OK** button on the **Procedure Handler** screen.

Event Handler

Event Description			
Event	et_ITEM_PRESSED		
Form Type	150		
Item UID	TwBS_BN1		

Link
☒ Active
☐ Show Procedures Linked to Current Form

Applicable Users		...

☐ Exclude Selected Items

☒ No Validation

Execute Procedure: 11-Shipping Type Click ...

☐ Simple Validation

Source Field	
Operation	Equal
Source Value	
Execute Procedure	None ...

☐ Query Validation

SQL:

	Value	Procedure		
*				

Inner Event
☐ True
☒ False
☐ Ignore

Before Action
☒ True
☐ False
☐ Ignore

Action Success
☐ True
☒ False
☐ Ignore

☐ FIND MODE
☒ OK MODE
☒ UPDATE MODE
☒ ADD MODE
☐ VIEW MODE
☐ PRINT MODE
☐ EDIT MODE

- Set the **Before Action** value to **True**.
- Click the **Save & Close** button on the **Process Rules Event Handler** screen.
- Click the **Save & Close** button on the **Item Properties/Events** screen.
- Click the **Fire Macro** button on the **Item Master Data** screen.



- The specified application executable from the macro is opened.

How To Launch a Website in Internet Explorer



This example is for the **Item Master Data** screen.

- Click the SAP menu option titled **Item Master Data** under the **Inventory** menu to load the **Inventory Master Data** screen.
- Determine the item that you want to establish process rules for (**Fire Macro** button for this example).

Item Master Data

Item No. Manual A00001 Bar Code ☒ Inventory Item
 Description IBM Infoprint 1312 ☒ Sales Item
 Foreign Name ☒ Purchase Item
 Item Type Items ☐ Fixed Assets
 Item Group IBM Printers
 Price List Base Price Unit Price 400.00 \$ **Fire Macro**

General Purchasing Data Sales Data Inventory Data Planning Data Properties Remarks Attachments

☒ Tax Liabls Production Data
☐ Phantom Item
 Issue Method Backflush

Manufacturer IBM
 Additional Identifier
 Shipping Type Fedex EM

Serial and Batch Numbers
 Manage Item by None

☒ Active From To Remarks
☐ Inactive
☐ Advanced

OK **Cancel**



The right-click menu should be launched while the mouse is on top of the item.

- Select the **Control Properties** option from the **APP Customizer** menu group option from the right-click menu on the form to load the **Item Properties/Events** screen.

Item Properties/Events

Form: 134
 Item UID: 394
 Item Type: EDIT
 Column UID:
☒ Active

Properties Events

Event	Define	Remove
CLICK	Define	
COMBO SELECT	Define	
DOUBLE CLICK	Define	
GOT FOCUS	Define	
ITEM PRESSED	Define	
KEY DOWN	Define	
LOST FOCUS	Define	
MATRIX LINK PRESSED	Define	
PICKER CLICKED	Define	
VALIDATE	Define	

Apply Apply & Close Close

- Select the **Events** tab.
- Choose the **Event** that you want to record the process rules macro for.
- Click the **Define** button on the **Double Click** event. This will launch the **Process Rules Event Handler** screen.

Event Handler

Event:

Form Type:

Item UID:

Column UID:

Menu Item UID:

Applicable Users:

☐ Exclude Selected Items

☒ No Validation

Execute Procedure: ...

☐ Simple Validation

Source Field:

Operation:

Source Value:

Execute Procedure:

☐ Query Validation

SQL:

	Value	Procedure		
*				

General

☒ Active

☐ Show Procedures Linked to Current Form

Inner Event

☐ True

☐ False

☒ Ignore

Before Action

☐ True

☒ False

☐ Ignore

Action Success

☒ True

☐ False

☐ Ignore

☐ FIND MODE

☒ OK MODE

☒ UPDATE MODE

☒ ADD MODE

☐ VIEW MODE

☐ PRINT MODE

☐ EDIT MODE

Apply Apply & Close Close

- Either select the **Define New** option from the procedure drop down or select the existing procedure from the drop down and click the ... button next to the drop down. This will launch the **Procedure Handler** screen.



For this demonstration an existing procedure is being used.

- Click the **Load Macro Editor** button on the **Procedure Handler** screen. This will launch the **Macro Editor** screen.

Macro Editor

Action Types	Form TypeEx	Menu ID	Variable	Item UID	Column	Row	Value	Comments	Active
OpenExternalProgram	134					-1	"explore" \$[...]		☒
						-1			☒

Save Save & Close Cancel

- Select the **OpenExternalProgram** option from the **Action Types** drop down column.
- The APP application will clear any existing parameter values. Any parameter value columns that are not optional (identified in yellow) or required (identified in red) will be deactivated (identified in gray).

- Complete the information needed for the **OpenExternalProgram** Macro Action Type that you want to execute.
- Click the Value field to open the window to edit the value passed.



The value "iexplore" **must** be in quotations.



APP Customizer will pass the value specified for the **OpenExternalProgram** action type as if the user had typed the value on the Run command window. In order for a value to work through APP Customizer, it should be able to function if manually typed on the Run command window.

- Click the **OK** button on the **Value editing** screen.
- Complete any other information and/or Action Types required to complete your Macro.
- Click the **Save & Close** button on the **Macro Editor** screen.
- Click the **OK** button on the **Procedure Handler** screen.

Event Handler

Event:

Form Type:

Item UID:

Column UID:

Menu Item UID:

Applicable Users:

☐ Exclude Selected Items

☒ No Validation

Execute Procedure:

☐ Simple Validation

Source Field:

Operation:

Source Value:

Execute Procedure:

☐ Query Validation

SQL:

	Value	Procedure		
*				

General

☒ Active

☐ Show Procedures Linked to Current Form

Inner Event

☐ True

☐ False

☒ Ignore

Before Action

☐ True

☒ False

☐ Ignore

Action Success

☒ True

☐ False

☐ Ignore

☐ FIND MODE

☒ OK MODE

☒ UPDATE MODE

☒ ADD MODE

☐ VIEW MODE

☐ PRINT MODE

☐ EDIT MODE

Apply Apply & Close Close

- Set the **Before Action** value to **False**.
- Click the **Save & Close** button on the **Process Rules Event Handler** screen.
- Click the **Save & Close** button on the **Item Properties/Events** screen.
- Double click the **Web Site** field on the **Business Partner Master Data** screen.

Business Partner Master Data			
Code	Manual	C23900	Customer
Name	Parameter Technology		
Foreign Name			
Group	High Tech		
Currency	US Dollar		
Federal Tax ID	US54-837635		
General			
Tel 1 (800) 654-7657			
Tel 2			
Mobile Phone			
Fax (800) 654-7633			
E-Mail info@parameter.net			
Web Site www.parameter.net			
Shipping Type Fedex EM			
Password			
Factoring Indicator			
BP Project			
Industry			
Business Partner Type Company			

- The specified website will be launched in a new Internet Explorer browser window.



How To Launch a Skype Call to a Contact



This example is for the **Business Partner Master Data** screen.

- Click the SAP menu option titled **Business Partner Master Data** under the **Business Partner** menu to load the **Business Partner Master Data** screen.



The right-click menu should be launched while the mouse is on top of the item.

- Select the **Control Properties** option from the **APP Customizer** menu group option from the right-click menu on the form to load the **Item Properties/Events** screen.

Event	Define	Remove
CLICK	Define	
COMBO SELECT	Define	
DOUBLE CLICK	Define	
GOT FOCUS	Define	
ITEM PRESSED	Define	
KEY DOWN	Define	
LOST FOCUS	Define	
MATRIX LINK PRESSED	Define	
PICKER CLICKED	Define	
VALIDATE	Define	

- Select the **Events** tab.
- Choose the **Event** that you want to record the process rules macro for.
- Click the **Define** button on the Event that you want to record the process rules macro for. This will launch the **Process Rules Event Handler** screen.

Event Handler

Event:

Form Type:

Item UID:

Column UID:

Menu Item UID:

Applicable Users:

☐ Exclude Selected Items

☒ No Validation

Execute Procedure: ...

☐ Simple Validation

Define New

Source Field:

Operation:

Source Value:

Execute Procedure:

☐ Query Validation

SQL:

	Value	Procedure		
*				

General

☒ Active

☐ Show Procedures Linked to Current Form

Inner Event

☐ True

☐ False

☒ Ignore

Before Action

☐ True

☒ False

☐ Ignore

Action Success

☒ True

☐ False

☐ Ignore

☐ FIND MODE

☒ OK MODE

☒ UPDATE MODE

☒ ADD MODE

☐ VIEW MODE

☐ PRINT MODE

☐ EDIT MODE

Apply Apply & Close Close

- Either select the **Define New** option from the procedure drop down or select the existing procedure from the drop down and click the ... button next to the drop down. This will launch the **Procedure Handler** screen.



For this demonstration an existing procedure is being used.

- Click the **Load Macro Editor** button on the **Procedure Handler** screen. This will launch the **Macro Editor** screen.

Macro Editor

	Action Types	Form TypeEx	Menu ID	Variable	Item UID	Column	Row	Value	Comments	Active
	OpenExternalProgram	134					-1	"C:\Program F...		☒
							-1			☒

Save Save & Close Cancel

- Select the **OpenExternalProgram** option from the **Action Types** drop down column.
- The APP application will clear any existing parameter values. Any parameter value columns that are not optional (identified in yellow) or required (identified in red) will be deactivated (identified in gray).

- Complete the information needed for the **OpenExternalProgram** Macro Action Type that you want to execute.
- Click the Value field to open the window to edit the value passed.



The location of the application executable **must** be in quotations.



APP Customizer will pass the value specified for the **OpenExternalProgram** action type as if the user had typed the value on the Run command window. In order for a value to work through APP Customizer, it should be able to function if manually typed on the Run command window.

- Click the **OK** button on the **Value editing** screen.
- Complete any other information and/or Action Types required to complete your Macro.
- Click the **Save & Close** button on the **Macro Editor** screen.
- Click the **OK** button on the **Procedure Handler** screen.

Event Handler

Event	et_DOUBLE_CLICK	☒ Active ☐ Show Procedures Linked to Current Form
Form Type	134	
Item UID	43	
Column UID		
Menu Item UID		
Applicable Users		

☐ Exclude Selected Items

☒ No Validation

Execute Procedure: 13-Skype Launch

☐ Simple Validation

Source Field:

Operation: Equal

Source Value:

Execute Procedure: None

☐ Query Validation

SQL:

	Value	Procedure		
*				

☐ FIND MODE
☒ OK MODE
☒ UPDATE MODE
☒ ADD MODE
☐ VIEW MODE
☐ PRINT MODE
☐ EDIT MODE

☐ Inner Event
☐ True
☐ False
☒ Ignore

☐ Before Action
☐ True
☒ False
☐ Ignore

☒ Action Success
☐ True
☐ False
☐ Ignore

- Set the **Before Action** value to **False**.
- Click the **Save & Close** button on the **Process Rules Event Handler** screen.
- Click the **Save & Close** button on the **Item Properties/Events** screen.
- Double click the **Web Site** field on the **Business Partner Master Data** screen.



- The specified phone number will be launched in a new Skype call.



If not logged into a Skype account, the user will be prompted first for their login credentials.

How To Use the RightClick Action Type

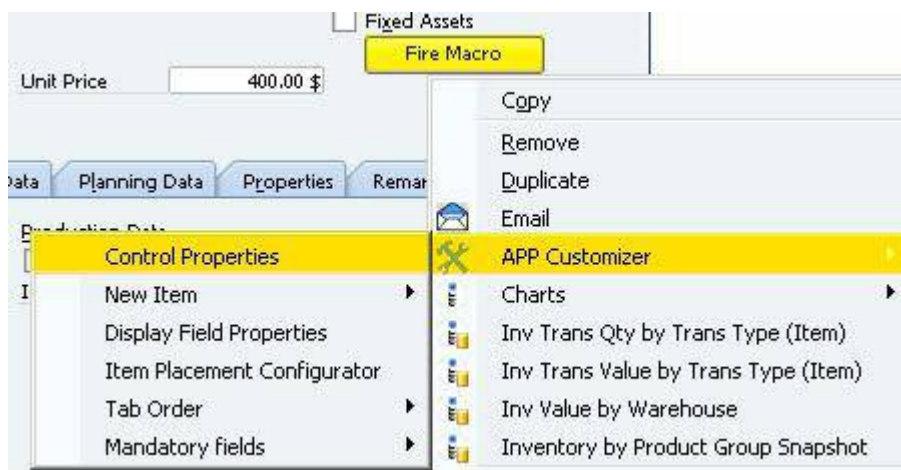


This example is for the **Item Master Data** screen.

- Click the SAP menu option titled **Item Master Data** under the **Inventory** menu to load the **Inventory Master Data** screen.
- Determine the item that you want to establish process rules for (**Fire Macro** button for this example).



The right-click menu should be launched while the mouse is on top of the item.



- Select the **Control Properties** option from the **APP Customizer** menu group option from the right-click menu on the form to load the **Item Properties/Events** screen.

Item Properties/Events

Form

150

Item UID

TwBS_BN1

Item Type

BUTTON

Column UID

☒ Active

Properties

Events

Event	Define	Remove
CLICK	Define	
COMBO SELECT	Define	
DOUBLE CLICK	Define	
GOT FOCUS	Define	
ITEM PRESSED	Edit	Remove
KEY DOWN	Define	
LOST FOCUS	Define	
MATRIX LINK PRESSED	Define	
PICKER CLICKED	Define	
VALIDATE	Define	

Apply

Apply & Close

Close

- Select the **Events** tab.
- Choose the **Event** that you want to record the process rules macro for.
- Click the **Define** or **Edit** button on the Event that you want to record the process rules macro for. This will launch the **Process Rules Event Handler** screen.

Event Handler

Event Description:

Event:

Form Type:

Item UID:

Applicable Users: ...

☐ Exclude Selected Items

☒ No Validation

Execute Procedure: ...

☐ Simple Validation

Source Field:

Operation:

Source Value:

Execute Procedure: ...

☐ Query Validation

SQL:

	Value	Procedure		
*				

Link

☒ Active

☐ Show Procedures Linked to Current Form

Inner Event

☐ True

☒ False

☐ Ignore

Before Action

☐ True

☒ False

☐ Ignore

Action Success

☐ True

☒ False

☐ Ignore

☐ FIND MODE

☒ OK MODE

☒ UPDATE MODE

☒ ADD MODE

☐ VIEW MODE

☐ PRINT MODE

☐ EDIT MODE

Apply Apply & Close Close

- Click the ... button next to the procedure to be executed. This will launch the **Procedure Handler** screen.

Procedure Handler

Procedure ID:

Procedure Name:

Alerts | Queries | Macro

Record

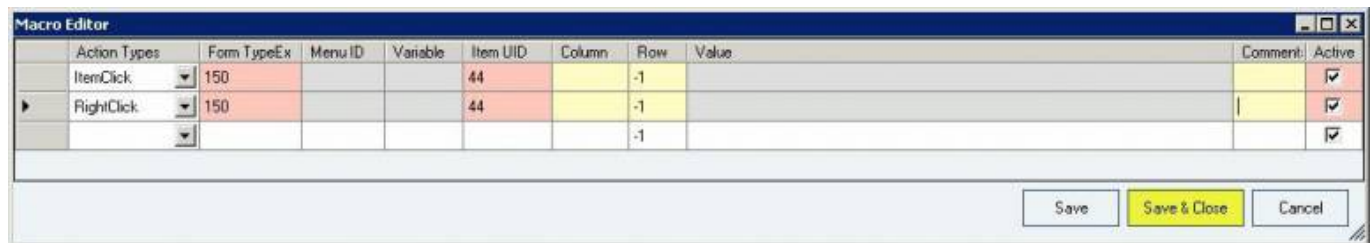
Stop

Load MacroEditor

Remove Procedure

OK Cancel

- Click the **Load Macro Editor** button on the **Procedure Handler** screen. This will launch the **Macro Editor** screen.



Action Types	Form TypeEx	Menu ID	Variable	Item UID	Column	Row	Value	Comment	Active
ItemClick	150			44		-1			☒
RightClick	150			44		-1			☒
						-1			☒

Save Save & Close Cancel

- Select the **RightClick** option from the **Action Types** drop down column.
- The APP application will clear any existing parameter values. Any parameter value columns that are not optional (identified in yellow) or required (identified in red) will be deactivated (identified in gray).
- Complete the information needed for the **RightClick** Macro Action Type that you want to execute.
- Complete any other information and/or Action Types required to complete your Macro.
- Click the **Save & Close** button.
- Click the **OK** button on the **Procedure Handler** screen.

Event Handler

Event Description				Link ☒ Active ☐ Show Procedures Linked to Current Form
Event	et_ITEM_PRESSED			
Form Type	150			
Item UID	TwBS_BN1			

Applicable Users		...
☐ Exclude Selected Items		

☒ No Validation

Execute Procedure: 11-Shipping Type Click ...

☐ Simple Validation

Source Field			
Operation	Equal		
Source Value			
Execute Procedure	None	...	

☐ Query Validation

SQL:

	Value	Procedure		
*				

Inner Event

☐ True
☒ False
☐ Ignore

Before Action

☒ True
☐ False
☐ Ignore

Action Success

☐ True
☒ False
☐ Ignore

☐ FIND MODE
☒ OK MODE
☒ UPDATE MODE
☒ ADD MODE
☐ VIEW MODE
☐ PRINT MODE
☐ EDIT MODE

- Set the **Before Action** value to **True**.
- Click the **Save & Close** button on the **Process Rules Event Handler** screen.
- Click the **Save & Close** button on the **Item Properties/Events** screen.
- Click the **Fire Macro** button on the **Item Master Data** screen.

- The specified macro action is executed.

How To Use the SendKeys Action Type

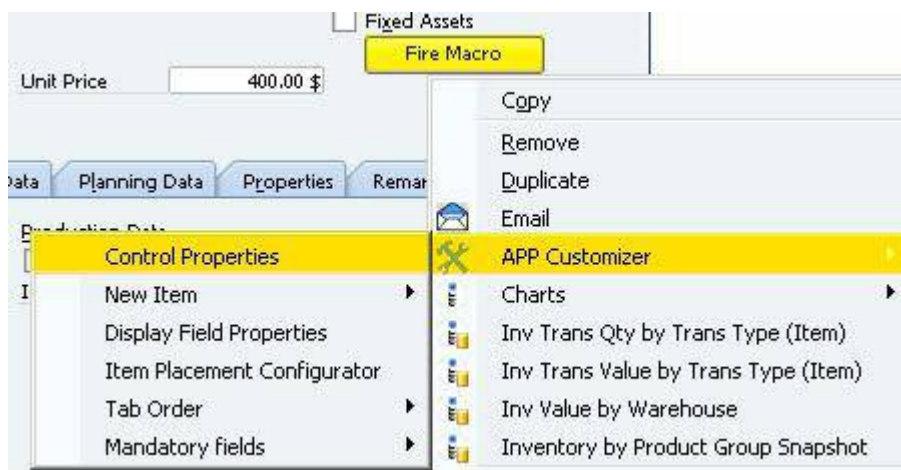


This example is for the **Item Master Data** screen.

- Click the SAP menu option titled **Item Master Data** under the **Inventory** menu to load the **Inventory Master Data** screen.
- Determine the item that you want to establish process rules for (**Fire Macro** button for this example).



The right-click menu should be launched while the mouse is on top of the item.



- Select the **Control Properties** option from the **APP Customizer** menu group option from the right-click menu on the form to load the **Item Properties/Events** screen.

Item Properties/Events

Form

150

Item UID

TwBS_BN1

Item Type

BUTTON

Column UID

☒ Active

Properties

Events

Event	Define	Remove
CLICK	Define	
COMBO SELECT	Define	
DOUBLE CLICK	Define	
GOT FOCUS	Define	
ITEM PRESSED	Edit	Remove
KEY DOWN	Define	
LOST FOCUS	Define	
MATRIX LINK PRESSED	Define	
PICKER CLICKED	Define	
VALIDATE	Define	

Apply

Apply & Close

Close

- Select the **Events** tab.
- Choose the **Event** that you want to record the process rules macro for.
- Click the **Define** or **Edit** button on the Event that you want to record the process rules macro for. This will launch the **Process Rules Event Handler** screen.

Event Handler

Event Description:

Event:

Form Type:

Item UID:

Applicable Users: ...

☐ Exclude Selected Items

☒ No Validation

Execute Procedure: ...

☐ Simple Validation

Source Field:

Operation:

Source Value:

Execute Procedure: ...

☐ Query Validation

SQL:

	Value	Procedure		
*				

Link

☒ Active

☐ Show Procedures Linked to Current Form

Inner Event

☐ True

☒ False

☐ Ignore

Before Action

☐ True

☒ False

☐ Ignore

Action Success

☐ True

☒ False

☐ Ignore

☐ FIND MODE

☒ OK MODE

☒ UPDATE MODE

☒ ADD MODE

☐ VIEW MODE

☐ PRINT MODE

☐ EDIT MODE

Apply Apply & Close Close

- Click the ... button next to the procedure to be executed. This will launch the **Procedure Handler** screen.

Procedure Handler

Procedure ID:

Procedure Name:

Alerts | Queries | Macro

Record

Stop

Load MacroEditor

Remove Procedure

OK Cancel

- Click the **Load Macro Editor** button on the **Procedure Handler** screen. This will launch the **Macro Editor** screen.

Action Types	Form TypeEx	Menu ID	Variable	Item UID	Column	Row	Value	Comments	Active
SendKeys	150			7		-1	^(+S)		☒
						-1			☒

- Select the **SendKeys** option from the **Action Types** drop down column.
- The APP application will clear any existing parameter values. Any parameter value columns that are not optional (identified in yellow) or required (identified in red) will be deactivated (identified in gray).
- Complete the information needed for the **SendKeys** Macro Action Type that you want to execute.



The **SendKeys Reference Guide** section of the User Guide provides additional information on the **SendKeys** values that you can utilize.



For this example, the **SendKeys** value is being set up to mimic the SAP® Business One menu option keystroke shortcut for launching the **Forms Settings** screen.



- Complete any other information and/or Action Types required to complete your Macro.
- Click the **Save & Close** button.
- Click the **OK** button on the **Procedure Handler** screen.

Event Handler

Event Description		Link ☒ Active ☐ Show Procedures Linked to Current Form
Event	et_ITEM_PRESSED	
Form Type	150	
Item UID	TwBS_BN1	

Applicable Users		...
☐ Exclude Selected Items		

☒ No Validation

Execute Procedure: 11-Shipping Type Click ...

☐ Simple Validation

Source Field:

Operation: Equal

Source Value:

Execute Procedure: None ...

☐ Query Validation

SQL:

	Value	Procedure		
*				

Inner Event

☐ True
☒ False
☐ Ignore

Before Action

☒ True
☐ False
☐ Ignore

Action Success

☐ True
☒ False
☐ Ignore

☐ FIND MODE
☒ OK MODE
☒ UPDATE MODE
☒ ADD MODE
☐ VIEW MODE
☐ PRINT MODE
☐ EDIT MODE

- Set the **Before Action** value to **True**.
- Click the **Save & Close** button on the **Process Rules Event Handler** screen.
- Click the **Save & Close** button on the **Item Properties/Events** screen.
- Click the **Fire Macro** button on the **Item Master Data** screen.

Column	Visible	Active
#	☒	☐
Whse Code	☒	☒
Whse Name	☒	☒
Locked	☒	☒
In Stock	☒	☐
Committed	☒	☐
Ordered	☒	☐
Available	☒	☐
Min. Inventory	☒	☒
Max. Inventory	☒	☒
Req. Inv. Level	☒	☒
Item Cost	☒	☒
Inventory Acct	☐	☐
Cost of Goods Sold Account	☐	☐

- The forms settings for the Item Master Data form are opened.

How To Use the SetBackColor Action Type

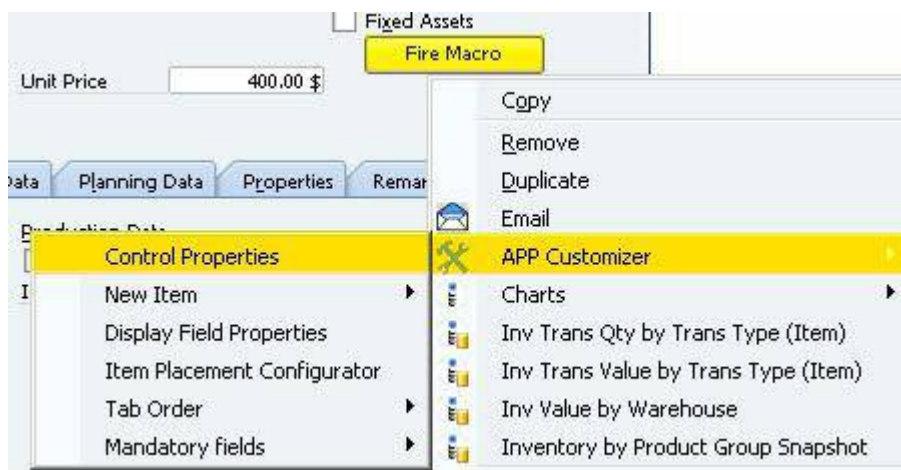


This example is for the **Item Master Data** screen.

- Click the SAP menu option titled **Item Master Data** under the **Inventory** menu to load the **Inventory Master Data** screen.
- Determine the item that you want to establish process rules for (**Fire Macro** button for this example).



The right-click menu should be launched while the mouse is on top of the item.



- Select the **Control Properties** option from the **APP Customizer** menu group option from the right-click menu on the form to load the **Item Properties/Events** screen.

Item Properties/Events

Form150

Item UIDTwBS_BN1

Item TypeBUTTON

Column UID

☒ Active

Properties

Events

Event	Define	Remove
CLICK	Define	
COMBO SELECT	Define	
DOUBLE CLICK	Define	
GOT FOCUS	Define	
ITEM PRESSED	Edit	Remove
KEY DOWN	Define	
LOST FOCUS	Define	
MATRIX LINK PRESSED	Define	
PICKER CLICKED	Define	
VALIDATE	Define	

Apply

Apply & Close

Close

- Select the **Events** tab.
- Choose the **Event** that you want to record the process rules macro for.
- Click the **Define** or **Edit** button on the Event that you want to record the process rules macro for. This will launch the **Process Rules Event Handler** screen.

Event Handler

Event Description:

Event:

Form Type:

Item UID:

Applicable Users: ...

☐ Exclude Selected Items

☒ No Validation

Execute Procedure: ...

☐ Simple Validation

Source Field:

Operation:

Source Value:

Execute Procedure: ...

☐ Query Validation

SQL:

	Value	Procedure		
*				

Link

☒ Active

☐ Show Procedures Linked to Current Form

Inner Event

☐ True

☒ False

☐ Ignore

Before Action

☐ True

☒ False

☐ Ignore

Action Success

☐ True

☒ False

☐ Ignore

☐ FIND MODE

☒ OK MODE

☒ UPDATE MODE

☒ ADD MODE

☐ VIEW MODE

☐ PRINT MODE

☐ EDIT MODE

Apply Apply & Close Close

- Click the ... button next to the procedure to be executed. This will launch the **Procedure Handler** screen.

Procedure Handler

Procedure ID:

Procedure Name:

Alerts | Queries | Macro

Record

Stop

Load MacroEditor

Remove Procedure

OK Cancel

- Click the **Load Macro Editor** button on the **Procedure Handler** screen. This will launch the **Macro Editor** screen.

Action Types	Form TypeEx	Menu ID	Variable	Item UID	Column	Row	Value	Comments	Active
SetBackColor	150			7		-1	8388736		☒
SetForeColor	150			7		-1	16777215		☒
						-1			☒

Save Save & Close Cancel

- Select the **SetBackColor** option from the **Action Types** drop down column.
- The APP application will clear any existing parameter values. Any parameter value columns that are not optional (identified in yellow) or required (identified in red) will be deactivated (identified in gray).
- Complete the information needed for the **SetBackColor** Macro Action Type that you want to execute.
- Complete any other information and/or Action Types required to complete your Macro.
- Click the **Save & Close** button on the **Macro Editor** screen.
- Click the **OK** button on the **Procedure Handler** screen.

Event Handler

Event Description:

Event:

Form Type:

Item UID:

Link: ☒ Active
☐ Show Procedures Linked to Current Form

Applicable Users: ...

☐ Exclude Selected Items

☒ No Validation

Execute Procedure: ...

☐ Simple Validation

Source Field:

Operation:

Source Value:

Execute Procedure: ...

☐ Query Validation

SQL:

	Value	Procedure		
*				

Inner Event: ☐ True
☒ False
☐ Ignore

Before Action: ☒ True
☐ False
☐ Ignore

Action Success: ☐ True
☒ False
☐ Ignore

☐ FIND MODE
☒ OK MODE
☒ UPDATE MODE
☒ ADD MODE
☐ VIEW MODE
☐ PRINT MODE
☐ EDIT MODE

Apply Apply & Close Close

- Set the **Before Action** value to **True**.
- Click the **Save & Close** button on the **Process Rules Event Handler** screen.
- Click the **Save & Close** button on the **Item Properties/Events** screen.
- Click the **Fire Macro** button on the **Item Master Data** screen.

Item Master Data

Item No.: A00001 Bar Code:

Description:

Foreign Name:

Item Type:

Item Group:

Price List: Unit Price:

☒ Inventory Item
☒ Sales Item
☒ Purchase Item
☐ Fixed Assets

Fire Macro

- The specified macro action is executed.

How To Use the SetFieldValue Action Type



This example is for the **Item Master Data** screen.

- Click the SAP menu option titled **Item Master Data** under the **Inventory** menu to load the **Inventory Master Data** screen.
- Determine the item that you want to establish process rules for (**Fire Macro** button for this example).

Item Master Data

Item No. Manual A00001 Bar Code

Description IBM Infoprint 1312

Foreign Name

Item Type Items

Item Group IBM Printers

Price List Base Price Unit Price 400.00 \$

☒ Inventory Item ☒ Sales Item ☒ Purchase Item ☐ Fixed Assets

Fire Macro

General Purchasing Data Sales Data Inventory Data Planning Data Properties Remarks Attachments

☒ Tax Liabilities

Manufacturer IBM

Additional Identifier

Shipping Type Fedex EM

Serial and Batch Numbers

Manage Item by None

Production Data

☐ Phantom Item

Issue Method Backflush

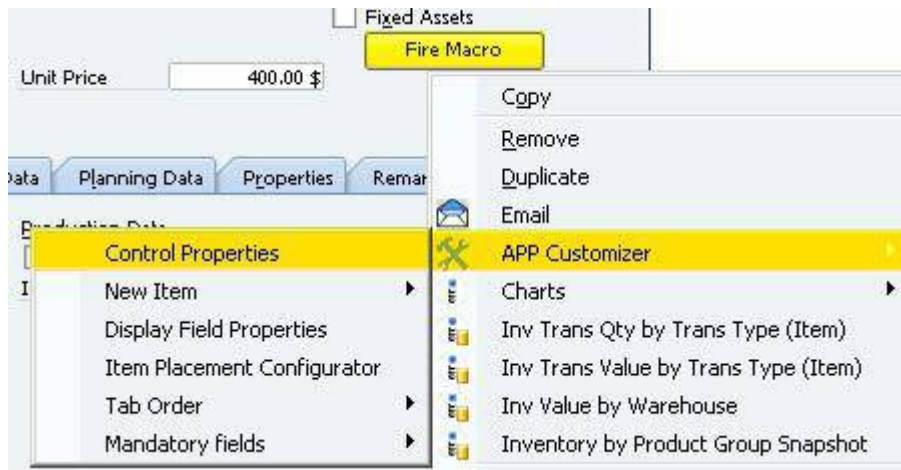
☒ Active ☐ Inactive ☐ Advanced

From To Remarks

OK **Cancel**



The right-click menu should be launched while the mouse is on top of the item.



- Select the **Control Properties** option from the **APP Customizer** menu group option from the right-click menu on the form to load the **Item Properties/Events** screen.

Item Properties/Events

Form: 150
 Item UID: TWBS_BN1
 Item Type: BUTTON
 Column UID:
☒ Active

Properties Events

Event	Define	Remove
CLICK	Define	
COMBO SELECT	Define	
DOUBLE CLICK	Define	
GOT FOCUS	Define	
ITEM PRESSED	Edit	Remove
KEY DOWN	Define	
LOST FOCUS	Define	
MATRIX LINK PRESSED	Define	
PICKER CLICKED	Define	
VALIDATE	Define	

Apply Apply & Close Close

- Select the **Events** tab.
- Choose the **Event** that you want to record the process rules macro for.
- Click the **Define** or **Edit** button on the Event that you want to record the process rules macro for. This will launch the **Process Rules Event Handler** screen.

Event Handler

Event Description:

Event:

Form Type:

Item UID:

Applicable Users: ...

☐ Exclude Selected Items

☒ No Validation

Execute Procedure: ...

☐ Simple Validation

Source Field:

Operation:

Source Value:

Execute Procedure: ...

☐ Query Validation

SQL:

	Value	Procedure		
*				

Link

☒ Active

☐ Show Procedures Linked to Current Form

Inner Event

☐ True

☒ False

☐ Ignore

Before Action

☐ True

☒ False

☐ Ignore

Action Success

☐ True

☒ False

☐ Ignore

☐ FIND MODE

☒ OK MODE

☒ UPDATE MODE

☒ ADD MODE

☐ VIEW MODE

☐ PRINT MODE

☐ EDIT MODE

Apply Apply & Close Close

- Click the ... button next to the procedure to be executed. This will launch the **Procedure Handler** screen.

Procedure Handler

Procedure ID:

Procedure Name:

Alerts | Queries | Macro

Record

Stop

Load MacroEditor

Remove Procedure

OK Cancel

- Click the **Load Macro Editor** button on the **Procedure Handler** screen. This will launch the **Macro Editor** screen.

Action Types	Form TypeEx	Menu ID	Variable	Item UID	Column	Row	Value	Comments	Active
GetFieldValue	150		Value1	5		-1			☒
GetFieldValue	150		Value2	7		-1			☒
SetFieldValue	150			44		-1	[Value1] - Value2		☒
						-1			☒

- Select the **SetFieldValue** option from the **Action Types** drop down column.
- The APP application will clear any existing parameter values. Any parameter value columns that are not optional (identified in yellow) or required (identified in red) will be deactivated (identified in gray).
- Complete the information needed for the **SetFieldValue** Macro Action Type that you want to execute.



This example is being combined with several **GetFieldValue** actions to pull the **Item Code** and **Item Name** values into variables and use a variable substitution to assign those values into the field being assigned through the macro action.

- Complete any other information and/or Action Types required to complete your Macro.
- Click the **Save & Close** button on the **Macro Editor** screen.
- Click the **OK** button on the **Procedure Handler** screen.

Event Handler

Event Description:

Event:

Form Type:

Item UID:

Applicable Users: ...

☐ Exclude Selected Items

☒ No Validation

Execute Procedure: ...

☐ Simple Validation

Source Field:

Operation:

Source Value:

Execute Procedure: ...

☐ Query Validation

SQL:

	Value	Procedure		
*				

Link

☒ Active

☐ Show Procedures Linked to Current Form

Inner Event

☐ True

☒ False

☐ Ignore

Before Action

☒ True

☐ False

☐ Ignore

Action Success

☐ True

☒ False

☐ Ignore

☐ FIND MODE

☒ OK MODE

☒ UPDATE MODE

☒ ADD MODE

☐ VIEW MODE

☐ PRINT MODE

☐ EDIT MODE

Apply Apply & Close Close

- Set the **Before Action** value to **True**.
- Click the **Save & Close** button on the **Process Rules Event Handler** screen.
- Click the **Save & Close** button on the **Item Properties/Events** screen.
- Click the **Fire Macro** button on the **Item Master Data** screen.

Item Master Data

Item No.: Bar Code:

Description:

Foreign Name:

Item Type:

Item Group:

Price List: Unit Price:

☒ Inventory Item

☒ Sales Item

☒ Purchase Item

☐ Fixed Assets

Fire Macro

- The specified macro action is executed.

How To Use the SetForeColor Action Type

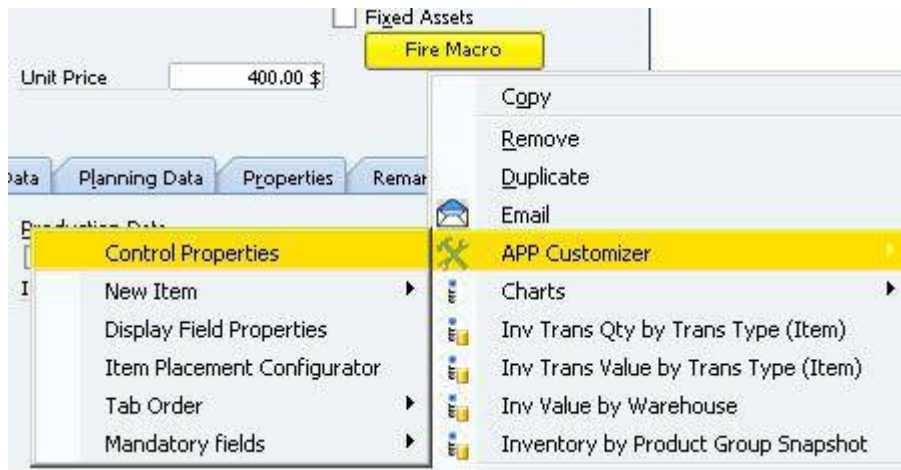


This example is for the **Item Master Data** screen.

- Click the SAP menu option titled **Item Master Data** under the **Inventory** menu to load the **Inventory Master Data** screen.
- Determine the item that you want to establish process rules for (**Fire Macro** button for this example).



The right-click menu should be launched while the mouse is on top of the item.



- Select the **Control Properties** option from the **APP Customizer** menu group option from the right-click menu on the form to load the **Item Properties/Events** screen.

Item Properties/Events

Form: 150
 Item UID: TWBS_BN1
 Item Type: BUTTON
 Column UID:
☒ Active

Properties Events

Event	Define	Remove
CLICK	Define	
COMBO SELECT	Define	
DOUBLE CLICK	Define	
GOT FOCUS	Define	
ITEM PRESSED	Edit	Remove
KEY DOWN	Define	
LOST FOCUS	Define	
MATRIX LINK PRESSED	Define	
PICKER CLICKED	Define	
VALIDATE	Define	

Apply Apply & Close Close

- Select the **Events** tab.
- Choose the **Event** that you want to record the process rules macro for.
- Click the **Define** or **Edit** button on the Event that you want to record the process rules macro for. This will launch the **Process Rules Event Handler** screen.

Event Handler

Event Description:

Event:

Form Type:

Item UID:

Applicable Users: ...

☐ Exclude Selected Items

☒ No Validation

Execute Procedure: ...

☐ Simple Validation

Source Field:

Operation:

Source Value:

Execute Procedure: ...

☐ Query Validation

SQL:

	Value	Procedure		
*				

Link

☒ Active

☐ Show Procedures Linked to Current Form

Inner Event

☐ True

☒ False

☐ Ignore

Before Action

☐ True

☒ False

☐ Ignore

Action Success

☐ True

☒ False

☐ Ignore

☐ FIND MODE

☒ OK MODE

☒ UPDATE MODE

☒ ADD MODE

☐ VIEW MODE

☐ PRINT MODE

☐ EDIT MODE

Apply Apply & Close Close

- Click the ... button next to the procedure to be executed. This will launch the **Procedure Handler** screen.

Procedure Handler

Procedure ID:

Procedure Name:

Alerts | Queries | Macro

Record

Stop

Load MacroEditor

Remove Procedure

OK Cancel

- Click the **Load Macro Editor** button on the **Procedure Handler** screen. This will launch the **Macro Editor** screen.

Action Types	Form TypeEx	Menu ID	Variable	Item UID	Column	Row	Value	Comments	Active
SetBackColor	150			7		-1	8388736		☒
SetForeColor	150			7		-1	16777215		☒
						-1			☒

Save Save & Close Cancel

- Select the **SetForeColor** option from the **Action Types** drop down column.
- The APP application will clear any existing parameter values. Any parameter value columns that are not optional (identified in yellow) or required (identified in red) will be deactivated (identified in gray).
- Complete the information needed for the **SetForeColor** Macro Action Type that you want to execute.
- Complete any other information and/or Action Types required to complete your Macro.
- Click the **Save & Close** button on the **Macro Editor** screen.
- Click the **OK** button on the **Procedure Handler** screen.

Event Handler

Event Description:

Event:

Form Type:

Item UID:

Link: ☒ Active
☐ Show Procedures Linked to Current Form

Applicable Users: ...

☐ Exclude Selected Items

☒ No Validation

Execute Procedure: ...

☐ Simple Validation

Source Field:

Operation:

Source Value:

Execute Procedure: ...

☐ Query Validation

SQL:

	Value	Procedure		
*				

Inner Event: ☐ True
☒ False
☐ Ignore

Before Action: ☒ True
☐ False
☐ Ignore

Action Success: ☐ True
☒ False
☐ Ignore

☐ FIND MODE
☒ OK MODE
☒ UPDATE MODE
☒ ADD MODE
☐ VIEW MODE
☐ PRINT MODE
☐ EDIT MODE

Apply Apply & Close Close

- Set the **Before Action** value to **True**.
- Click the **Save & Close** button on the **Process Rules Event Handler** screen.
- Click the **Save & Close** button on the **Item Properties/Events** screen.
- Click the **Fire Macro** button on the **Item Master Data** screen.

Item Master Data

Item No.: A00001 Bar Code:

Description:

Foreign Name:

Item Type:

Item Group:

Price List: Unit Price:

☒ Inventory Item
☒ Sales Item
☒ Purchase Item
☐ Fixed Assets

Fire Macro

- The specified macro action is executed.

How To Use the SetFormTitle Action Type

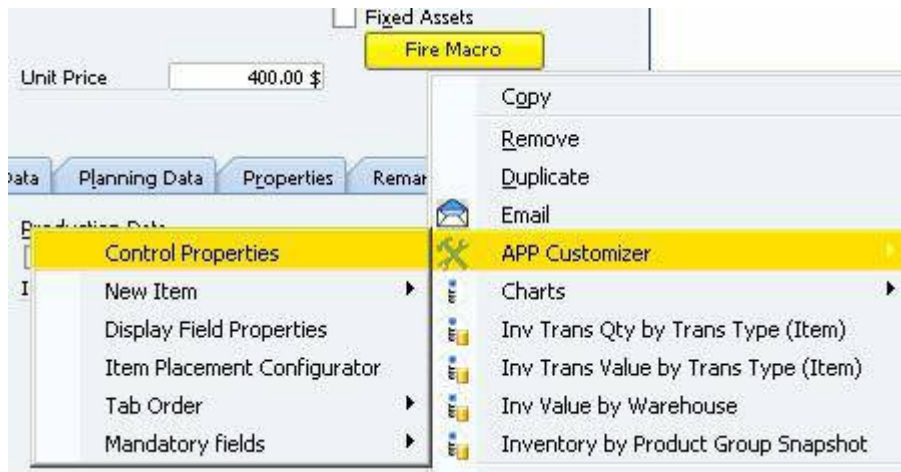


This example is for the **Item Master Data** screen.

- Click the SAP menu option titled **Item Master Data** under the **Inventory** menu to load the **Inventory Master Data** screen.
- Determine the item that you want to establish process rules for (**Fire Macro** button for this example).



The right-click menu should be launched while the mouse is on top of the item.



- Select the **Control Properties** option from the **APP Customizer** menu group option from the right-click menu on the form to load the **Item Properties/Events** screen.

Item Properties/Events

Form: 150 ☐ Active

Item UID: TWBS_BN1

Item Type: BUTTON

Column UID:

Properties Events

Event	Event Description	Define/Edit	Remove
ITEM PRESSED		Define	Remove
KEY DOWN			
GOT FOCUS			
LOST FOCUS			
COMBO SELEC			
CLICK			
DOUBLE CLICK			
MATRIX LINK P			

Export Apply Apply & Close Close

- Select the **Events** tab.
- Choose the **Event** that you want to record the process rules macro for.
- Click the **Define** or **Edit** button on the Event that you want to record the process rules macro for. This will launch the **Process Rules Event Handler** screen.

Event Handler

Event Description

Event

Sort Order

Form Type

Item UID

Column UID

Menu Item UID

Applicable Users

ITEM PRESSED

100

150

TwBS_BN1

...

Exclude Selected Items

No Validation

Execute Procedure

76-Macro Sample Test

...

Simple Validation

Source Field

Operation

Source Value

Execute Procedure

None

...

Query Validation

SQL

Value

Procedure

General

Active

Show Procedures Linked to Current Form

Inner Event

True

False

Ignore

Before Action

True

False

Ignore

Action Success

True

False

Ignore

FIND MODE

OK MODE

UPDATE MODE

ADD MODE

VIEW MODE

PRINT MODE

EDIT MODE

Export

Apply

Apply & Close

Close

- Click the ... button next to the procedure to be executed. This will launch the **Procedure Handler** screen.

Procedure Handler

Procedure ID: 76

Procedure Name: Macro Sample Test

Default SAP Action: ☒ Continue ☐ Block

Create Menu Shortcut

Macro Alerts Queries

Record

Stop

Load MacroEditor

APP Macro already exists

Remove Procedure Export OK Cancel

- Click the **Load Macro Editor** button on the **Procedure Handler** screen. This will launch the **Macro Editor** screen.

Macro Editor

Line Number	Action Types	Form TypeEx	Menu ID	Variable	Item UID	Column	Flow	Value	Comments	Active
1	SetFormTitle	150						My Inventory!		☒
2										☒

Save Save & Close Cancel

Change the Form title to the text specified in the value column

- Select the **SetFormTitle** option from the **Action Types** drop down column.
- The APP application will clear any existing parameter values. Any parameter value columns that are not optional (identified in yellow) or required (identified in red) will be deactivated (identified in gray).
- Complete the information needed for the **SetFormTitle** Macro Action Type that you want to execute.
- Complete any other information and/or Action Types required to complete your Macro.
- Click the **Save & Close** button on the **Macro Editor** screen.
- Click the **OK** button on the **Procedure Handler** screen.

Event Handler

Event Description			
Event	ITEM PRESSED		
Sort Order	100		
Form Type	150		
Item UID	TWBS_BN1		
Column UID			
Menu Item UID			
Applicable Users			

☐ Exclude Selected Items

☒ No Validation

Execute Procedure: 76-Macro Sample Test

☐ Simple Validation

Source Field:
 Operation: Equal
 Source Value:
 Execute Procedure: None

☐ Query Validation

SQL:

Value	Procedure		

General

☒ Active

☐ Show Procedures Linked to Current Form

Inner Event

☐ True

☐ False

☒ Ignore

Before Action

☐ True

☒ False

☐ Ignore

Action Success

☒ True

☐ False

☐ Ignore

☐ FIND MODE

☒ OK MODE

☒ UPDATE MODE

☒ ADD MODE

☐ VIEW MODE

☐ PRINT MODE

☐ EDIT MODE

Export

Apply Apply & Close Close

- Set the **Before Action** value to **False**.
- Click the **Save & Close** button on the **Process Rules Event Handler** screen.
- Click the **Save & Close** button on the **Item Properties/Events** screen.
- Click the **Fire Macro** button on the **Item Master Data** screen.

My Inventory!

Item No.	Manual	Z-0010	Bar Code		☒ Inventory Item
Description	Low value assets				☐ Sales Item
Foreign Name					☒ Purchase Item
Item Type	Items				☐ Fixed Assets
Item Group	Items				Fire Macro
Price List	Base Price			Unit Price	

- The form title is changed to the value from the Macro.

How To Use the SetStatusBar Action Type

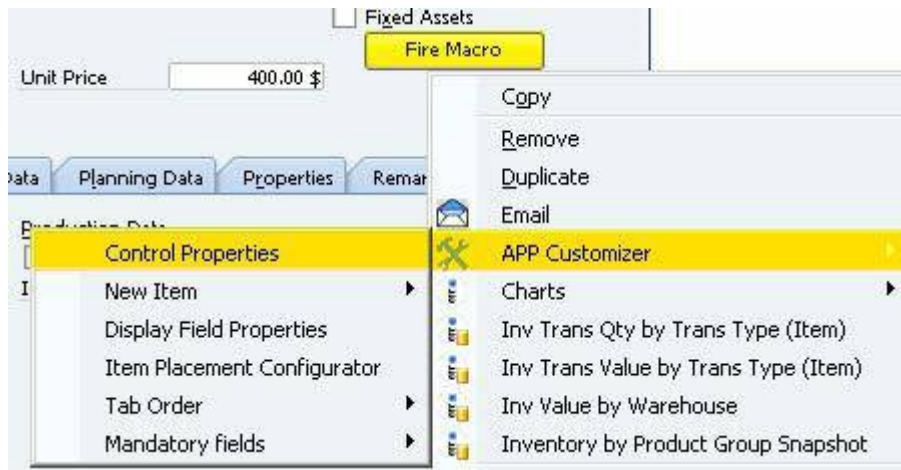


This example is for the **Item Master Data** screen.

- Click the SAP menu option titled **Item Master Data** under the **Inventory** menu to load the **Inventory Master Data** screen.
- Determine the item that you want to establish process rules for (**Fire Macro** button for this example).



The right-click menu should be launched while the mouse is on top of the item.



- Select the **Control Properties** option from the **APP Customizer** menu group option from the right-click menu on the form to load the **Item Properties/Events** screen.

Item Properties/Events

Form: 150
 Item UID: TWBS_BN1
 Item Type: BUTTON
 Column UID:
☒ Active

Properties Events

Event	Define	Remove
CLICK	Define	
COMBO SELECT	Define	
DOUBLE CLICK	Define	
GOT FOCUS	Define	
ITEM PRESSED	Edit	Remove
KEY DOWN	Define	
LOST FOCUS	Define	
MATRIX LINK PRESSED	Define	
PICKER CLICKED	Define	
VALIDATE	Define	

Apply Apply & Close Close

- Select the **Events** tab.
- Choose the **Event** that you want to record the process rules macro for.
- Click the **Define** or **Edit** button on the Event that you want to record the process rules macro for. This will launch the **Process Rules Event Handler** screen.

Event Handler

Event Description:

Event:

Form Type:

Item UID:

Applicable Users: ...

☐ Exclude Selected Items

☒ No Validation

Execute Procedure: ...

☐ Simple Validation

Source Field:

Operation:

Source Value:

Execute Procedure: ...

☐ Query Validation

SQL:

	Value	Procedure		
*				

Link

☒ Active

☐ Show Procedures Linked to Current Form

Inner Event

☐ True

☒ False

☐ Ignore

Before Action

☐ True

☒ False

☐ Ignore

Action Success

☐ True

☒ False

☐ Ignore

☐ FIND MODE

☒ OK MODE

☒ UPDATE MODE

☒ ADD MODE

☐ VIEW MODE

☐ PRINT MODE

☐ EDIT MODE

Apply Apply & Close Close

- Click the ... button next to the procedure to be executed. This will launch the **Procedure Handler** screen.

Procedure Handler

Procedure ID:

Procedure Name:

Alerts | Queries | Macro

Record

Stop

Load MacroEditor

Remove Procedure

OK Cancel

- Click the **Load Macro Editor** button on the **Procedure Handler** screen. This will launch the **Macro Editor** screen.

Line Number	Action Types	Form TypeEx	Menu ID	Variable	Item UID	Column	Row	Value	Comments	Active
1	GetField/Value	150		Value1	5					☒
2	GetField/Value	150		Value2	7					☒
3	Set Status Bar							Item #Value1 - Value2 IS ON SALE!!! EVERYTHING MUST...		☒
4										☒

Gets an Item Value and sets to a Variable in Variable column

Save Save & Close Cancel



This example is being combined with several **GetFieldValue** actions to pull the **Item Code** and **Item Name** values into variables and use a variable substitution to assign those values into the text of the status bar message.

- Select the **SetStatusBar** option from the **Action Types** drop down column.
- The APP application will clear any existing parameter values. Any parameter value columns that are not optional (identified in yellow) or required (identified in red) will be deactivated (identified in gray).
- Click in the **Value** column of the **Macro Editor** screen for the **SetStatusBar** Action Type. This will load the **Macro Editor Values Entry** screen.

Enter Value

Item #Value1 - Value2 IS ON SALE!!! EVERYTHING MUST GO!!! | SUCCESS | LONG

Command
Set Status Bar

Syntax
<Status bar String> | [Message Type | Message Time]

Arguments
<Status bar String> :- The message text to display.
[Message Type] :- indicates the message background color.
Optional
Supported values are
SUCCESS, FAILURE, INFO, WARNING, ERROR

Example
Operation completed successfully.
| SUCCESS | SHORT

OK Cancel

- Complete the information needed for the **AddRow** Macro Action Type that you want to execute.
- Complete any other information and/or Action Types required to complete your Macro.
- Click the **Save & Close** button on the **Macro Editor** screen.
- Click the **OK** button on the **Procedure Handler** screen.

Event Handler

Event Description:

Event:

Form Type:

Item UID:

Applicable Users:

☐ Exclude Selected Items

☒ No Validation

Execute Procedure:

☐ Simple Validation

Source Field:

Operation:

Source Value:

Execute Procedure:

☐ Query Validation

SQL:

	Value	Procedure		
*				

Link

☒ Active

☐ Show Procedures Linked to Current Form

Inner Event

☐ True

☒ False

☐ Ignore

Before Action

☒ True

☐ False

☐ Ignore

Action Success

☐ True

☒ False

☐ Ignore

☐ FIND MODE

☒ OK MODE

☒ UPDATE MODE

☒ ADD MODE

☐ VIEW MODE

☐ PRINT MODE

☐ EDIT MODE

- Set the **Before Action** value to **True**.
- Click the **Save & Close** button on the **Process Rules Event Handler** screen.
- Click the **Save & Close** button on the **Item Properties/Events** screen.
- Click the **Fire Macro** button on the **Item Master Data** screen.

Item Master Data

Item No.: Bar Code:

Description:

Foreign Name:

Item Type:

Item Group:

Price List: Unit Price:

☒ Inventory Item

☒ Sales Item

☒ Purchase Item

☐ Fixed Assets

- The specified message, with variable substitutions, appears on the status bar.

 Item #A00006 - HP 600 Series Inc IS ON SALE!!! EVERYTHING MUST GO!!!

How To Use the ShowItem Action Type

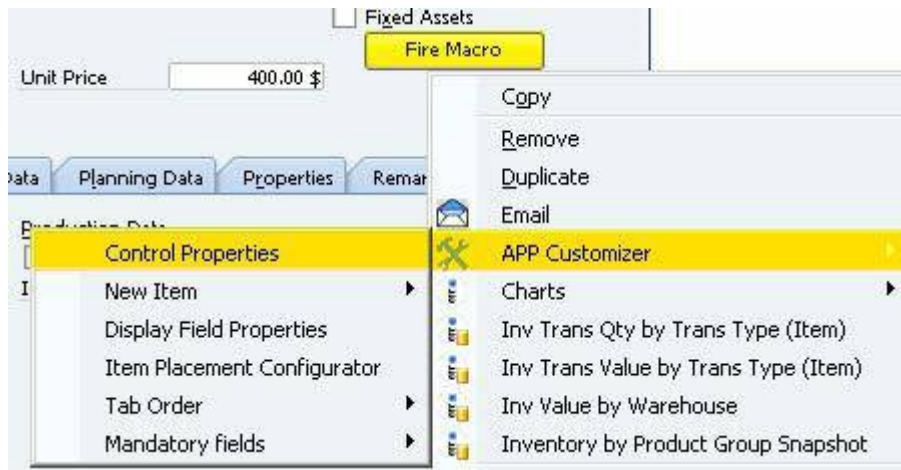


This example is for the **Item Master Data** screen.

- Click the SAP menu option titled **Item Master Data** under the **Inventory** menu to load the **Inventory Master Data** screen.
- Determine the item that you want to establish process rules for (**Fire Macro** button for this example).



The right-click menu should be launched while the mouse is on top of the item.



- Select the **Control Properties** option from the **APP Customizer** menu group option from the right-click menu on the form to load the **Item Properties/Events** screen.

Item Properties/Events

Form: 150
 Item UID: TWBS_BN1
 Item Type: BUTTON
 Column UID:
☒ Active

Properties Events

Event	Define	Remove
CLICK	Define	
COMBO SELECT	Define	
DOUBLE CLICK	Define	
GOT FOCUS	Define	
ITEM PRESSED	Edit	Remove
KEY DOWN	Define	
LOST FOCUS	Define	
MATRIX LINK PRESSED	Define	
PICKER CLICKED	Define	
VALIDATE	Define	

Apply Apply & Close Close

- Select the **Events** tab.
- Choose the **Event** that you want to record the process rules macro for.
- Click the **Define** or **Edit** button on the Event that you want to record the process rules macro for. This will launch the **Process Rules Event Handler** screen.

Event Handler

Event Description:

Event:

Form Type:

Item UID:

Applicable Users: ...

☐ Exclude Selected Items

☒ No Validation

Execute Procedure: ...

☐ Simple Validation

Source Field:

Operation:

Source Value:

Execute Procedure: ...

☐ Query Validation

SQL:

	Value	Procedure		
*				

Link

☒ Active

☐ Show Procedures Linked to Current Form

Inner Event

☐ True

☒ False

☐ Ignore

Before Action

☐ True

☒ False

☐ Ignore

Action Success

☐ True

☒ False

☐ Ignore

☐ FIND MODE

☒ OK MODE

☒ UPDATE MODE

☒ ADD MODE

☐ VIEW MODE

☐ PRINT MODE

☐ EDIT MODE

Apply Apply & Close Close

- Click the ... button next to the procedure to be executed. This will launch the **Procedure Handler** screen.

Procedure Handler

Procedure ID:

Procedure Name:

Alerts | Queries | Macro

Record

Stop

Load MacroEditor

Remove Procedure

OK Cancel

- Click the **Load Macro Editor** button on the **Procedure Handler** screen. This will launch the **Macro Editor** screen.

Action Types	Form TypeEx	Menu ID	Variable	Item UID	Column	Row	Value	Comments	Active
ShowItem	150			34		-1			☒
						-1			☒

Save Save & Close Cancel

- Select the **ShowItem** option from the **Action Types** drop down column.
- The APP application will clear any existing parameter values. Any parameter value columns that are not optional (identified in yellow) or required (identified in red) will be deactivated (identified in gray).
- Complete the information needed for the **ShowItem** Macro Action Type that you want to execute.
- Complete any other information and/or Action Types required to complete your Macro.
- Click the **Save & Close** button on the **Macro Editor** screen.
- Click the **OK** button on the **Procedure Handler** screen.

Event Handler

Event Description:

Event:

Form Type:

Item UID:

Link: ☒ Active
☐ Show Procedures Linked to Current Form

Applicable Users: ...

☐ Exclude Selected Items

☒ No Validation

Execute Procedure: ...

☐ Simple Validation

Source Field:

Operation:

Source Value:

Execute Procedure: ...

☐ Query Validation

SQL:

	Value	Procedure		
*				

Inner Event: ☐ True
☒ False
☐ Ignore

Before Action: ☒ True
☐ False
☐ Ignore

Action Success: ☐ True
☒ False
☐ Ignore

☐ FIND MODE
☒ OK MODE
☒ UPDATE MODE
☒ ADD MODE
☐ VIEW MODE
☐ PRINT MODE
☐ EDIT MODE

Apply Apply & Close Close

- Set the **Before Action** value to **True**.
- Click the **Save & Close** button on the **Process Rules Event Handler** screen.
- Click the **Save & Close** button on the **Item Properties/Events** screen.

Item Master Data

Item No. Bar Code

Description

Foreign Name

Item Type

Item Group

Price List

☒ Inventory Item
☒ Sales Item
☒ Purchase Item
☐ Fixed Assets

Fire Macro

- Click the **Fire Macro** button on the **Item Master Data** screen.



The screenshot shows the SAP 'Item Master Data' window. It contains several input fields and checkboxes. The 'Description' field is highlighted in yellow and contains the text 'IBM Infoprint 1312'. The 'Unit Price' field is also highlighted in yellow and contains '400.00 \$'. The 'Fire Macro' button is a yellow button located at the bottom right of the form.

- The specified field is shown.

How To Use the While Action Type



This example is for the **Item Master Data** screen.

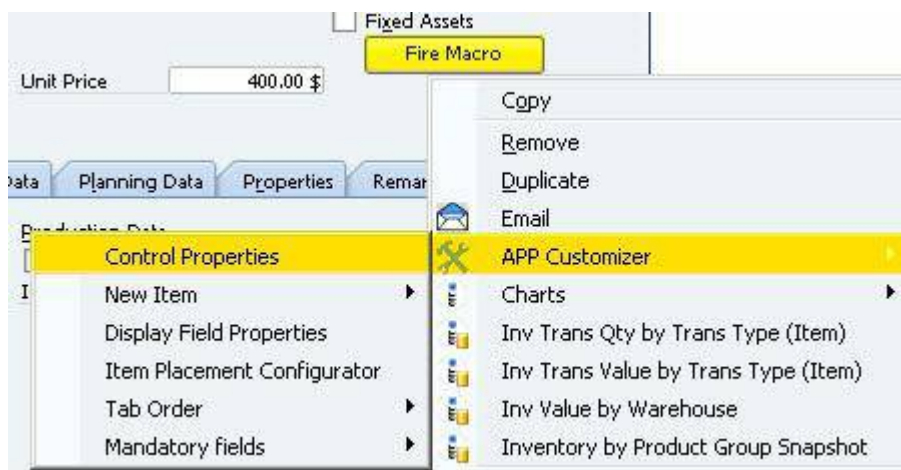


This example is a dual example of the **While** and **EndWhile** Action Types.

- Click the SAP menu option titled **Item Master Data** under the **Inventory** menu to load the **Inventory Master Data** screen.
- Determine the item that you want to establish process rules for (**Fire Macro** button for this example).



The right-click menu should be launched while the mouse is on top of the item.



- Select the **Control Properties** option from the **APP Customizer** menu group option from the right-click menu on the form to load the **Item Properties/Events** screen.

Item Properties/Events

Form

150

Item UID

TwBS_BN1

Item Type

BUTTON

Column UID

☒ Active

Properties

Events

Event	Event Description	Define/Edit	Remove
		Define	Remove
ITEM PRESSED			
KEY DOWN			
GOT FOCUS			
LOST FOCUS			
COMBO SELEC			
CLICK			
DOUBLE CLICK			
MATRIX LINK P			

Export

Apply

Apply & Close

Close

- Select the **Events** tab.
- Choose the **Event** that you want to record the process rules macro for.
- Click the **Define** or **Edit** button on the Event that you want to record the process rules macro for. This will launch the **Process Rules Event Handler** screen.

Event Handler

Event Description			
Event	ITEM PRESSED		
Sort Order	100		
Form Type	150		
Item UID	TWBS_BN1		
Column UID			
Menu Item UID			
Applicable Users			...

☐ Exclude Selected Items

☒ No Validation

Execute Procedure ...

☐ Simple Validation

Source Field

Operation

Source Value

Execute Procedure ...

☐ Query Validation

SQL

Value	Procedure		

General

☒ Active

☐ Show Procedures Linked to Current Form

Inner Event

☐ True

☐ False

☒ Ignore

Before Action

☐ True

☒ False

☐ Ignore

Action Success

☒ True

☐ False

☐ Ignore

☐ FIND MODE

☒ OK MODE

☒ UPDATE MODE

☒ ADD MODE

☐ VIEW MODE

☐ PRINT MODE

☐ EDIT MODE

... Export

Apply
Apply & Close
Close

- Click the ... button next to the procedure to be executed. This will launch the **Procedure Handler** screen.

Procedure Handler

Procedure ID: 76

Procedure Name: Macro Sample Test

Default SAP Action: ☒ Continue ☐ Block

Create Menu Shortcut

Macro | Alerts | Queries

Record

Stop

Load MacroEditor

APP Macro already exists

Remove Procedure Export OK Cancel

- Click the **Load Macro Editor** button on the **Procedure Handler** screen. This will launch the **Macro Editor** screen.

Line Number	Action Types	Form TypeEx	Menu ID	Variable	Item UID	Column	Row	Value	Comments	Active
1	GetField/Value	150		Variable1	186					☒
2	While							Variable1 = '123'		☒
3	Set Status Bar							Stuck in a Loop Error Short		☒
4	GetField/Value	150		Variable1	186					☒
5	EndWhile									☒
6										☒

Save Save & Close Cancel

- Select the **While** option from the **Action Types** drop down column.
- The APP application will clear any existing parameter values. Any parameter value columns that are not optional (identified in yellow) or required (identified in red) will be deactivated (identified in gray).
- Complete the information needed for the **While** Macro Action Type that you want to execute.
- Select the **End While** option from the **Action Types** drop down column.
- The APP application will clear any existing parameter values. Any parameter value columns that are not optional (identified in yellow) or required (identified in red) will be deactivated (identified in gray).
- Complete the information needed for the **End While** Macro Action Type that you want to execute.
- Complete any other information and/or Action Types required to complete your Macro.

- Click the **Save & Close** button.
- Click the **OK** button on the **Procedure Handler** screen.

Event Handler

Event Description:

Event:

Sort Order:

Form Type:

Item UID:

Column UID:

Menu Item UID:

Applicable Users: ...

☐ Exclude Selected Items

☒ No Validation

Execute Procedure: ...

☐ Simple Validation

Source Field:

Operation:

Source Value:

Execute Procedure: ...

☐ Query Validation

SQL:

Value	Procedure		

General

☒ Active

☐ Show Procedures Linked to Current Form

Inner Event

☐ True

☐ False

☒ Ignore

Before Action

☐ True

☒ False

☐ Ignore

Action Success

☒ True

☐ False

☐ Ignore

☐ FIND MODE

☒ OK MODE

☒ UPDATE MODE

☒ ADD MODE

☐ VIEW MODE

☐ PRINT MODE

☐ EDIT MODE

Export

Apply Apply & Close Close

- Set the **Before Action** value to **False**.
- Click the **Save & Close** button on the **Process Rules Event Handler** screen.
- Click the **Save & Close** button on the **Item Properties/Events** screen.
- Click the **Fire Macro** button on the **Item Master Data** screen.

How To Perform Validation on Button Click



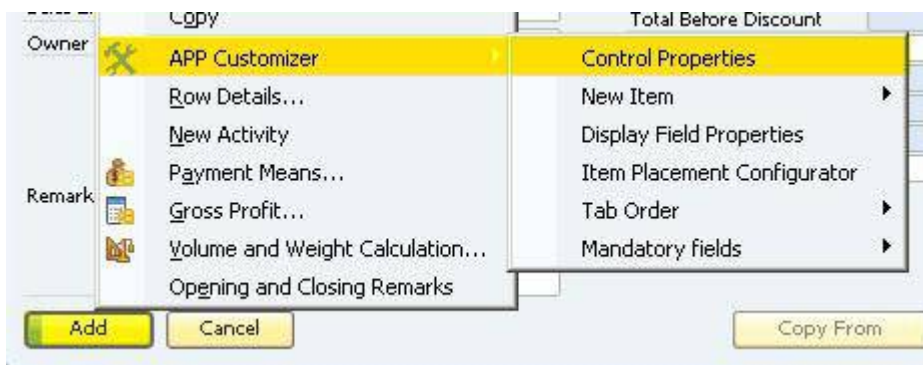


This example is for the **Sales Order** screen.

- Click the SAP menu option titled **Sales Order** under the **Sales - A/R** menu to load the **Sales Order** screen.
- Determine the item that you want to establish process rules for (**OK/Add/Update** button for this example).



The right-click menu should be launched while the mouse is on top of the item.



- Select the **Control Properties** option from the **APP Customizer** menu group option from the right-click menu on the form to load the **Item Properties/Events** screen.

Item Properties/Events

Form: 139 ☒ Active

Item UID: 1

Item Type: BUTTON

Column UID:

Properties Events

Event	Define	Remove
CLICK	Define	
COMBO SELECT	Define	
DOUBLE CLICK	Define	
GOT FOCUS	Define	
ITEM PRESSED	Define	
KEY DOWN	Define	
LOST FOCUS	Define	
MATRIX LINK PRESSED	Define	
PICKER CLICKED	Define	
VALIDATE	Define	

Apply Apply & Close Close

- Select the **Events** tab.
- Choose the **Event** that you want to record the process rules macro for.
- Click the **Define** or **Edit** button on the Event that you want to record the process rules macro for. This will launch the **Process Rules Event Handler** screen.

Event Handler

Event Description:

Event:

Form Type:

Item UID:

Link: ☒ Active
☐ Show Procedures Linked to Current Form

Applicable Users:
☐ Exclude Selected Items

☐ No Validation

Execute Procedure:

☒ Simple Validation

Source Field:

Operation:

Source Value:

Execute Procedure:

☐ Query Validation

SQL:

	Value	Procedure
*		

Inner Event: ☐ True
☐ False
☒ Ignore

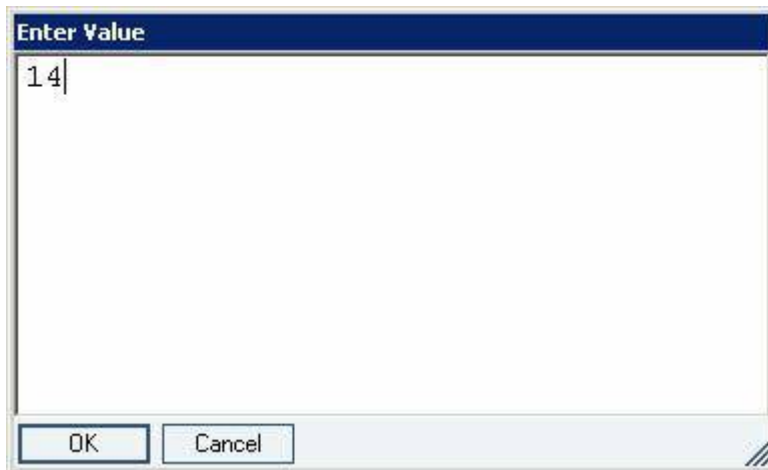
Before Action: ☒ True
☐ False
☐ Ignore

Action Success: ☐ True
☐ False
☒ Ignore

☐ FIND MODE
☒ OK MODE
☒ UPDATE MODE
☒ ADD MODE
☐ VIEW MODE
☐ PRINT MODE
☐ EDIT MODE

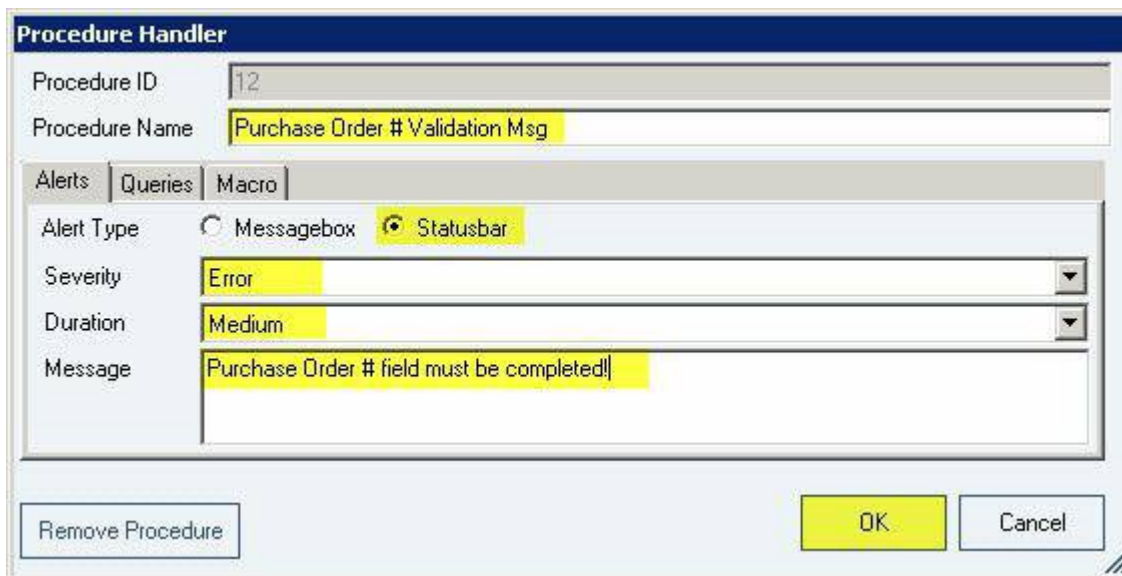
Apply Apply & Close Close

- Enter a **Description** for the event.
- Select the validation level option (**Simple Validation** option selected for this example).
- Click the **Source Field** box and a separate form will load in which the user can enter the **Item UID** for the field on the form that will be used as the source field for the validation.



A dialog box titled "Enter Value" with a text input field containing the number "14". At the bottom, there are "OK" and "Cancel" buttons.

- Select the mathematical **Operation** to be used in the validation.
- Enter the **Source Value** to be used in the evaluation of the mathematical **Operation** for the **Source Field**.
- Click the **Define New** option from the **Procedure** drop down. This will launch the **Procedure Handler** screen.



A dialog box titled "Procedure Handler" with the following fields and options:

- Procedure ID: 12
- Procedure Name: Purchase Order # Validation Msg
- Alerts | Queries | Macro tab selected
- Alert Type: ☐ Messagebox ☒ Statusbar
- Severity: Error
- Duration: Medium
- Message: Purchase Order # field must be completed!
- Buttons: Remove Procedure, OK, Cancel

- Enter a **Name** for the procedure.
- Select the **Alert Type** to be given to the user (**Status Bar** option selected for this example).
- Select the **Severity** of the status bar message (**Error** option selected for this example).
- Select the **Duration** for the status bar message (**Medium** option selected for this example).
- Enter the **Message** text for the status bar message.
- Click the **OK** button on the **Procedure Handler** screen.
- The new procedure will be automatically selected as the procedure to be executed for the validation.

Event Handler

Event Description: Button Click PO Validate

Event: et_ITEM_PRESSED

Form Type: 139

Item UID: 1

Link: ☒ Active ☐ Show Procedures Linked to Current Form

Applicable Users: ...

☐ Exclude Selected Items

☐ No Validation

Execute Procedure: None ...

☒ Simple Validation

Source Field: 14

Operation: Equal

Source Value:

Execute Procedure: 12-Purchase Order # Validation Msg ...

☐ Query Validation

SQL:

	Value	Procedure		
*				

Inner Event: ☐ True ☐ False ☒ Ignore

Before Action: ☒ True ☐ False ☐ Ignore

Action Success: ☐ True ☐ False ☒ Ignore

☐ FIND MODE ☒ OK MODE ☒ UPDATE MODE ☒ ADD MODE ☐ VIEW MODE ☐ PRINT MODE ☐ EDIT MODE

Apply Apply & Close Close

- Click the **Save & Close** button on the **Process Rules Event Handler** screen.
- Click the **Save & Close** button on the **Item Properties/Events** screen.

Tab Order Sequence

Tab Order configuration functionality allows the user to establish, edit, and remove custom designated tab orders for forms that will override the normal order of moving between fields on a form.



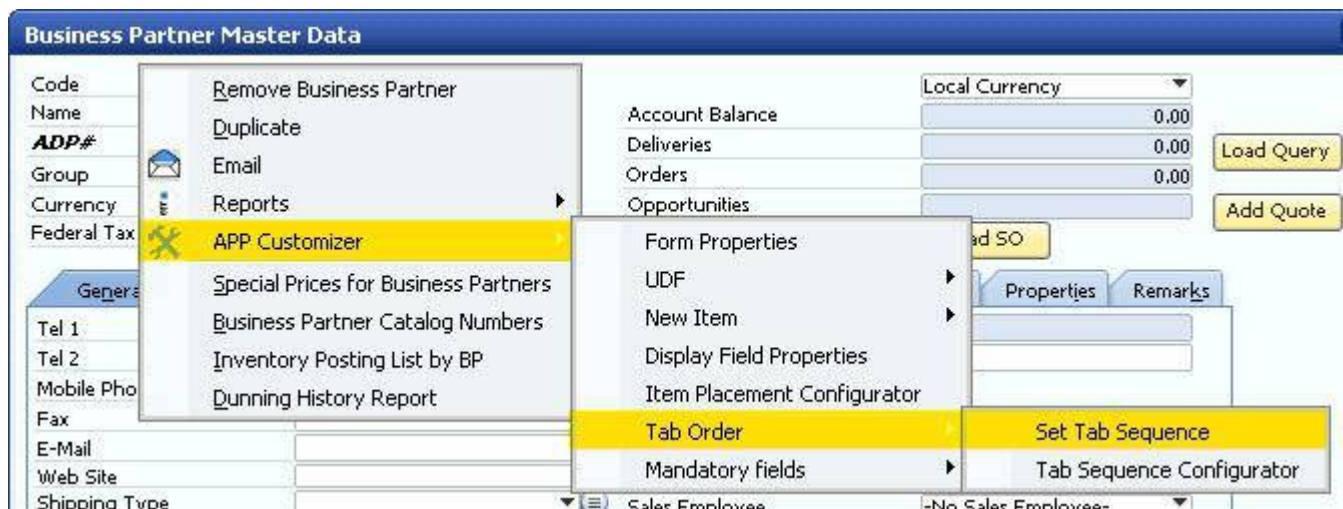
The tab order cannot be used to set the tab order of columns in an SAP UI grid or matrix object. This is an SAP® Business One UI limitation.

How To Set Tab Order Sequence

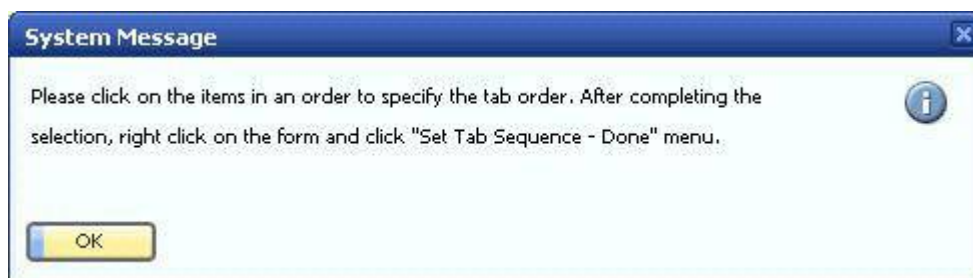


This example is for the **Business Partner Master Data** screen.

- Click the SAP menu option titled **Business Partner Master Data** under the **Business Partner** menu to load the **Business Partner Master Data** screen.
- Select the **Set Tab Sequence** option from the **APP Customizer** ➔ **Tab Order** menu group option from the right-click menu on the form.



- The user will be prompted with the following message.



- Select the fields on the form in the **exact order** in which you want to set the tab order.



The tab order cannot be used to set the tab order of columns in an SAP UI grid or matrix object. This is an SAP® Business One UI limitation.

Business Partner Master Data

Code: 123 Customer
 Name: test
 ADP#:
 Group: ACH
 Currency: US Dollar
 Federal Tax ID:
 Account Balance: 0.00
 Deliveries: 0.00
 Orders: 0.00
 Opportunities:
 Local Currency:
 load quote
 Load open Activities
 Load Orders

General Contact Persons Addresses Payment Terms Payment System Accounting Properties Remarks

Tel 1:
 Tel 2:
 Mobile Phone:
 Fax:
 E-Mail:
 Web Site:
 Shipping Type:
 Password:
 Factoring Indicator:
 Project:
 Industry:
 Business Partner Type: Company
 Delivered Property:
 Contact Person:
 ID No. 2:
 Remarks:
 Sales Employee: -No Sales Employee-
 BP Channel Code:
 Technician:
 Territory:
 El. Doc. Export Format:
 Alias Name:
 Active
 Inactive
 Advanced
 From: To: Remarks:
 OK Cancel Test Msg Related Service Calls Activity Related Activities

- As you select the fields on the form, they will be marked in **Red** to identify that they have been chosen in the tab order selection.

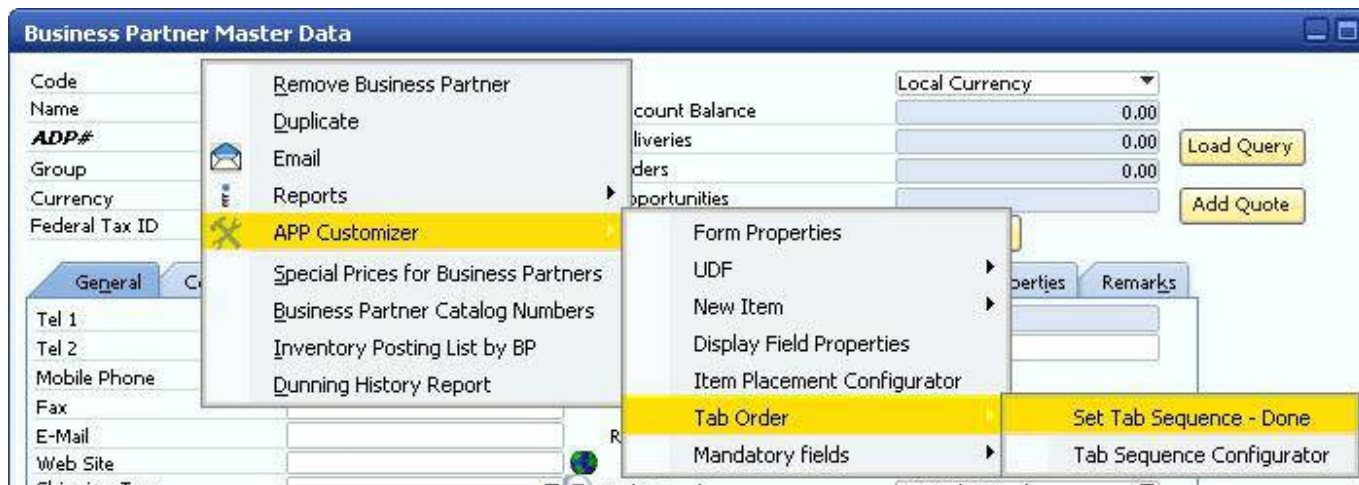
Business Partner Master Data

Code: 123 Customer
 Name: test
 ADP#:
 Group: ACH
 Currency: US Dollar
 Federal Tax ID:
 Account Balance: 0.00
 Deliveries: 0.00
 Orders: 0.00
 Opportunities:
 Local Currency:
 load quote
 Load open Activities
 Load Orders

General Contact Persons Addresses Payment Terms Payment System Accounting Properties Remarks

Tel 1:
 Tel 2:
 Mobile Phone:
 Fax:
 E-Mail:
 Web Site:
 Shipping Type:
 Password:
 Factoring Indicator:
 Project:
 Industry:
 Business Partner Type: Company
 Delivered Property:
 Contact Person:
 ID No. 2:
 Remarks:
 Sales Employee: -No Sales Employee-
 BP Channel Code:
 Technician:
 Territory:
 El. Doc. Export Format:
 Alias Name:
 Active
 Inactive
 Advanced
 From: To: Remarks:
 OK Cancel Test Msg Related Service Calls Activity Related Activities

- To complete the tab order selection process, select the **Set Tab Sequence - Done** option from the **APP Customizer** → **Tab Order** menu group option from the right-click menu on the form.



- The **Tab Order Settings: Configuration** screen will be loaded and display the tab sequencing information that was just set. Users can **Add** or **Remove** items from the tab sequence or move items **Up** or **Down** in the sequence order using the buttons on the screen.



The form that you are setting the new Tab Order Sequence on will need to be published and the form reloaded for the changes to be visible to the user.

How To Edit Tab Order Sequence

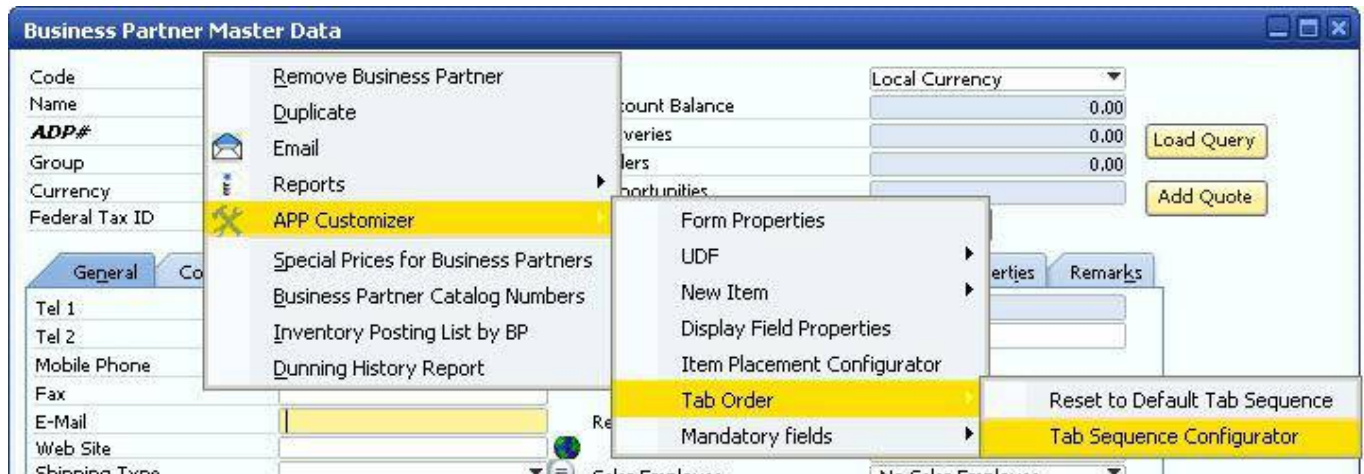


This example is for the **Business Partner Master Data** screen.

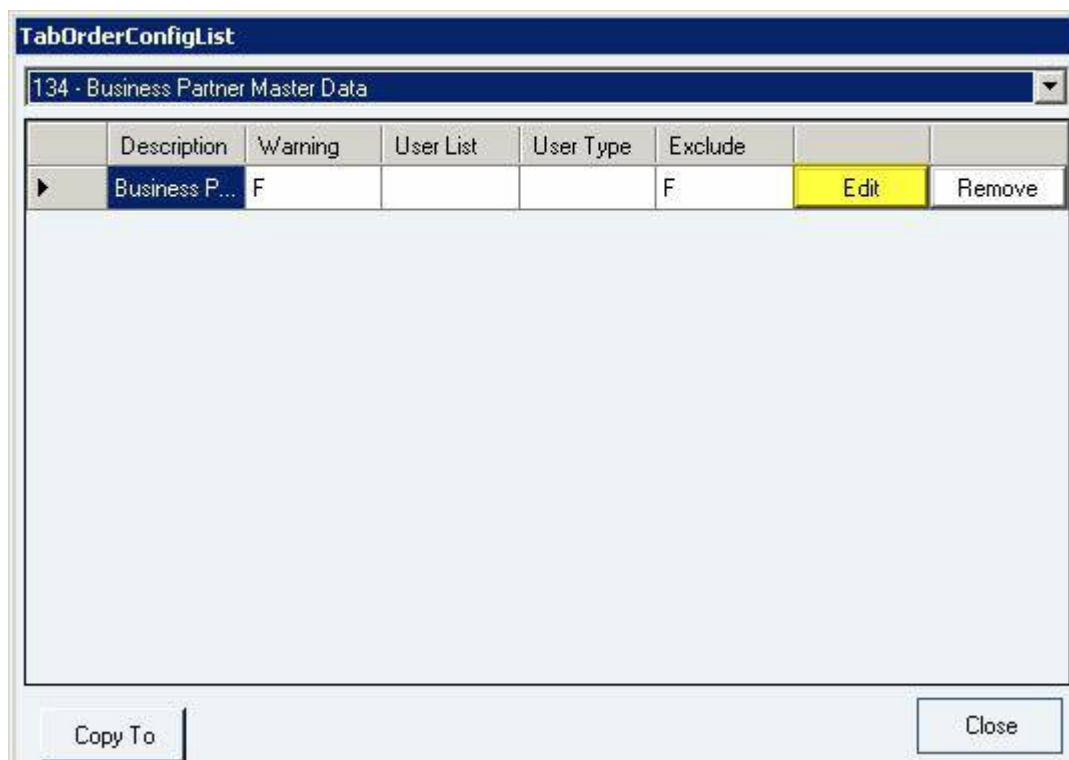


The tab order cannot be used to set the tab order of columns in an SAP UI grid or matrix object. This is an SAP® Business One UI limitation.

- Click the SAP menu option titled **Business Partner Master Data** under the **Business Partner** menu to load the **Business Partner Master Data** screen.
- Select the **Tab Sequence Configurator** option from the **APP Customizer** ➔ **Tab Order** menu group option from the right-click menu on the form.



- The **Tab Order Configuration Summary** screen for the **Business Partner Master Data** screen will load and display any tab sequences for the form.



- Click the **Edit** button at the end of the line for the tab sequence you want to edit.

Tab Order Settings: Configuration

Code: 37 Applicable Users: ...

Form Type: 134 ☐ Exclude Selected Items

Description: Business Partner Master Data

Item UID	Description
43	Tel 1
45	Tel 2
51	Mobile Phone
47	Fax
60	E-Mail
394	Web Site

☒ Active

Buttons: Add, Remove, Up, Down, OK, Cancel

- Make any needed changes to the tab sequence and click the **OK** button.



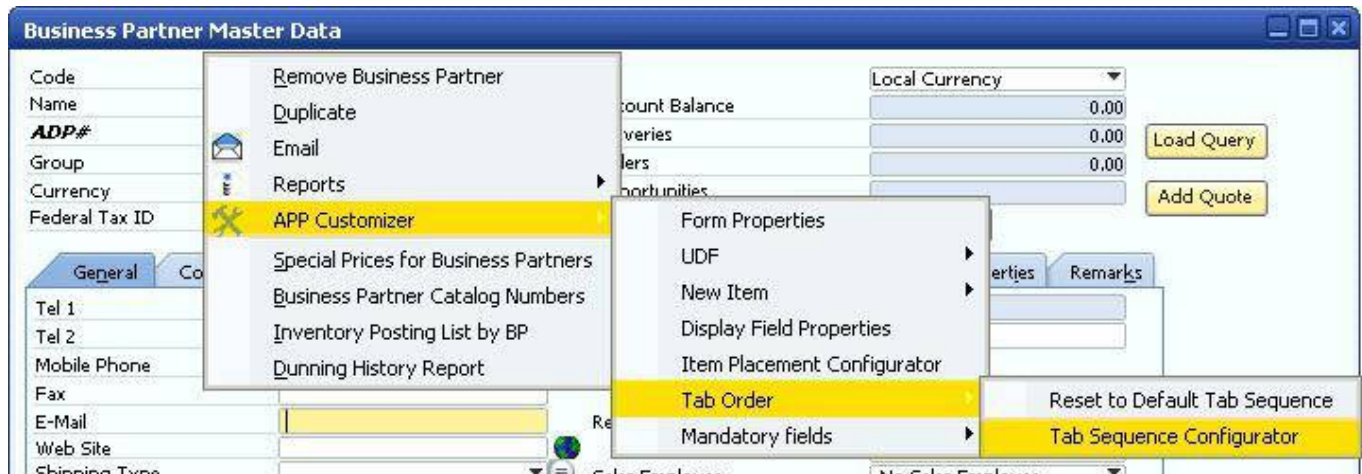
The form that you are editing the existing Tab Order Sequence on will need to be published and the form reloaded for the changes to be visible to the user.

How To Activate/Deactivate Tab Order Sequence

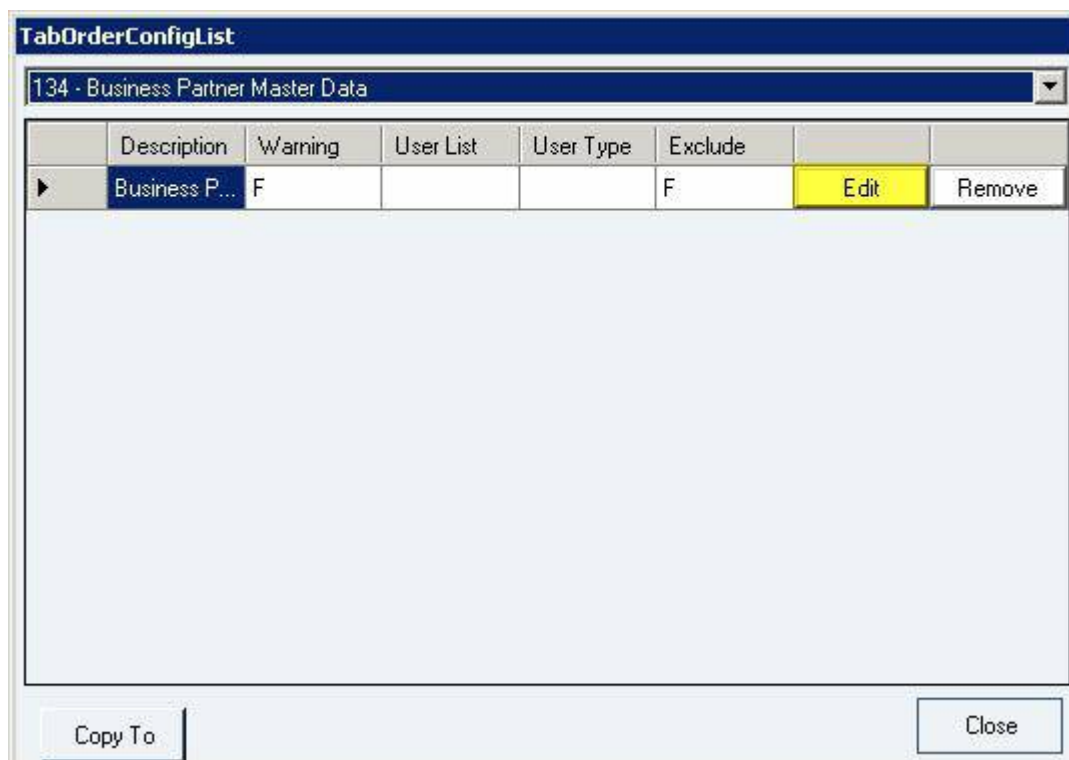


This example is for the **Business Partner Master Data** screen.

- Click the SAP menu option titled **Business Partner Master Data** under the **Business Partner** menu to load the **Business Partner Master Data** screen.
- Select the **Tab Sequence Configurator** option from the **APP Customizer** → **Tab Order** menu group option from the right-click menu on the form.



- The **Tab Order Configuration Summary** screen for the **Business Partner Master Data** screen will load and display any tab sequences for the form.



- Click the **Edit** button at the end of the line for the tab sequence you want to edit.

Tab Order Settings: Configuration

Code: 37 Applicable Users: ..

Form Type: 134 ☐ Exclude Selected Items

Description: Business Partner Master Data

Item UID	Description
43	Tel 1
51	Mobile Phone
45	Tel 2
47	Fax
60	E-Mail
394	Web Site

☒ Active

OK Cancel

Add Remove Up Down

- Check/uncheck the **Active** checkbox as needed.
- Click the **OK** button.



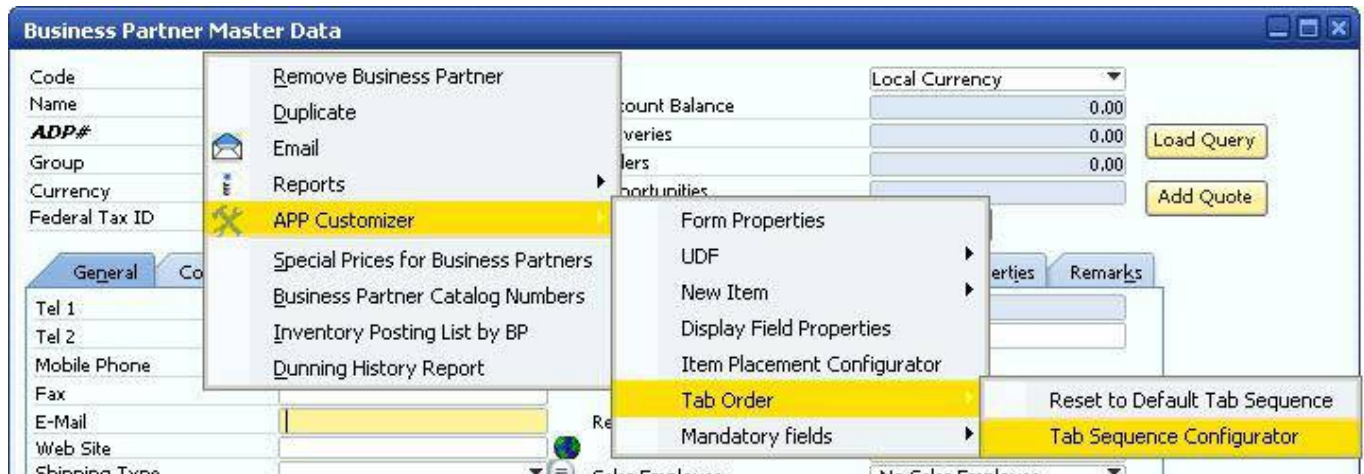
The form that you are altering the Tab Order Sequence on will need to be published and the form reloaded for the changes to be visible to the user.

How To Exclude Users from Tab Sequence

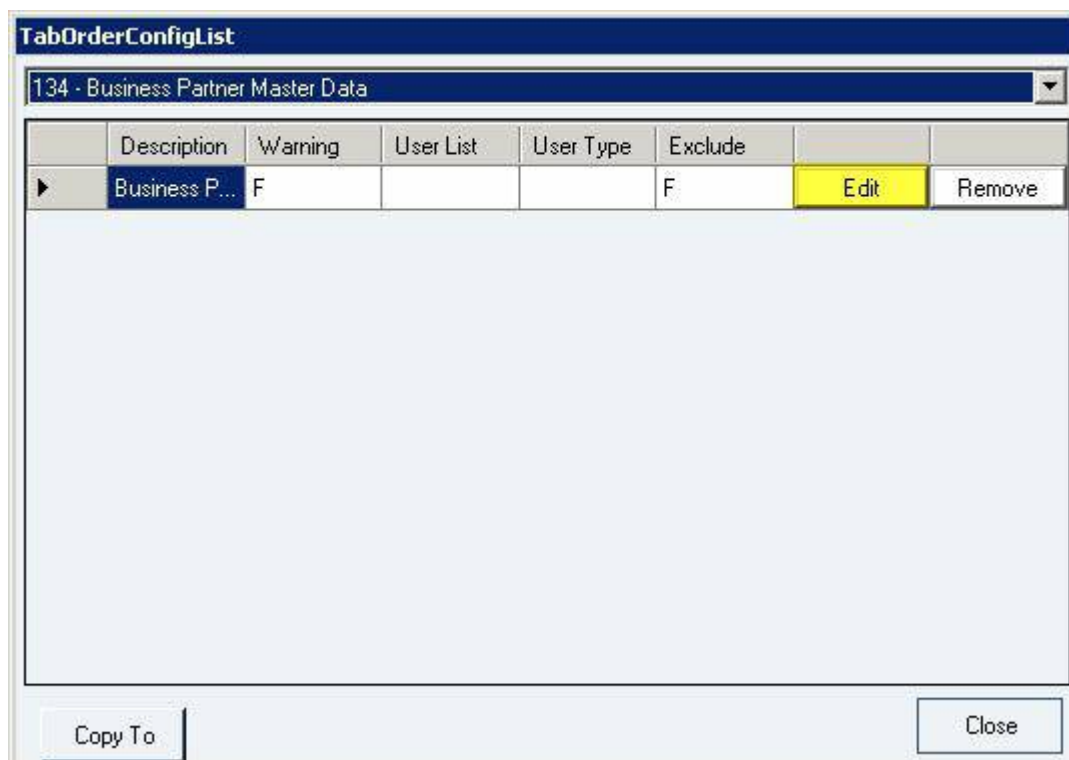


This example is for the **Business Partner Master Data** screen.

- Click the SAP menu option titled **Business Partner Master Data** under the **Business Partner** menu to load the **Business Partner Master Data** screen.
- Select the **Tab Sequence Configurator** option from the **APP Customizer** ➔ **Tab Order** menu group option from the right-click menu on the form.



- The **Tab Order Configuration Summary** screen for the **Business Partner Master Data** screen will load and display any tab sequences for the screen.



- Click the **Edit** button at the end of the line for the tab sequence you want to exclude items from to launch the **Tab Order Configuration Detail** screen.

Tab Order Settings: Configuration

Code: 3 Applicable Users: ... ☐ Exclude Selected Items

Form Type: 134

Description: Business Partner Master Data

Item UID	Description
185	Password
45	Tel 2
47	Fax
102	Shipping Type
60	E-Mail
51	Mobile Phone

Add
Remove
Up
Down

☒ Active

OK Cancel

- Click the ... button to launch the **Customizer User List** screen.

User List

Users | Branches | Departments

Select	User ID	UserCode
☒	5	ACCTPAY1
☐	36	ACCTPAY2
☐	8	ACCTREC1
☐	26	AUTH1
☐	27	AUTH2
☐	65	B1i
☐	34	billin
☐	12	BILLING1
☐	13	BILLING2

Cancel Select

- Select the users, branches, and/or departments that you want to exclude from the Tab Order Sequence.
- Click the **Select** button to return to the **Tab Order Configuration Detail** screen.

Tab Order Settings: Configuration

Code: 3 Applicable Users: manager,CONTROL1,CONTROL2,INVENT1; ☒ Exclude Selected Items

Form Type: 134

Description: Business Partner Master Data

Item UID	Description
185	Password
45	Tel 2
47	Fax
102	Shipping Type
60	E-Mail
51	Mobile Phone

☒ Active OK Cancel

- Select the **Exclude Selected Items** checkbox.
- Click the **OK** button.

How To Copy Tab Order Sequence



This example is for the **Business Partner Master Data** screen.

- Click the SAP menu option titled **Business Partner Master Data** under the **Business Partner** menu to load the **Business Partner Master Data** screen.
- Select the **Tab Sequence Configurator** option from the **APP Customizer** ➔ **Tab Order** menu group option from the right-click menu on the form.

Business Partner Master Data

Code: Name: ADP#: Group: Currency: Federal Tax ID: Local Currency: Count Balance: 0.00 Queries: 0.00 Load Query Add Quote

Tel 1: Tel 2: Mobile Phone: Fax: E-Mail: Web Site: Shipping Type: Properties: Remarks:

Right-click menu options: Remove Business Partner, Duplicate, Email, Reports, APP Customizer, Special Prices for Business Partners, Business Partner Catalog Numbers, Inventory Posting List by BP, Dunning History Report, Form Properties, UDF, New Item, Display Field Properties, Item Placement Configurator, Tab Order, Mandatory fields.

Sub-menu options: Reset to Default Tab Sequence, Tab Sequence Configurator.

- The **Tab Order Configuration Summary** screen for the **Business Partner Master Data** screen will load and display any tab sequences for the form.

TabOrderConfigList

134 - Business Partner Master Data

	Description	Warning	User List	User Type	Exclude		
▶	Business P...	F			T	Edit	Remove

Copy To

Close

- Highlight the tab sequence that you want to copy and click the **Copy To** button.

List of Forms

FormType	FormTitle
62	Warehouses
444	Budget Scenarios
60019	Team-setup
▶ 60100	Employee Master Data
141	A/P Invoice
435	CreditPaymentMethods-setup
65211	Production Order
898	Landed Costs - setup
60017	Packages-setup

OK Cancel

- Select the SAP Business One® screen that the tab sequence will be copied to and click the **OK** button.



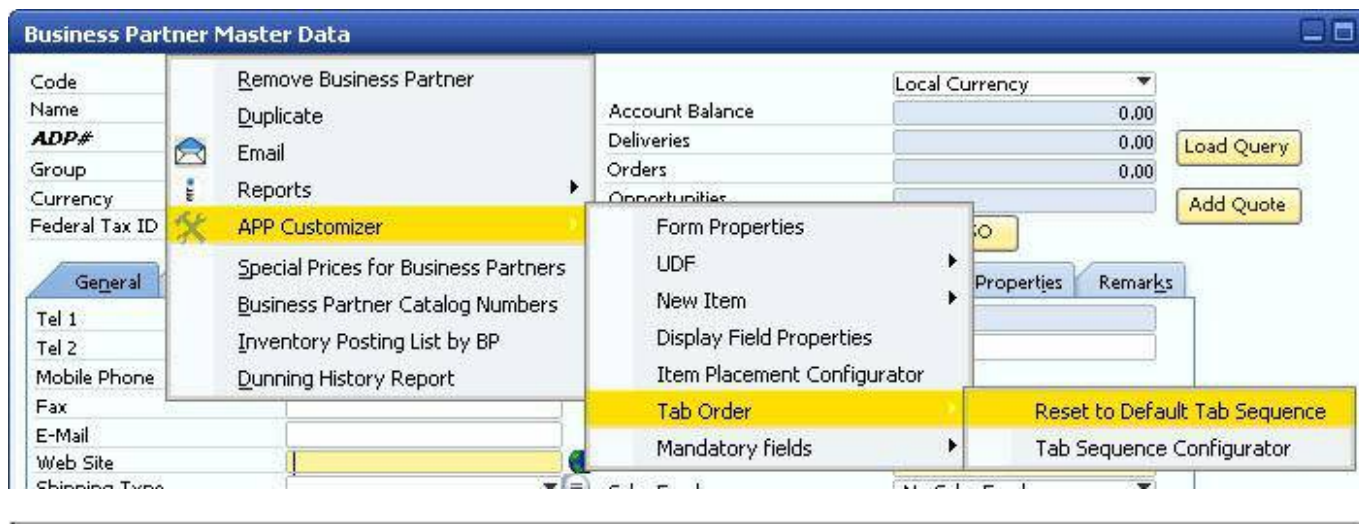
The application will perform no validation that the fields in the tab order sequence are present on the form to which the sequence is being copied. The user is responsible for verifying the fields on the new form and removing any not applicable entries from the tab order sequence.

How To Reset Tab Order Sequence



This example is for the **Business Partner Master Data** screen.

- Click the SAP menu option titled **Business Partner Master Data** under the **Business Partner** menu to load the **Business Partner Master Data** screen.
- Select the **Reset to Default Tab Sequence** option from the **APP Customizer** ➔ **Tab Order** menu group option from the right-click menu on the form.

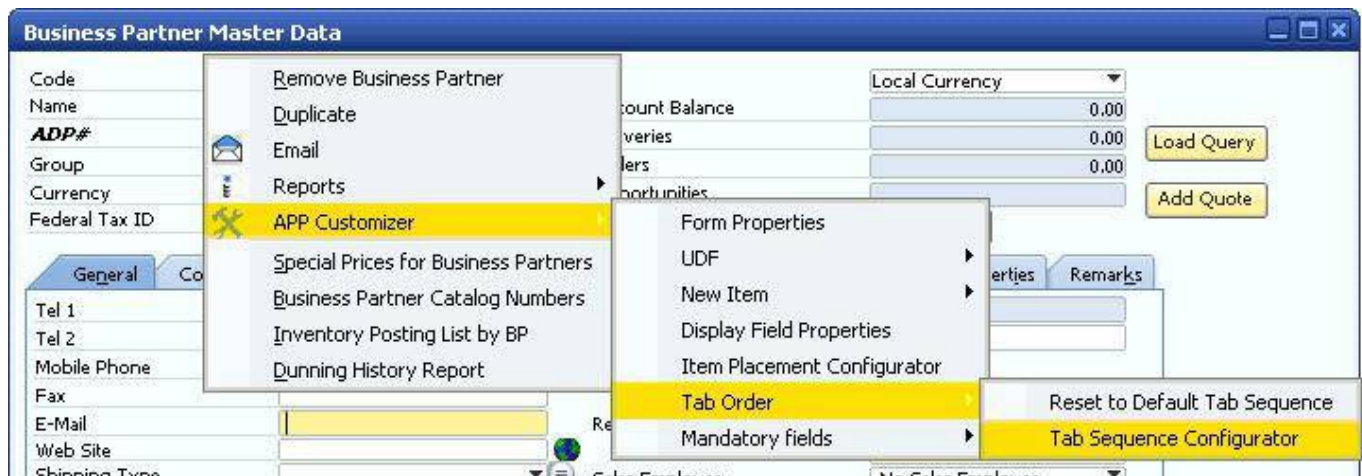


How To Remove Tab Order Sequence

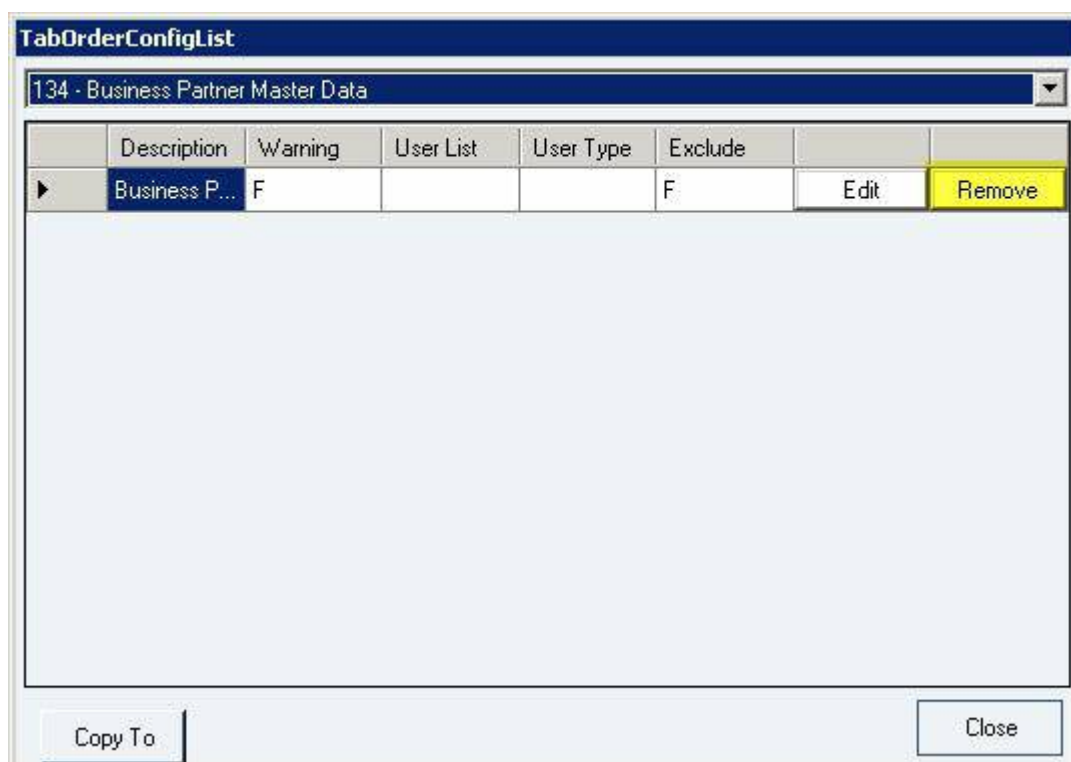


This example is for the **Business Partner Master Data** screen.

- Click the SAP menu option titled **Business Partner Master Data** under the **Business Partner** menu to load the **Business Partner Master Data** screen.
- Select the **Tab Sequence Configurator** option from the **APP Customizer** ➔ **Tab Order** menu group option from the right-click menu on the form.



- The **Tab Order Configuration Summary** screen for the **Business Partner Master Data** screen will load and display any tab sequences for the form.



- Click the **Remove** button at the end of the line for the tab sequence you want to remove.

Mandatory Fields

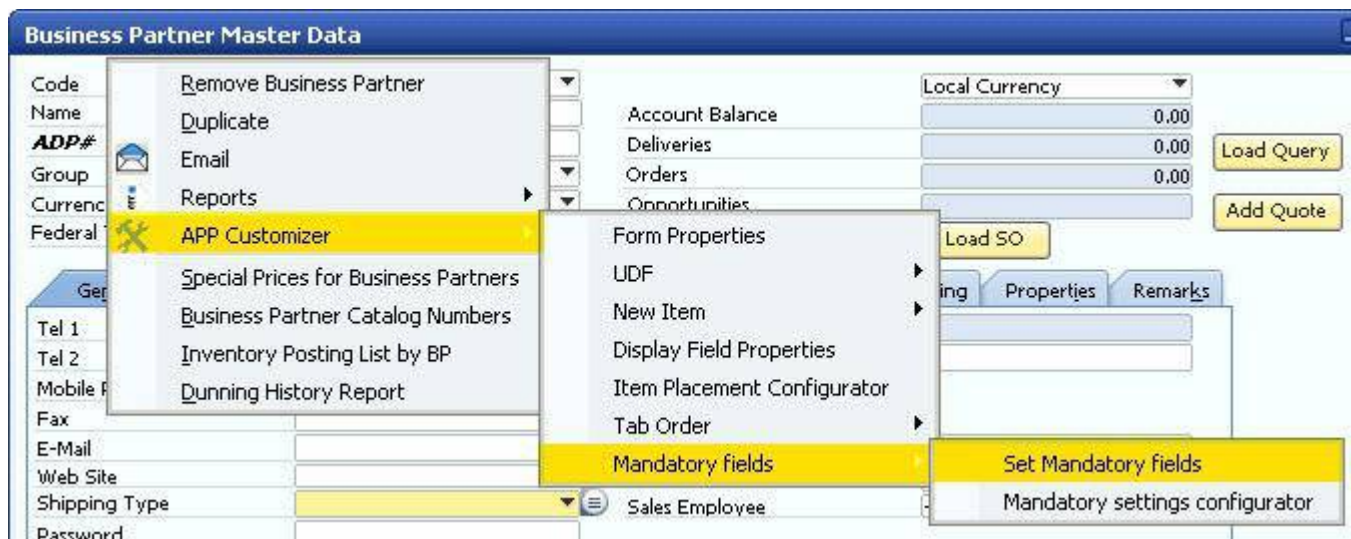
Mandatory Fields functionality allows the user to establish, edit, and remove custom designated mandatory fields for forms that will operate in addition to the normal required fields on a form.

How To Set Mandatory Fields

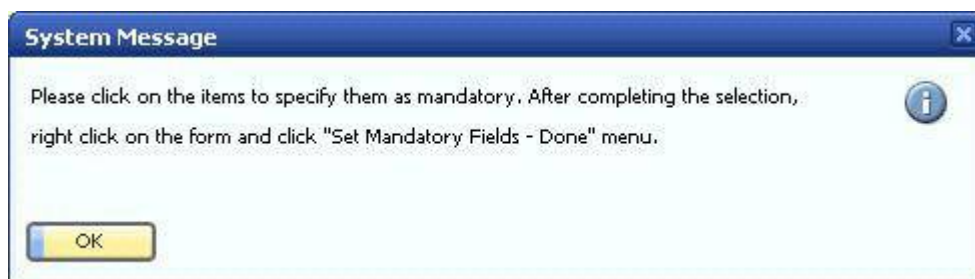


This example is for the **Business Partner Master Data** screen.

- Click the SAP menu option titled **Business Partner Master Data** under the **Business Partner** menu to load the **Business Partner Master Data** screen.
- Select the **Set Mandatory Fields** option from the **APP Customizer** → **Mandatory Fields** menu group option from the right-click menu on the form.



- The user will be prompted with the following message.



- Select the fields on the form which you want to set as mandatory fields.



Any user-defined fields **must** have items placed on the regular SAP® Business One forms in order to be included in mandatory fields setting.



Items that are check boxes **cannot** be set as mandatory fields.

Business Partner Master Data

Code	ZUR1000	Customer	Local Currency	
Name	ZURHEIDE ICE CREAM CO.,IN		Account Balance	0.00
ADP#	992000		Deliveries	0.00
Group	Customers		Orders	0.00
Currency	All Currencies		Opportunities	
Federal Tax ID			Copy BP Address Load Orders Load Delivery	

Tel 1	920-458-4581	Contact Person	
Tel 2		ID No. 2	
Mobile Phone		Remarks	
Fax		Sales Employee	Jonathan Brouwer
E-Mail		BP Channel Code	
Web Site		Technician	
Shipping Type		Territory	
Password		El. Doc. Export Format	
Factoring Indicator			
Project			
Industry			
Business Partner Type	Company		
Alias Name			
☒ Active ☐ Inactive ☐ Advanced	From	To	Remarks

- As fields are selected on the form, they will be marked in **Red** to identify that they have been chosen as mandatory fields.

- Complete the mandatory fields selection process by selecting the **Set Mandatory Fields - Done** option from the the **APP Customizer** → **Mandatory Fields** menu group option from the right-click menu on the form.

- The Mandatory Fields: Configuration screen will be loaded and display the mandatory fields information that was just set. Users can **Add** or **Remove** items from the required fields list using the buttons on the configuration screen.

Item UID	Description	Column	Empty Value	Ignore Last Row
45	Tel 2			☒
60	E-Mail			☒



The form that you are setting the new Mandatory Fields requirements on will need to be published and the form reloaded for the changes to be visible to the user.

How To Edit Mandatory Fields



This example is for the **Business Partner Master Data** screen.

- Click the SAP menu option titled **Business Partner Master Data** under the **Business Partner** menu to load the **Business Partner Master Data** screen.
- Select the **Mandatory Settings Configurator** option from the **APP Customizer** ➔ **Mandatory Fields** menu group option from the right-click menu on the form.

- The **Mandatory Fields Configuration Summary** screen for the **Business Partner Master Data** screen will load and display any mandatory fields configurations for the form.

MandatoryConfigList

134 - Business Partner Master Data

	Description	Warning	User List	User	Exclude			
▶	Business...	T			F	Edit	Remove	Clone

Copy To Close

- Click the **Edit** button at the end of the line for the mandatory fields you want to edit.
- The **Mandatory Fields: Configuration** screen will load for the mandatory fields you chose to edit.

Mandatory Fields: Configuration

Code: 39
 Form Type: 134
 Description: Business Partner Master Data
 Add/Update UID: 1

Applicable Users: [Empty]
☒ Check during Add ☐ Exclude Selected Items
☒ Check during Update
 Mark mandatory fields with color: Red

	Item UID	Description	Column	Empty Value	Ignore Last Row
▶	45	Tel 2			☒
	60	E-Mail			☒

☐ Warning only
☒ Active

Add Remove OK Cancel

- Make any needed changes to the mandatory fields and click the **OK** button.



The form that you are editing the Mandatory Fields requirements on will need to be published and the form reloaded for the changes to be visible to the user.

How To Activate/Deactivate Mandatory Fields



This example is for the **Business Partner Master Data** screen.

- Click the SAP menu option titled **Business Partner Master Data** under the **Business Partner** menu to load the **Business Partner Master Data** screen.
- Select the **Mandatory Settings Configurator** option from the **APP Customizer** **Mandatory Fields** menu group option from the right-click menu on the form.

The screenshot shows the 'Business Partner Master Data' screen. A right-click menu is open over the 'Sales Employee' field. The menu path is: **APP Customizer** (highlighted in yellow) > **Mandatory fields** (highlighted in yellow) > **Mandatory settings configurator** (highlighted in yellow). Other menu options include 'Form Properties', 'UDF', 'New Item', 'Display Field Properties', 'Item Placement Configurator', and 'Tab Order'. The background form shows various fields like 'Code', 'Name', 'ADP.#', 'Group', 'Currency', 'Federal', 'Tel 1', 'Tel 2', 'Mobile P', 'Fax', 'E-Mail', 'Web Site', 'Shipping Type', and 'Password'. There are also buttons for 'Load Query', 'Add Quote', 'Load SO', and 'Properties'.

- The **Mandatory Fields Configuration Summary** screen for the **Business Partner Master Data** screen will load and display any mandatory fields configurations for the form.

The screenshot shows the 'MandatoryConfigList' screen. It has a title bar 'MandatoryConfigList' and a dropdown menu showing '134 - Business Partner Master Data'. Below the dropdown is a table with the following columns: 'Descriptor', 'Warning', 'User List', 'User', 'Exclude', 'Edit', 'Remove', and 'Clone'. The first row of data has 'Business...' in the 'Descriptor' column, 'T' in the 'Warning' column, and 'F' in the 'Exclude' column. The 'Edit', 'Remove', and 'Clone' buttons are highlighted in yellow. At the bottom of the screen, there are 'Copy To' and 'Close' buttons.

Descriptor	Warning	User List	User	Exclude	Edit	Remove	Clone
Business...	T			F			

- Click the **Edit** button at the end of the line for the mandatory fields you want to edit.

Mandatory Fields: Configuration

Code: 39
 Form Type: 134
 Description: Business Partner Master Data
 Add/Update UID: 1

Applicable Users:

☒ Check during Add ☐ Exclude Selected Items
☒ Check during Update

Mark mandatory fields with color: Red

	Item UID	Description	Column	Empty Value	Ignore Last Row
▶	45	Tel 2			☒
	60	E-Mail			☒

☐ Warning only
☒ Active

- Check/uncheck the **Active** checkbox as needed and click the **OK** button.



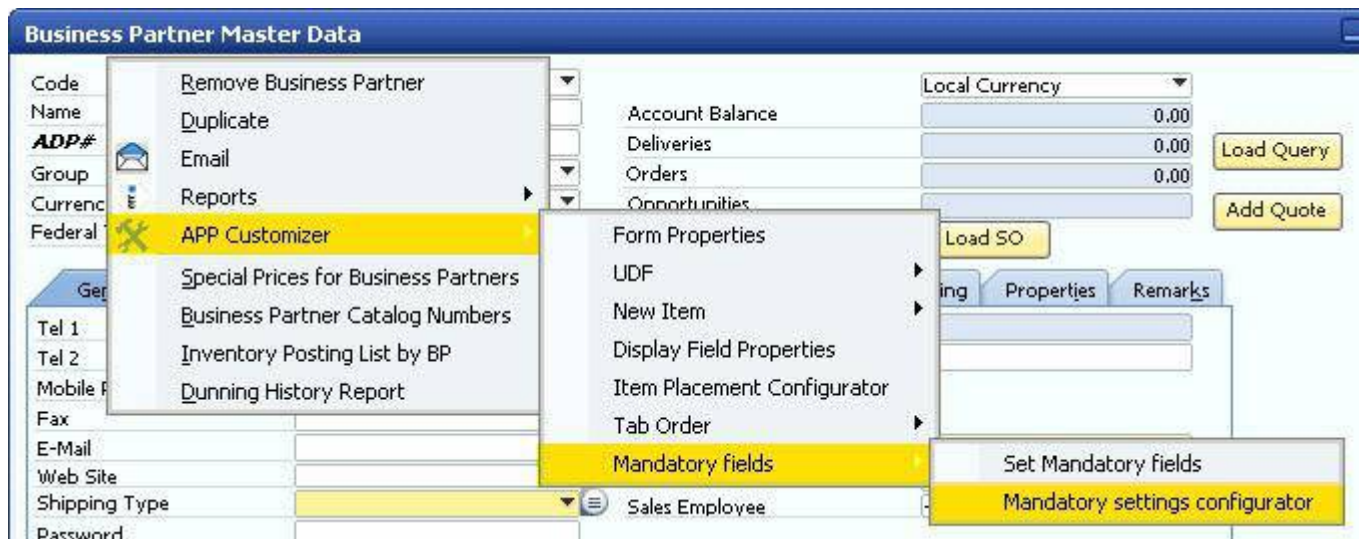
The form that you are activating/deactivating the Mandatory Fields requirements on will need to be published and the form reloaded for the changes to be visible to the user.

How To Exclude Users from Mandatory Fields

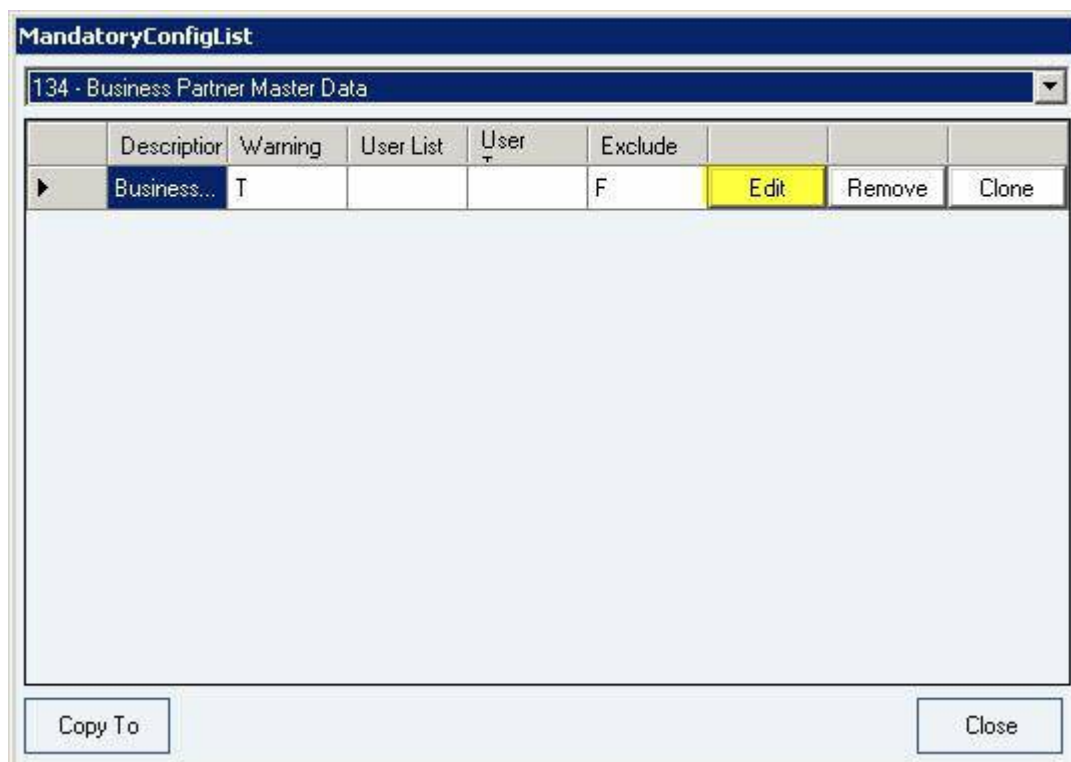


This example is for the **Business Partner Master Data** screen.

- Click the SAP menu option titled **Business Partner Master Data** under the **Business Partner** menu to load the **Business Partner Master Data** screen.
- Select** the **Mandatory Settings Configurator** option from the **APP Customizer** **Mandatory Fields** menu group option from the right-click menu on the form.



- The **Mandatory Fields Configuration Summary** screen for the **Business Partner Master Data** screen will load and display any mandatory fields configurations for the form.



- Click the **Edit** button at the end of the line for the mandatory fields you want to exclude items from to launch the **Mandatory Fields Configuration Detail** screen.

Mandatory Fields: Configuration

Code: 4
 Form Type: 134
 Description: Business Partner Master Data
 Add/Update UID: 1

Applicable Users: 

☒ Check during Add ☐ Exclude Selected Items
☒ Check during Update

Mark mandatory fields with color: Red

Item UID	Description	Column	Empty Value	Ignore Last Row
43	Tel 1			☐
45	Tel 2			☐
51	Mobile Phone			☐
47	Fax			☐
60	E-Mail			☐
394	Web Site			☐

☐ Warning only
☒ Active

- Click the  button to launch the **Customizer User List** screen.

User List

Users | Branches | Departments

Select	User ID	UserCode
☒	5	ACCTPAY1
☐	36	ACCTPAY2
☐	8	ACCTREC1
☐	26	AUTH1
☐	27	AUTH2
☐	65	B1i
☐	34	billin
☐	12	BILLING1
☐	13	BILLING2

- Select the users, branches, and/or departments that you want to exclude from the Mandatory Fields.
- Click the **Select** button to return to the **Mandatory Fields Configuration Detail** screen.

Mandatory Fields: Configuration

Code: 4
 Form Type: 134
 Description: Business Partner Master Data
 Add/Update UID: 1

Applicable Users: manager,CONTROL1,CONTROL2,INVENT1;
☒ Check during Add ☒ Exclude Selected Items
☒ Check during Update
 Mark mandatory fields with color: Red

	Item UID	Description	Column	Empty Value	Ignore Last Row
▶	43	Tel 1			☐
	45	Tel 2			☐
	51	Mobile Phone			☐
	47	Fax			☐
	60	E-Mail			☐
	394	Web Site			☐

☐ Warning only
☒ Active

OK Cancel

Add Remove

- Select the **Exclude Selected Items** checkbox.
- Click the **OK** button.



The form that you are editing the Mandatory Fields requirements on will need to be published and the form reloaded for the changes to be visible to the user.

How To Copy Mandatory Fields



This example is for the **Business Partner Master Data** screen.

- Click the SAP menu option titled **Business Partner Master Data** under the **Business Partner** menu to load the **Business Partner Master Data** screen.
- Select the **Mandatory Settings Configurator** option from the **APP Customizer** **Mandatory Fields** menu group option from the right-click menu on the form. ➡

The screenshot shows the 'Business Partner Master Data' screen. The 'APP Customizer' menu is open, and the 'Mandatory fields' option is highlighted. The 'Mandatory settings configurator' sub-menu is also visible.

- The **Mandatory Fields Configuration Summary** screen for the **Business Partner Master Data** screen will load and display any mandatory fields configurations for the form.

The screenshot shows the 'MandatoryConfigList' screen. The table displays the following data:

	Description	Warning	User List	User Type	Exclude			
▶	Business Partner ...	T			F	Edit	Remove	Clone

At the bottom of the screen, there are buttons for 'Copy To' and 'Close'.

- Highlight the mandatory fields that you want to copy and click the **Copy To** button.

FormType	FormTitle
668	Special Prices
60701	HouseBankAccounts
247	VendorGroups-setup
60750	Additional Authorization creator
180	Sales Return
67	InventoryCycles-setup
392	JournalEntries
62	Warehouses
444	Budget Scenarios

- Select the SAP Business One® screen that you want to copy the mandatory fields to and click the **OK** button.



The application will perform no validation that the fields in the mandatory fields are present on the form to which the sequence is being copied. The user is responsible for verifying the fields on the new form and removing any not applicable entries from the mandatory fields.



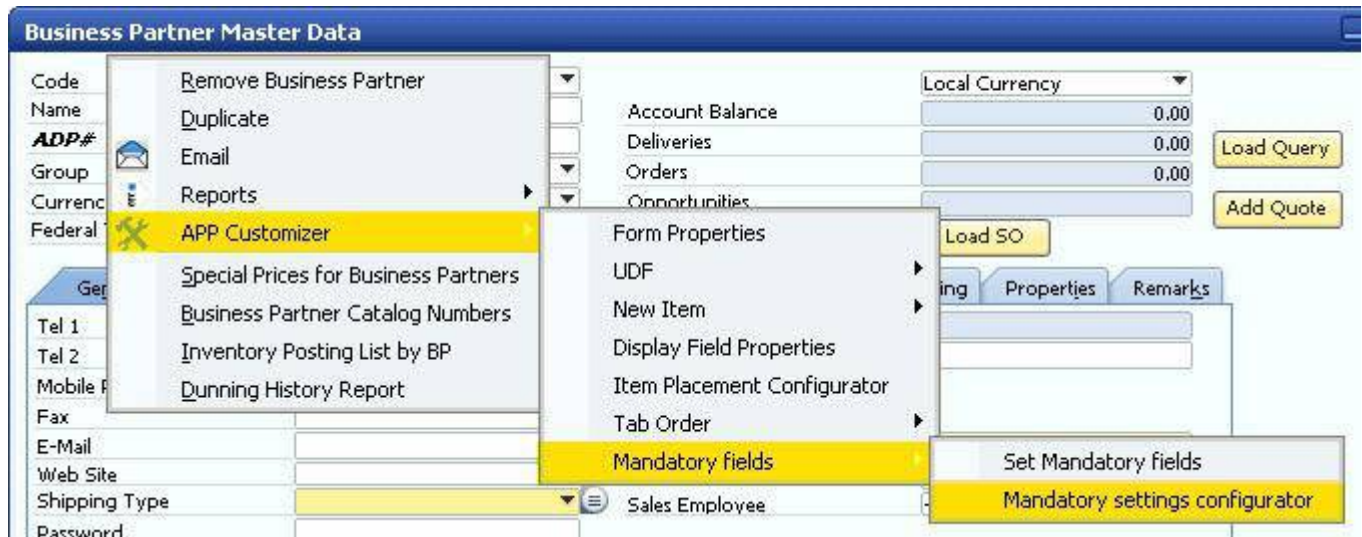
The form that you are copying the Mandatory Fields requirements to will need to be published and the form reloaded for the changes to be visible to the user.

How To Clone Mandatory Fields

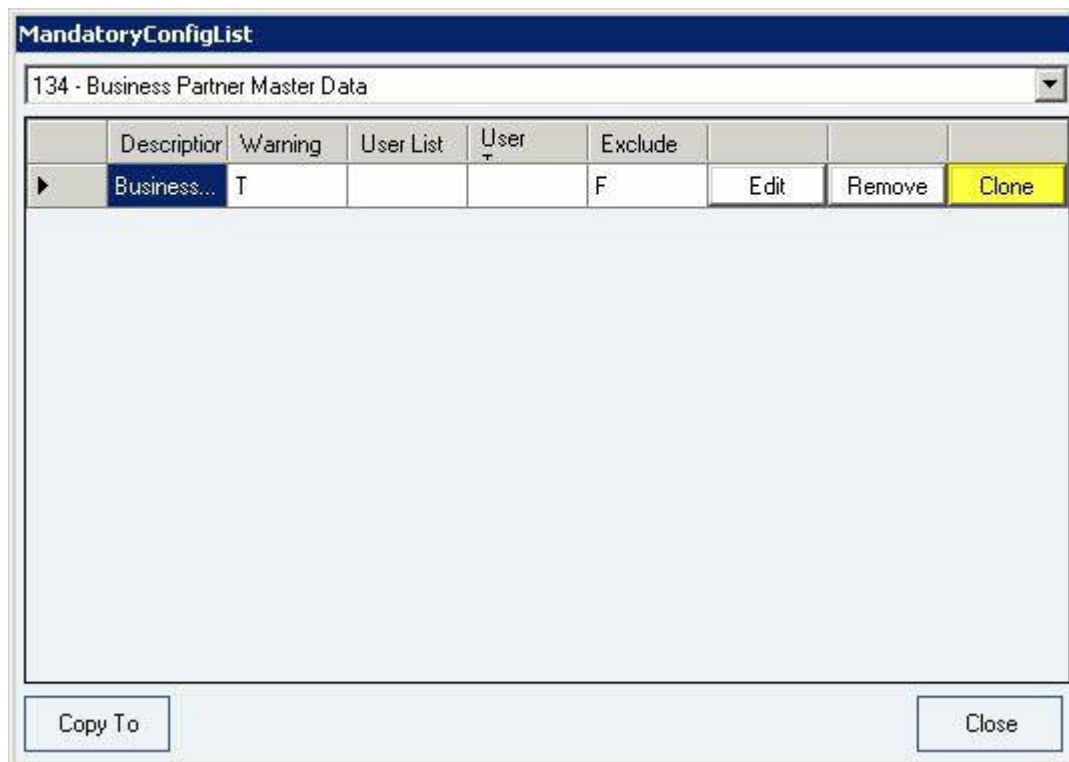


This example is for the **Business Partner Master Data** screen.

- Click the SAP menu option titled **Business Partner Master Data** under the **Business Partner** menu to load the **Business Partner Master Data** screen.
- Select the **Mandatory Settings Configurator** option from the **APP Customizer**  **Mandatory Fields** menu group option from the right-click menu on the form.



- The **Mandatory Fields Configuration Summary** screen for the **Business Partner Master Data** screen will load and display any mandatory fields configurations for the form.



- Click the **Clone** button at the end of the line for the mandatory fields you want to clone.
- The **Mandatory Fields: Configuration** screen will load for the mandatory fields you chose to clone.

Mandatory Fields: Configuration

Code: 3
 Form Type: 134
 Description: Business Partner Master Data
 Add/Update UID: 1

Applicable Users:
☒ Check during Add ☐ Exclude Selected Items
☒ Check during Update
 Mark mandatory fields with color: SlateBlue

	Item UID	Description	Column	Empty Value	Ignore Last Row
▶	43	Tel 1			☐
	60	E-Mail			☐

☐ Warning only
☒ Active

- Make any needed changes to the mandatory fields and click the **OK** button.

MandatoryConfigList

134 - Business Partner Master Data

	Description	Warning	User List	User	Exclude			
▶	Business...	T			F	Edit	Remove	Clone
	Business...	T	OPSMG...	U	F	Edit	Remove	Clone

- The **Mandatory Fields Configuration Summary** screen for the **Business Partner Master Data** screen will load and contain the newly cloned configuration.

How To Reset Mandatory Fields



This example is for the **Business Partner Master Data** screen.

- Click the SAP menu option titled **Business Partner Master Data** under the **Business Partner** menu to load the **Business Partner Master Data** screen.
- Select the **Reset to Mandatory Fields** option from the **APP Customizer** → **Mandatory Fields** menu group option from the right-click menu on the form.

The screenshot shows the 'Business Partner Master Data' screen. A right-click menu is open over the 'APP Customizer' option. The menu path is: **APP Customizer** → **Mandatory fields** → **Reset Mandatory fields**. The 'Reset Mandatory fields' option is highlighted in yellow.

How To Remove Mandatory Fields



This example is for the **Business Partner Master Data** screen.

- Click the SAP menu option titled **Business Partner Master Data** under the **Business Partner** menu to load the **Business Partner Master Data** screen.
- Select the **Mandatory Settings Configurator** option from the **APP Customizer** → **Mandatory Fields** menu group option from the right-click menu on the form.

The screenshot shows the 'Business Partner Master Data' screen. A right-click menu is open over the 'APP Customizer' option. The menu path is: **APP Customizer** → **Mandatory fields** → **Set Mandatory fields**. The 'Set Mandatory fields' option is highlighted in yellow.

- The **Mandatory Fields Configuration Summary** screen for the **Business Partner Master Data** screen will load and display any mandatory fields configurations for the form.

Description	Warning	User List	User	Exclude	Edit	Remove	Clone
Business...	T			F			

- Click the **Remove** button at the end of the line for the mandatory fields you want to remove.



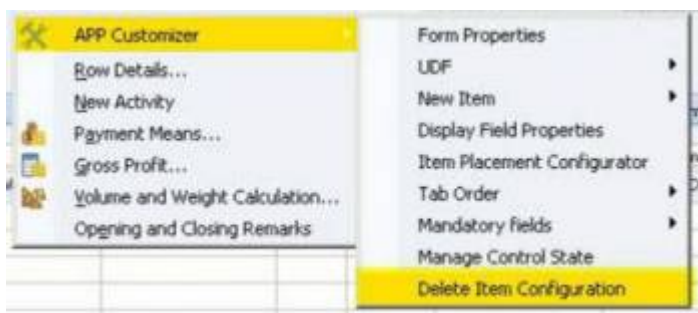
The form that you are removing the Mandatory Fields requirements from will need to be published and the form reloaded for the changes to be visible to the user.

How To Delete Item Configurations



This example is for the **Sales Order** screen.

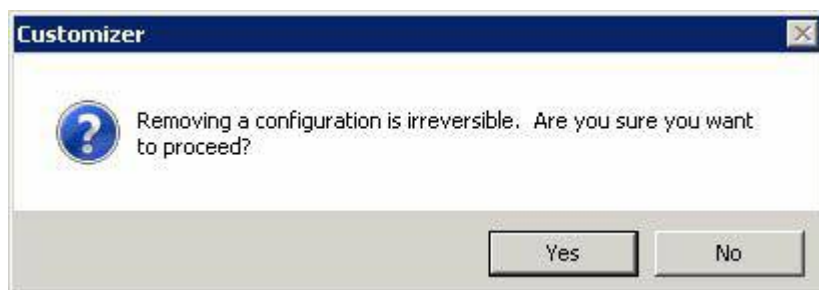
- Click the SAP menu option titled **Sales Order** under the **Sales - A/R** menu to load the **Sales Order** screen.





The right-click menu should be launched while the mouse is on top of the custom configured item.

- Select the **Delete Item Configuration** option from the **APP Customizer** menu group option from the right-click menu.



- All APP modifications to the object will be removed. This can be confirmed by loading the **Item Configurator** screen.



If the control whose customizations are being removed is a custom control added through APP Customizer, the control will be removed from the form.

How To Create Menu Shortcuts

- Click the **Report Definition** menu option under the **Administration** ➡ **Setup** ➡ **APP Configuration** menu groups.
- Load the appropriate object that you want to create the menu option for.

APP - Report Maintenance

Category	Type	ID	ReportName	Enabled	C...
	Query	407	Test Chart	True	APP
	Query	408	Top10	True	APP
	Query	432	סח"כ לפני הנחה	True	APP
	Report	1	Quote 2	True	All
	Report	2	Sales Order by Menu	True	All
	Report	3	Invoice 2	True	All
	Report	6	Credit Memo 2	True	All
	Report	7	Sales Return 2	True	All
	Report	15	AR Down Payment 2	True	All
	Report	62	Test	False	All
	Report	63	Test	False	All
	Report	64	Test	True	All
	Report	359	Sales Order 3	True	All

General | Delivery preferences | Printing preferences

☐ EMAIL ONLY
 ☒ REPORT
 ☐ REPORT GROUP
 ☐ QUERY

Report ID: 2
 Name: Sales Order by Menu
 Category: Sales - A/R 
 Select Database: All
 Description: Sales Order v2
 File Path: C:\Program Files (x86)\SAP\SAP Business One\Addons\TWBS\Third...

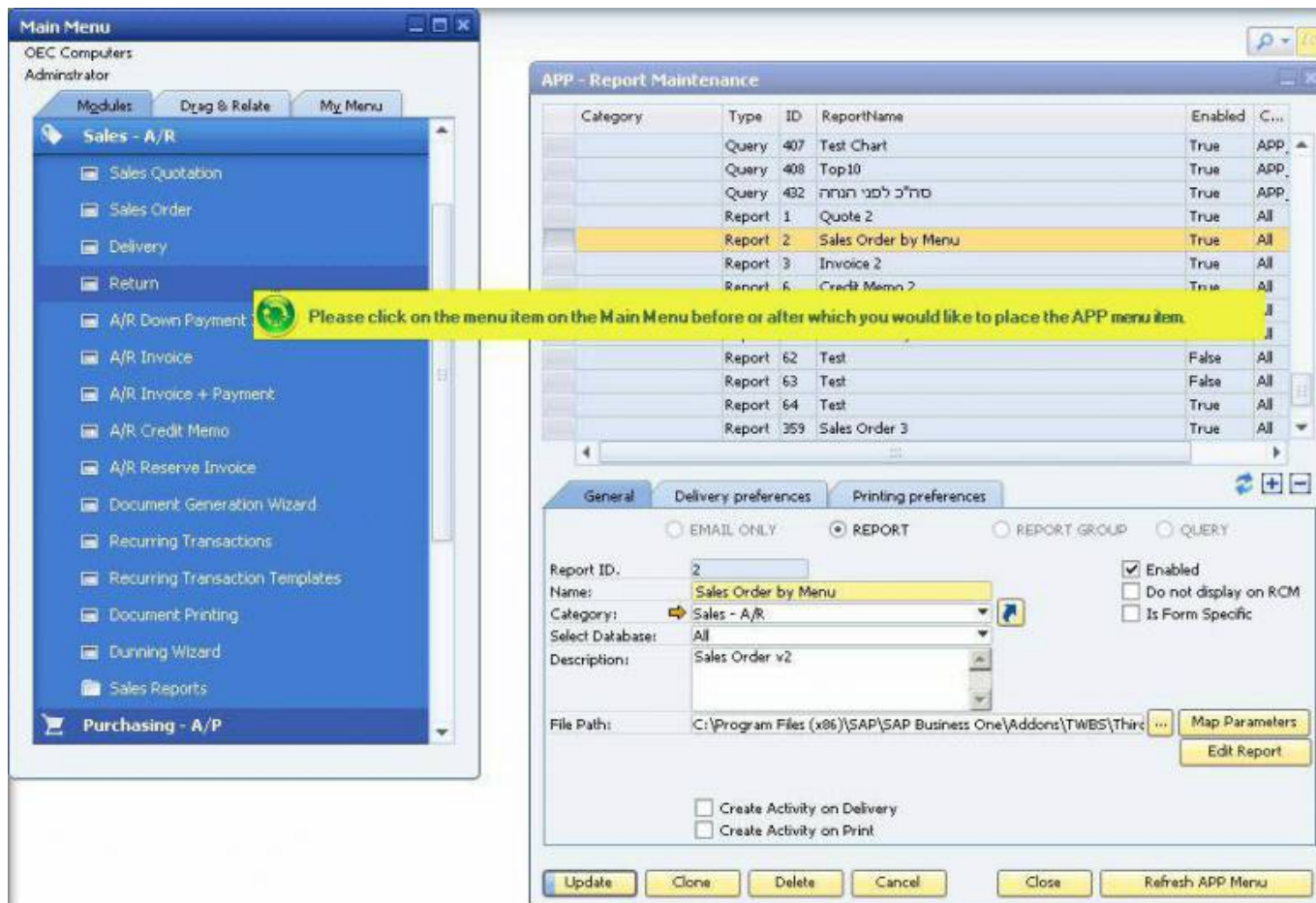
☒ Enabled
☐ Do not display on RCM
☐ Is Form Specific

☐ Create Activity on Delivery
☐ Create Activity on Print

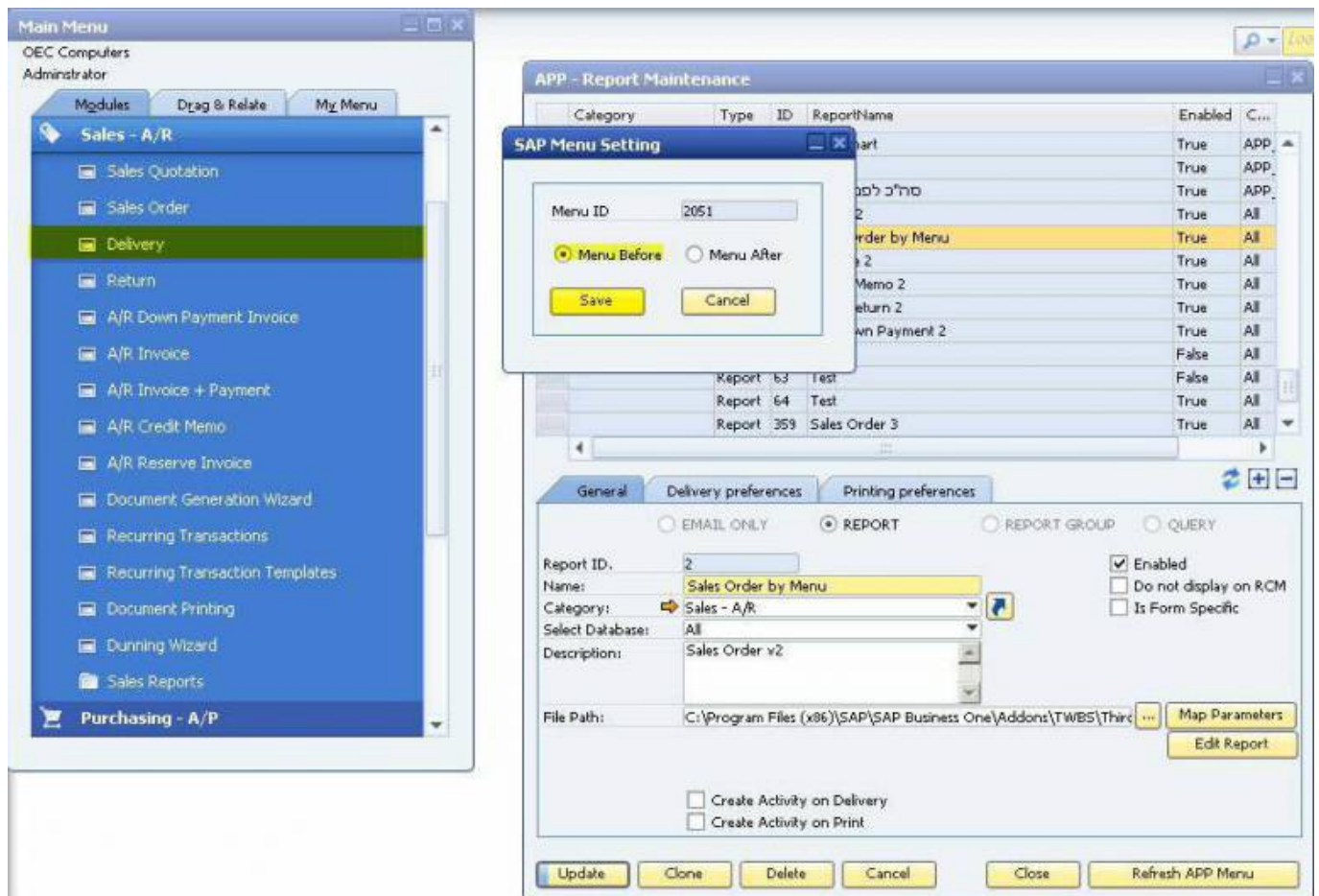
Map Parameters
 Edit Report

Update Clone Delete Cancel Close Refresh APP Menu

- Click the **Menu Position Tool** button  to the right of the **Category** field.
- An object will appear on the screen instructing you to click on the menu item either before or after the location in which you want to place your new custom menu option.



- Click on the SAP menu option before or after the location where you want to place the custom menu option to use it as a position reference (for the purpose of this example, the **Delivery** menu option).
- The **SAP Menu Setting** screen will appear and will populate the **Menu ID** field with the value of the menu you selected as a position reference. Select either the **Menu Before** or **Menu After** option to specifically place your custom menu option.



- Click the **Save** button.
- The **Menu Position Tool** button icon on the **Reports Maintenance** screen is now changed to indicate that a menu option has been placed for the object.

APP - Report Maintenance

Category	Type	ID	ReportName	Enabled	C...
	Query	407	Test Chart	True	APP
	Query	408	Top10	True	APP
	Query	432	סדר"כ לסוגי הנחה	True	APP
	Report	1	Quote 2	True	All
	Report	2	Sales Order by Menu	True	All
	Report	3	Invoice 2	True	All
	Report	6	Credit Memo 2	True	All
	Report	7	Sales Return 2	True	All
	Report	15	AR Down Payment 2	True	All
	Report	62	Test	False	All
	Report	63	Test	False	All
	Report	64	Test	True	All
	Report	359	Sales Order 3	True	All

General Delivery preferences Printing preferences

☐ EMAIL ONLY
 ☒ REPORT
 ☐ REPORT GROUP
 ☐ QUERY

Report ID: 2
 Name: Sales Order by Menu
 Category: Sales - A/R
 Select Database: All
 Description: Sales Order v2
 File Path: C:\Program Files (x86)\SAP\SAP Business One\Addons\TWBS\Thirc ...

☒ Enabled
☐ Do not display on RCM
☐ Is Form Specific

☐ Create Activity on Delivery
☐ Create Activity on Print

Map Parameters
 Edit Report

Update Clone Delete Cancel Close Refresh APP Menu

How To Use the Manage Control State Screen



This example is for the **Item Master Data** screen.



The visible/enabled properties are **not** being removed from the **Form Properties/Events** screen. Any values set for controls there in previous versions of APP will retain their values. However, any **Manage Control State** customized entries will override the **Form Properties/Events** screen settings.

- Click the SAP menu option titled **Item Master Data** under the **Inventory** menu to load the **Inventory Master Data** screen.
- Right click on the form. Select the option titled **Manage Control State** under the **APP Customizer** right click menu to load the **Manage Control State** screen.

Read Only/Visible Configuration

Item UID	Description	Item Type	Enable(Add Mode)	Enable(OK Mode)	Enable(Find Mode)	Visible(Add Mode)	Visible(OK Mode)	Visible(Find Mode)	Users	User Settings	User List Type
1	OK	Button	☒	☒	☒	☒	☒	☒			
2	Cancel	Button	☒	☒	☒	☒	☒	☒			
3		Tab	☒	☒	☒	☒	☒	☒			
4		Tab	☒	☒	☒	☒	☒	☒			
5	ItemCode	Text Box	☒	☒	☒	☒	☒	☒			
6	Item No.	Label	☒	☒	☒	☒	☒	☒			
7	ItemName	Text Box	☒	☒	☒	☒	☒	☒			
8	Description	Label	☒	☒	☒	☒	☒	☒			
9		Tab	☒	☒	☒	☒	☒	☒			
10	SYS_74	Text Box	☒	☒	☒	☒	☒	☒			
11		Tab	☒	☒	☒	☒	☒	☒			
12		Check Box	☒	☒	☒	☒	☒	☒			
13		Check Box	☒	☒	☒	☒	☒	☒			
14		Check Box	☒	☒	☒	☒	☒	☒			
15		Check Box	☒	☒	☒	☒	☒	☒			

Update Cancel

- For the purpose of this example, I'll deactivate the **Description** field in **Add** and **OK** mode. I will also deactivate and hide the **Item Group** field in **Add** and **OK** mode. The fields will **not** be affected in **Find** mode.

Read Only/Visible Configuration

Item UID	Description	Item Type	Enable(Add Mode)	Enable(OK Mode)	Enable(Find Mode)	Visible(Add Mode)	Visible(OK Mode)	Visible(Find Mode)	Users	User Settings	User List Type
7	ItemName	Text Box	☐	☐	☒	☒	☒	☒			
39	ItemGrpCod	Combo Box	☐	☐	☒	☐	☐	☒			
1	OK	Button	☒	☒	☒	☒	☒	☒			
2	Cancel	Button	☒	☒	☒	☒	☒	☒			
3		Tab	☒	☒	☒	☒	☒	☒			
4		Tab	☒	☒	☒	☒	☒	☒			
5	ItemCode	Text Box	☒	☒	☒	☒	☒	☒			
6	Item No.	Label	☒	☒	☒	☒	☒	☒			
8	Description	Label	☒	☒	☒	☒	☒	☒			
9		Tab	☒	☒	☒	☒	☒	☒			
10	SYS_74	Text Box	☒	☒	☒	☒	☒	☒			
11		Tab	☒	☒	☒	☒	☒	☒			
12		Check Box	☒	☒	☒	☒	☒	☒			
13		Check Box	☒	☒	☒	☒	☒	☒			
14		Check Box	☒	☒	☒	☒	☒	☒			

OK Cancel



When the **Manage Control State** screen is opened, any modified control lines will show at the top of the form, followed by unmodified control lines.



Only one entry per form control is allowed and modifiable on this screen. Therefore you **cannot** have one line for a control assigned to or excluding specific users and also have a second line configured differently for the same control.



The customized entry on the Manage Control State screen will be overridden by any customized properties set directly on the control itself.

- Click the **Update** button to apply the customization.
- Click the **OK** button or **Cancel** button to close the form.



The **Item Master Data** screen needs to be closed and reopened for the changes to take affect.

- Reopen the **Item Master Data** screen and move to the last Item.

Item Master Data

Item No. Manual z230 Bar Code ☒ Inventory Item

Description z230 ☒ Sales Item

Foreign Name ☒ Purchase Item

Item Type Items ☐ Fixed Assets

Item Group Fire Macro

Price List Dealer Unit Price \$ 222.00

General Purchasing Data Sales Data Inventory Data Planning Data Properties Remarks Attachments

☒ Tax Liab

☐ Phantom Item

Manufacturer OEC Issue Method Backflush

Additional Identifier 123

Shipping Type Fedex EM

Serial and Batch Numbers

Manage Item by None

☒ Active From To Remarks

☐ Inactive

☐ Advanced

OK Cancel

- The **Description** field is now disabled and the **Item Group** field is now invisible.



To remove a customized control line, you'll need to manually select the Visible and/or Enabled check boxes and remove assigned users in order to return the form control to the default state.

How To Select a Color Value for Properties

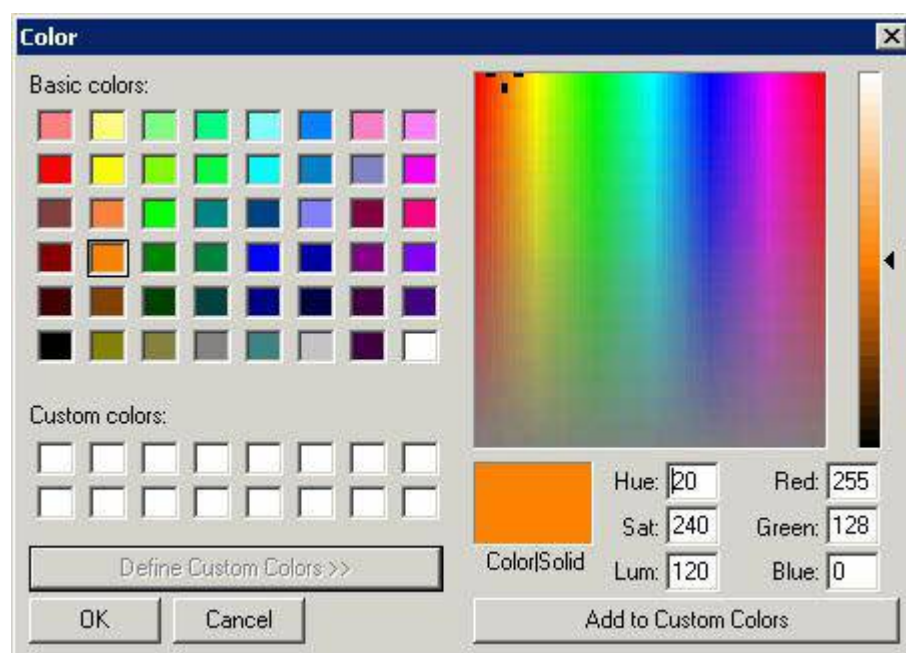
APP Customizer includes the ability to set values for display colors for several properties of forms and items. Several commonly used colors are referenced below for easy application of the values and the methods that can be used to determine a color are explained.

Selecting A Color Value

- Click the ... button next to the field that you want to specify a color for.



- Select a color through one of the following means...
 - Select a Basic Color or a predefined Custom Color.
 - Drag the cross hairs graphic around the rainbow color chart to determine your color.
 - Manually enter the Red, Green, Blue (RGB) or Hue, Saturation, Luminescence values for the color.

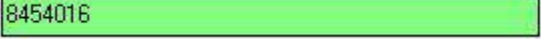
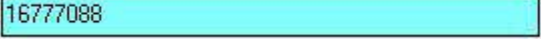
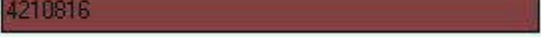


- Click the **OK** button.

Item Properties/Events	
Form	139
Item UID	4
Item Type	EDIT
Column UID	
☒ Active	
Properties Events	
Left	127
Top	5
Width	148
Height	14
Caption	
Panelevel	0
From pane	0 0
Group with	
ForeColor	
BackColor	33023
Applicable Users	
☐ Exclude Selected Items	
Item Placement Options Behavior ☒ Enable ☒ Visible Appearance ☐ Bold ☐ Italic	
Apply Apply & Close Close	

- The color selected will be returned to the property field.

Commonly Used Color Values

-  **Red (255)**
-  **Pink (12615935)**
-  **Orange (33023)**
-  **Yellow (65535)**
-  **Lt. Green (8454016)**
-  **Green (65280)**
-  **Lt. Blue (16777088)**
-  **Blue (16744448)**
-  **Purple (8388736)**
-  **White (16777215)**
-  **Gray (12632256)**
-  **Brown (4210816)**

Exporting/Importing APP Objects and Properties

APP Customizer includes the ability to export and import a number of objects, including...

- Item Properties and Events
- Charts
- Dashboards



After importing **any** objects into APP, the application **must** be stopped and restarted for the imported modifications to take effect.

How To Export Item Properties and Events

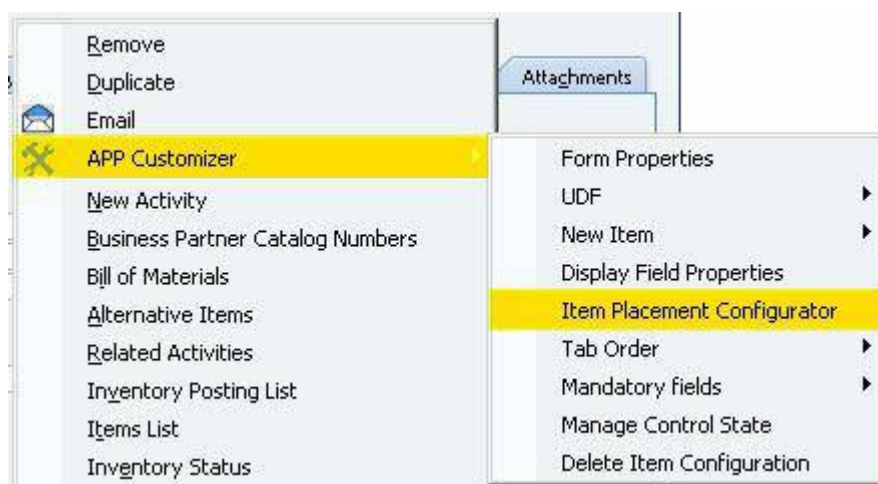


This example is for the **Item Master Data** screen.

- Click the SAP menu option titled **Item Master Data** under the **Inventory** menu to load the **Inventory Master Data** screen. Load the information for an **Item** into the screen.



For this example, the **Unit Price** field and label have been given a customized position on the screen.



- Select the **Item Placement Configurator** option from the **APP Customizer** menu group option from the right-click menu on the form to load the **Item Configurator** screen.

UserList	Item UID	Item Type	Caption/Field	Column UID			
	34	Text Box	SYS_68		Edit	Remove	Clone
	52	Label	Unit Price		Edit	Remove	Clone

Copy To Define New Export Close

- There are two entries on the **Item Configurator** screen, one for the **Unit Price** entry field and one for the accompanying label. Select the configuration items that you want to export.



At least one item configuration **must** be selected in order to utilize the export function.

UserList	Item UID	Item Type	Caption/Field	Column UID			
	34	Text Box	SYS_68		Edit	Remove	Clone
	52	Label	Unit Price		Edit	Remove	Clone

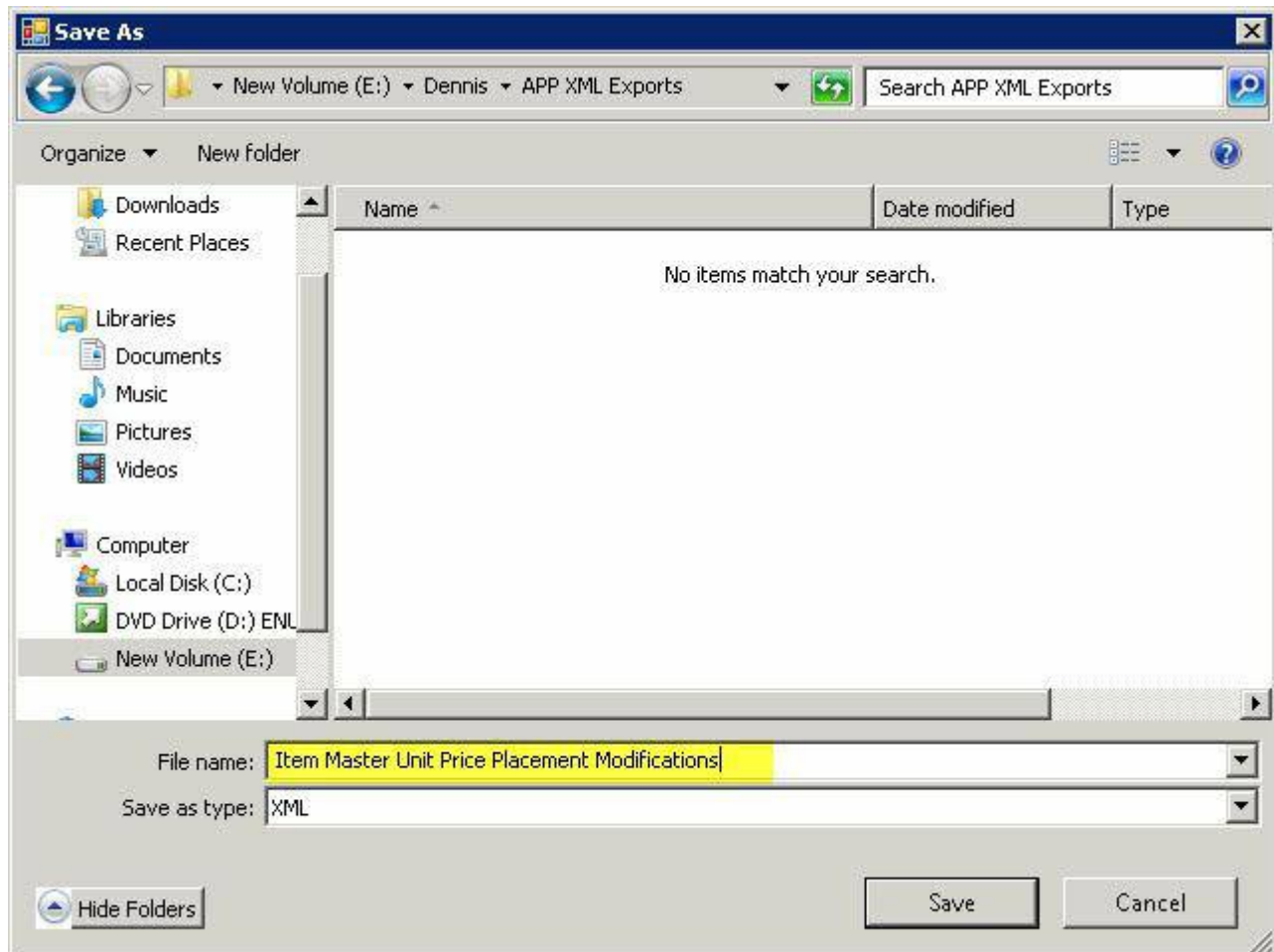
Copy To Define New Export Close

- Click the down arrowhead on the **Export** button at the bottom of the screen and select the appropriate option.

Copy To Define New Export

- Property
- Property with Events

- A window will open to allow you to specify the directory and file name under which the exported XML file will be saved.



- Enter a file name.
- Click the **Save** button.
- Navigating and opening the exported XML file shows the data that has been exported and can be imported into either the same SAP database or any other SAP database utilizing APP Customizer.

```

<?xml version="1.0" standalone="true"?>
- <APPObjects xmlns="http://tempuri.org/APPObjects.xsd">
  - <Property>
    <Code>56</Code>
    <FormType>150</FormType>
    <FormTitle>Item Master Data</FormTitle>
    <ItemUID>34</ItemUID>
    <ItemType>it_EDIT</ItemType>
    <ColUID/>
    <Left>150.000000</Left>
    <Top>98.000000</Top>
    <RefUID>24</RefUID>
    <RefDir>B</RefDir>
    <AddLeft>0.000000</AddLeft>
    <AddTop>15.000000</AddTop>
    <Width>-1.000000</Width>
    <Height>-1.000000</Height>
    <ClientWidth>-1.000000</ClientWidth>
    <ClientHeight>-1.000000</ClientHeight>
    <Visible>T</Visible>
    <Active>T</Active>
    <Enabled>T</Enabled>
    <Caption/>
    <Panelevel>0.000000</Panelevel>
    <FromPane>0.000000</FromPane>
    <ToPane>0.000000</ToPane>
    <OutList>F</OutList>
    <UserList/>
    <ListType xml:space="preserve"> </ListType>
    <VIS_FormModes>FOUAVPE</VIS_FormModes>
    <LinkTo>24</LinkTo>
    <LinkToCode/>

```

How To Import Item Properties and Events



This example is for the **Item Master Data** screen.

- Click the SAP menu option titled **Item Master Data** under the **Inventory** menu to load the **Inventory Master Data** screen.



For this example, I am reusing the same SAP database. The **Unit Price** field and label customization has been removed following the export of the data to the XML file.

Item Master Data

Item No. Bar Code

Description

Foreign Name

Item Type

Item Group

Price List Unit Price

☒ Inventory Item
☒ Sales Item
☒ Purchase Item
☐ Fixed Assets

General | Purchasing Data | Sales Data | Inventory Data | Planning Data | Properties | Remarks | Attachments

☒ Tax Liable

Production Data
☐ Phantom Item
 Issue Method

Manufacturer

Additional Identifier

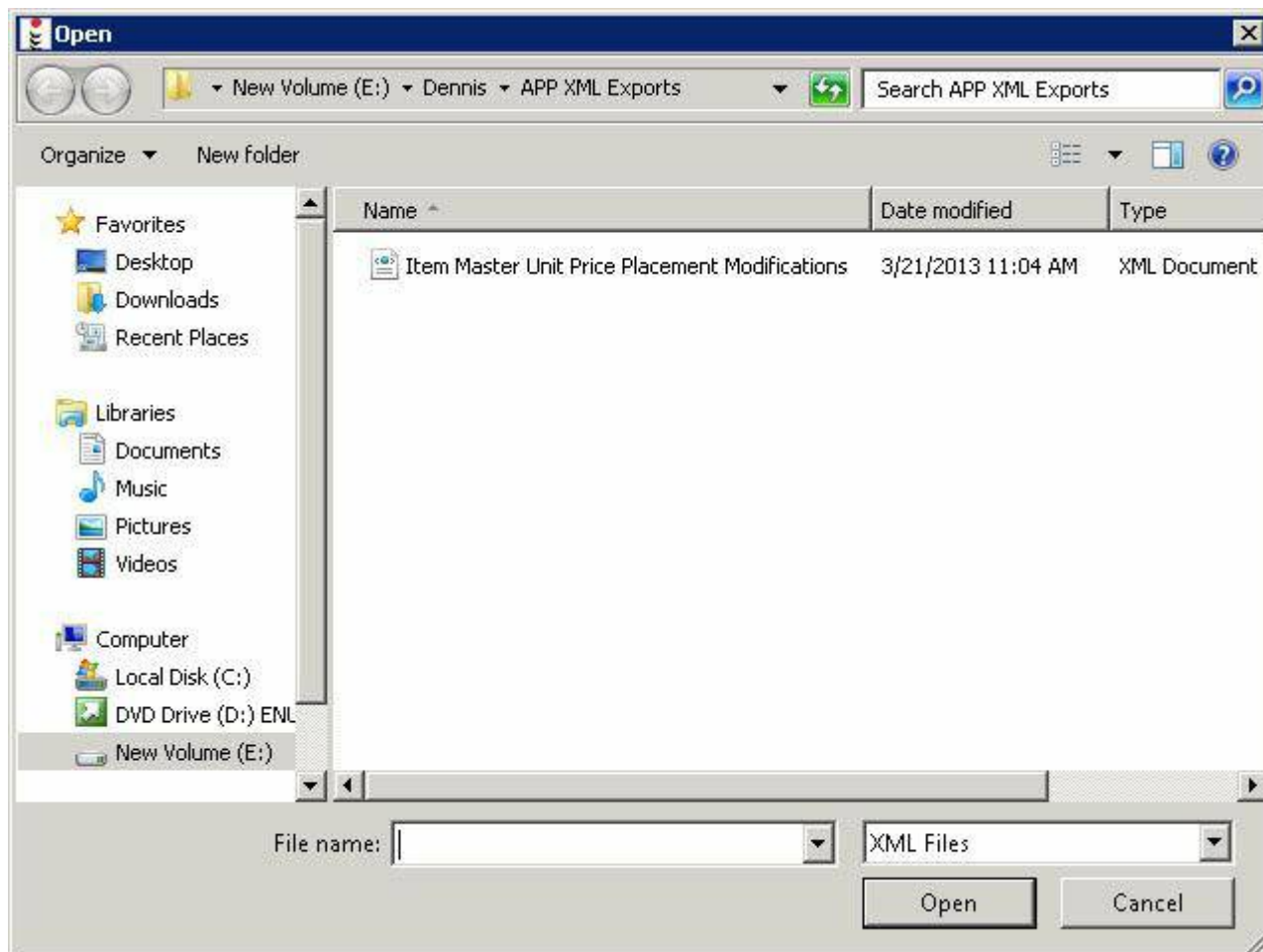
Shipping Type

Serial and Batch Numbers
 Manage Item by

☒ Active From To Remarks
☐ Inactive
☐ Advanced

OK Cancel

- Click the **Import XML** menu option under the **Administration** ➡ **Setup** ➡ **APP Configuration** menu groups.
- A window will open to allow you to specify the directory and file name for the XML file to be imported.



- Double click the file name or select the file and click the **Open** button. The XML file will be imported into APP Customizer.



- Stop and restart the APP application.



After importing **any** objects into APP, the application **must** be stopped and restarted for the imported modifications to take effect.

- Click the SAP menu option titled **Item Master Data** under the **Inventory** menu to load the **Item Master Data** screen.

The screenshot shows the 'Item Master Data' form with the following fields and tabs:

- Item No.**: Dropdown menu
- Bar Code**: Text field
- Description**: Text field
- Foreign Name**: Text field
- Item Type**: Dropdown menu
- Item Group**: Dropdown menu
- Price List**: Text field
- Base Price**: Text field
- Unit Price**: Text field (highlighted in yellow)
- Inventory Item**: Radio button
- Sales Item**: Radio button
- Purchase Item**: Radio button
- Fixed Assets**: Radio button
- Tabs**: General, Purchasing Data, Sales Data, Inventory Data, Planning Data, Properties, Remarks, Attachments
- Production Data**:
 - ☒ **Tax Liab**
 - ☐ **Phantom Item**
 - Issue Method**: Dropdown menu (set to Backflush)
- Manufacturer**: Text field
- Additional Identifier**: Text field
- Shipping Type**: Text field
- Serial and Batch Numbers**:
 - Manage Item by**: Dropdown menu (set to None)
- Active**: Radio button
- Inactive**: Radio button
- Advanced**: Radio button
- Buttons**: Find, Cancel

- The **Item Master Data** screen now reflects the customization to the **Unit Price** entry field and accompanying label imported from the XML file.

How To Export Charts

- Click the **Report Definition** menu option under the **Administration** ➔ **Setup** ➔ **APP Configuration** menu groups.
- Click on the object with the associated Chart that you want to export.

APP - Report Maintenance

Category	Type	ID	ReportName	Enabled	Company
	Query	167	Query - Order	False	TestDBNov12
	Query	168	Query - Order	False	TestDBNov12
	Query	169	Query - Order	False	TestDBNov12
	Query	170	Query - Order	False	TestDBNov12
	Query	171	Query - Order	False	TestDBNov12
	Query	172	Query - Order	False	TestDBNov12
	Query	173	Query - Order	False	TestDBNov12
	Query	174	Query - Order	False	TestDBNov12
	Query	175	Query - Order	False	TestDBNov12
	Query	176	Query - Order	True	SBODEMO-Anc
	Query	244	Query Param Test	True	SBODEMO-Anc
	Query	245	איל תצוג ב RCM	True	SBODEMO-Anc
	Query	283	טקסט בעברית	True	SBODemoUS
▶ Service					

General Delivery preferences Printing preferences

☐ EMAIL ONLY
 ☐ REPORT
 ☐ REPORT GROUP
 ☒ QUERY

Report ID: 244
 Name: Query Param Test
 Category: Sales Queries
 Select Database: OEC Computers
 Description:

☒ Enabled
☐ Do not display on RCM
☒ B1Query
☐ APP Query
☐ Load Associated Charts

Query: OINV
 Link To: A/R Invoice
 Refresh time: 0 seconds
☐ Create Activity on Delivery
☐ Create Activity on Print

Update Clone Delete Cancel Close Refresh APP Menu

- Click the **Manage Charts** button . The **Chart Definition** screen is displayed.

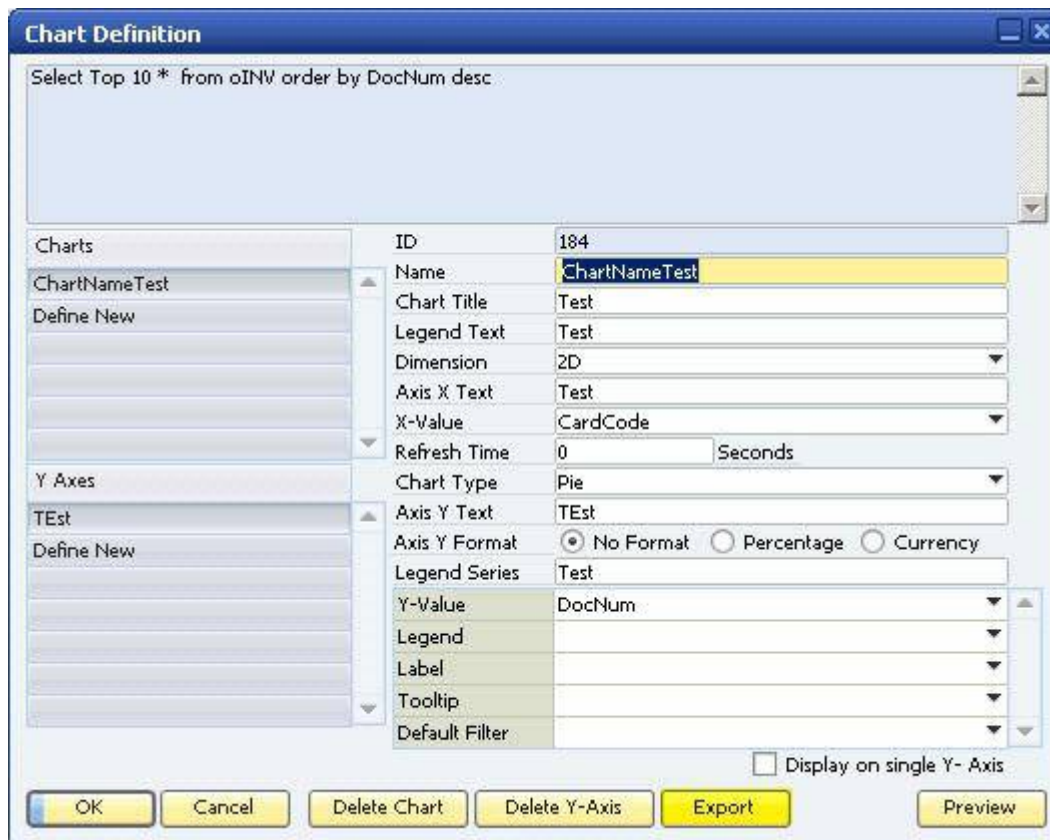
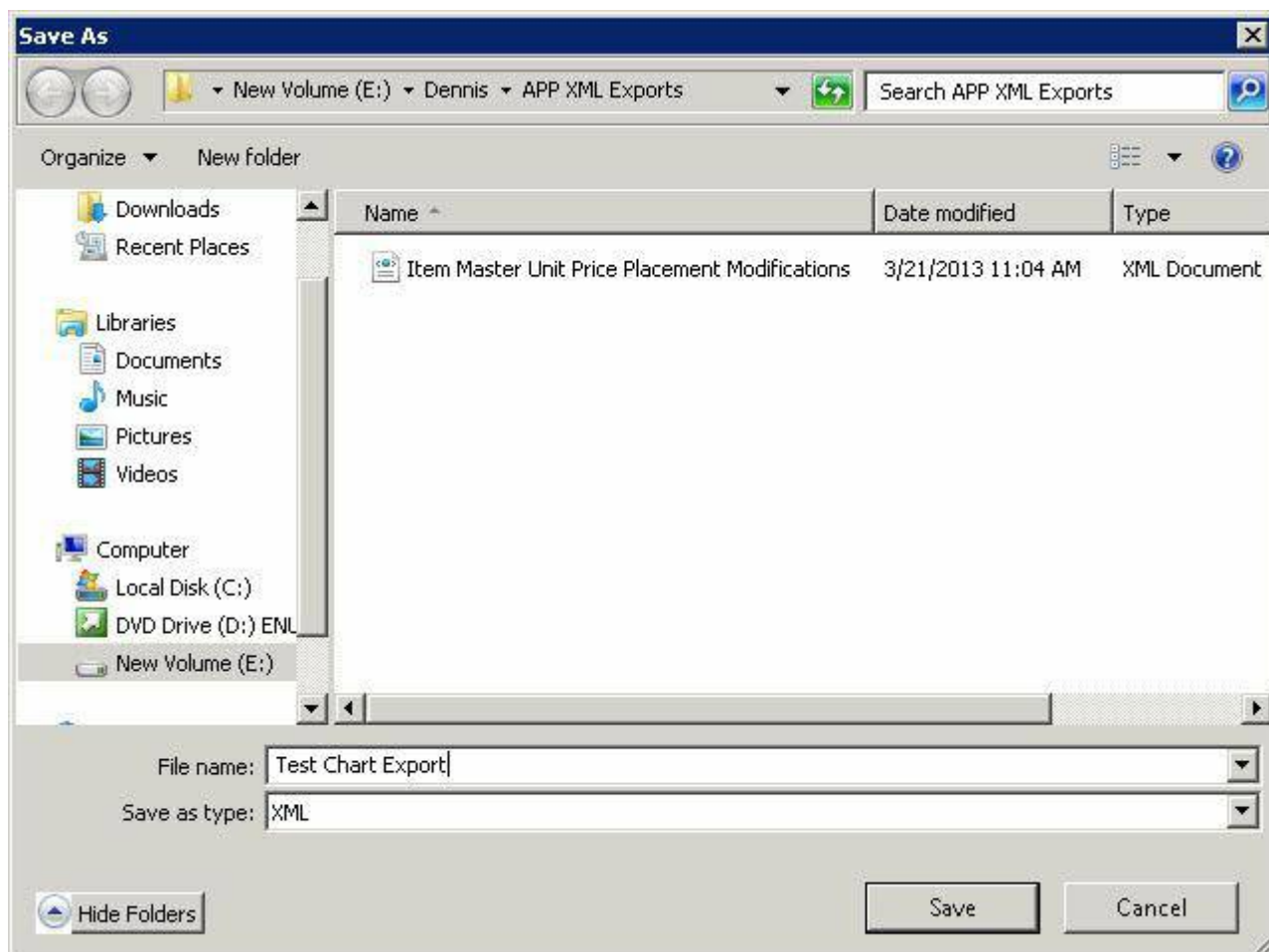


Chart Definition dialog box showing configuration for a chart. The SQL query is "Select Top 10 * from oINV order by DocNum desc". The chart is named "ChartNameTest" with ID 184. The chart type is "Pie". The X-axis is labeled "CardCode" and the Y-axis is labeled "DocNum". The chart is displayed on a single Y-axis.

Property	Value
ID	184
Name	ChartNameTest
Chart Title	Test
Legend Text	Test
Dimension	2D
Axis X Text	Test
X-Value	CardCode
Refresh Time	0 Seconds
Chart Type	Pie
Axis Y Text	Test
Axis Y Format	No Format (selected), Percentage, Currency
Legend Series	Test
Y-Value	DocNum
Legend	
Label	
Tooltip	
Default Filter	

Buttons: OK, Cancel, Delete Chart, Delete Y-Axis, Export, Preview

- Click the **Export** button.
- A window will open to allow you to specify the directory and file name under which the exported XML file will be saved.



Save As dialog box showing the file name "Test Chart Export" and the save as type "XML". The file is being saved to the "APP XML Exports" folder on the "New Volume (E:)" drive.

File name: Test Chart Export

Save as type: XML

Buttons: Hide Folders, Save, Cancel

- Enter a file name.
- Click the **Save** button.
- Navigating and opening the exported XML file shows the data that has been exported and can be imported into either the same SAP database or any other SAP database utilizing APP Customizer.

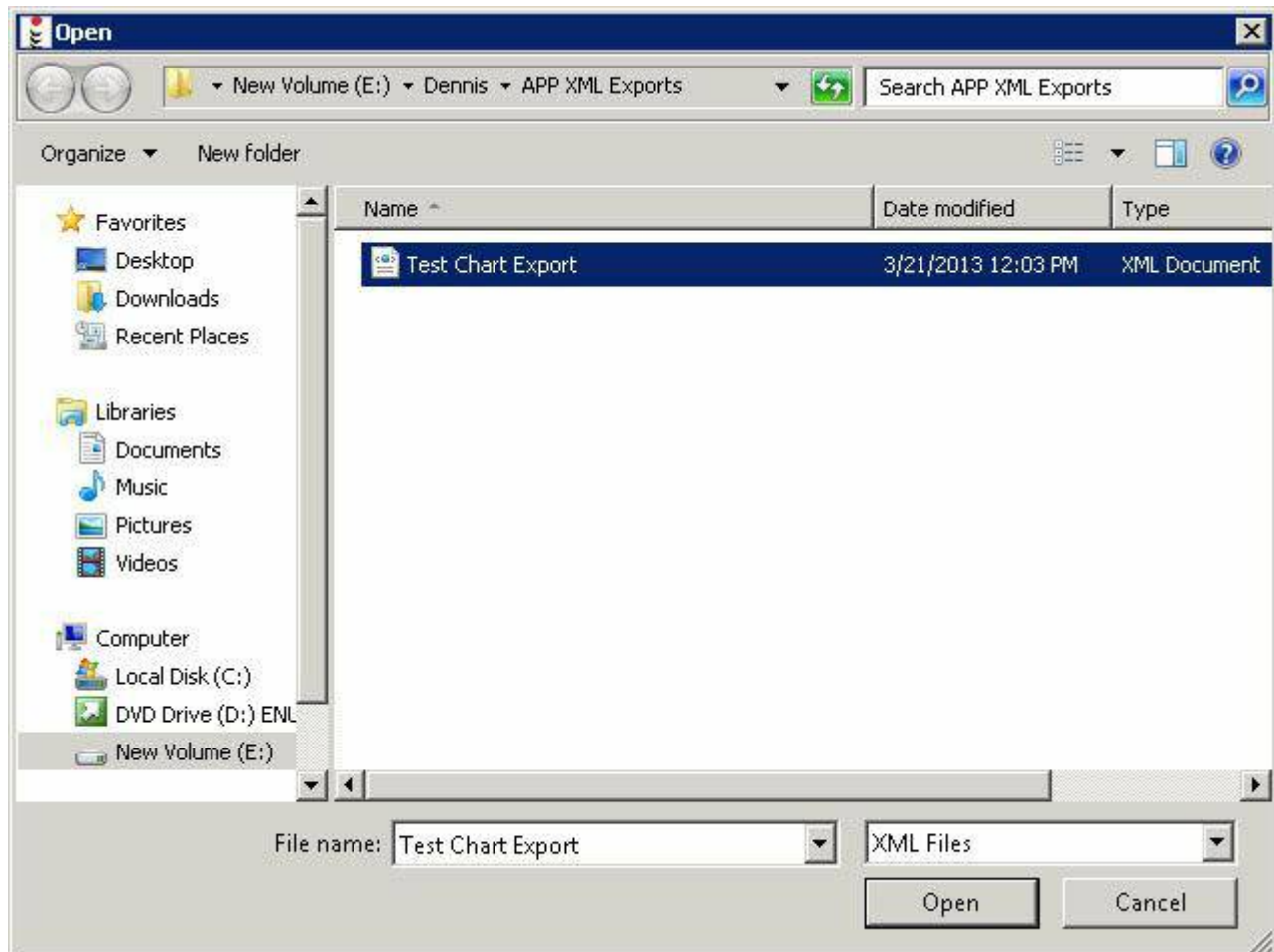


The Query for the Chart is also included in the exported XML file information.

```
<IsDeliverOnPrint>False</IsDeliverOnPrint>
<Collated>False</Collated>
<Type>2</Type>
<IsConsolidatedMail>False</IsConsolidatedMail>
<OldQueryDetails>340.-1</OldQueryDetails>
<QCatName>General</QCatName>
<QName>OINV</QName>
<QString>Select Top 10 * from oINV order by DocNum desc</QString>
<ReportGroups/>
<AutoPrintOnApprove>False</AutoPrintOnApprove>
<AutoDeliverOnAdd>False</AutoDeliverOnAdd>
<IsActivityIntegratedPrint>False</IsActivityIntegratedPrint>
<MenuParentID/>
<MenuPosition>0</MenuPosition>
<MenuPositionID/>
<SetAsRCM>True</SetAsRCM>
<UseAppQueryEditor>False</UseAppQueryEditor>
<LoadAssociatedCharts>False</LoadAssociatedCharts>
<RefreshInterval>0</RefreshInterval>
</ReportDefs>
- <ChartDetails>
  <ID>184</ID>
  <DsbXCol>CardCode</DsbXCol>
  <DsbXText>Test</DsbXText>
  <ChartTitle>Test</ChartTitle>
  <LegendHeaderText>Test</LegendHeaderText>
  <ChartDim>1</ChartDim>
  <OldQueryDetails>340.-1</OldQueryDetails>
  <B1QCatName>General</B1QCatName>
  <B1QName>OINV</B1QName>
  <B1QString>Select Top 10 * from oINV order by DocNum desc</B1QString>
  <B1QDb>SBODEMO-Anoop</B1QDb>
  <RefreshInterval>0</RefreshInterval>
  <UseDefaultYScale>False</UseDefaultYScale>
```

How To Import Charts

- Click the SAP menu option titled **Import XML** under the **Administration** ➡ **Setup** ➡ **APP Configuration** menu groups.
- A window will open to allow you to specify the directory and file name for the XML file to be imported.



- Double click the file name or select the file and click the **Open** button.
- The XML file will be imported into APP Customizer



- Stop and restart the APP application.



After importing **any** objects into APP, the application **must** be stopped and restarted for the imported modifications to take effect.

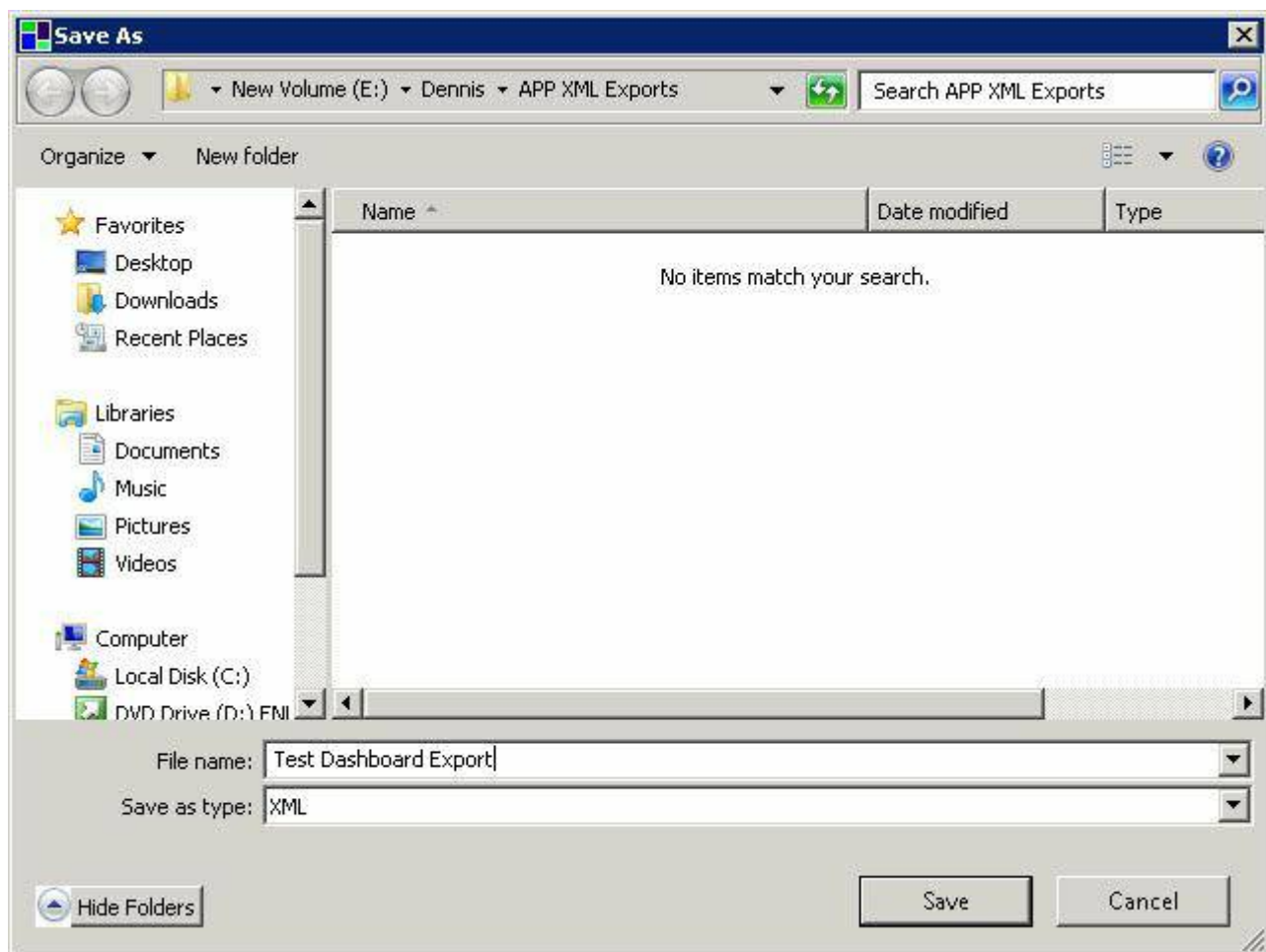
How To Export Dashboards

- Click the SAP menu option titled **Dashboard Setup** under the **Administration** ➞ **Setup** ➞ **APP Configuration** menu groups to load the **Dashboards** setup screen.

- Load the Dashboard that you want to export.



- Click the **Export** button.
- A window will open to allow you to specify the directory and file name under which the exported XML file will be saved.



- Enter a file name.
- Click the **Save** button.

- Navigating and opening the exported XML file shows the data that has been exported and can be imported into either the same SAP database or any other SAP database utilizing APP Customizer.

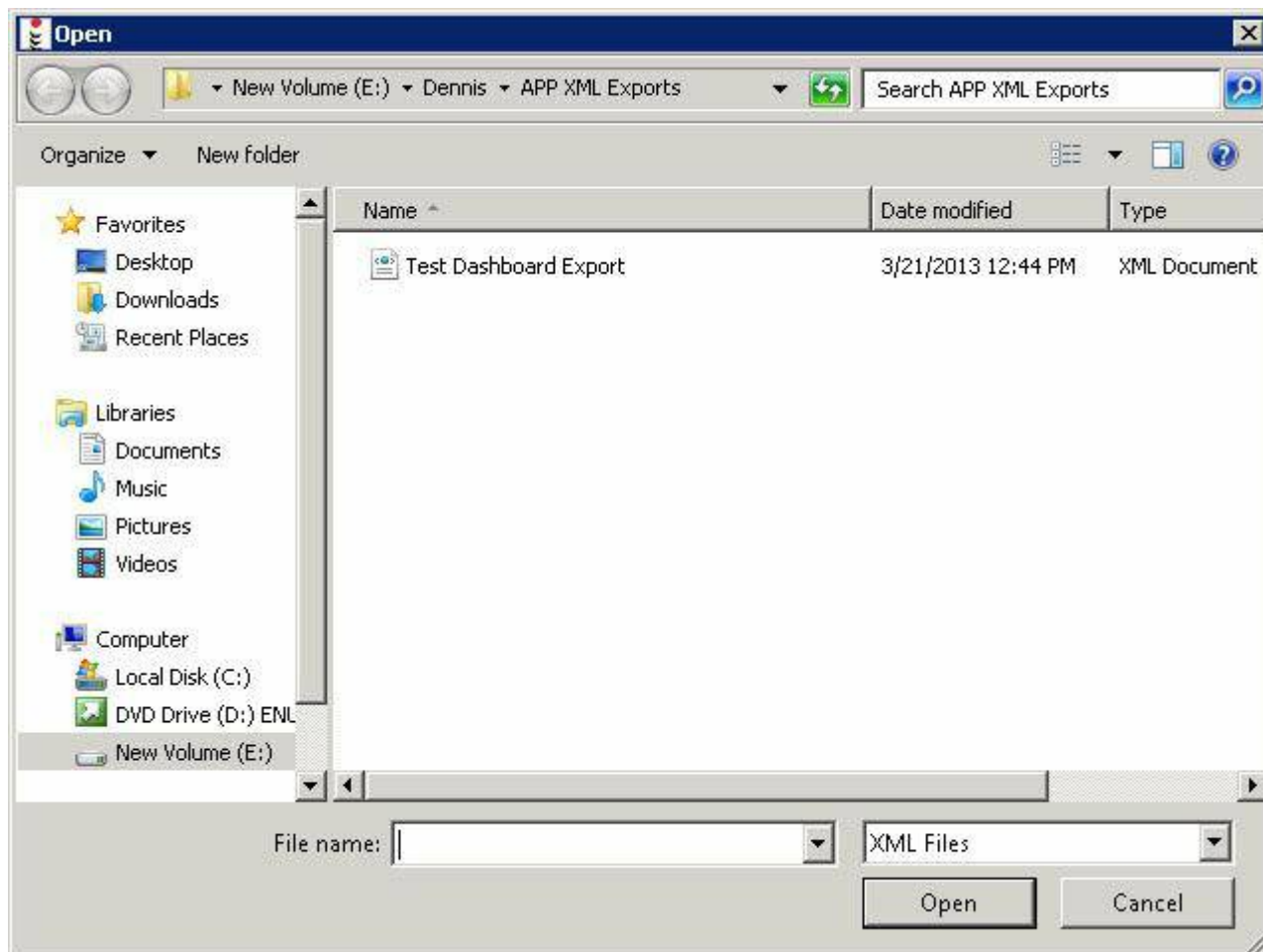


The Query for the Dashboard panes are also included in the exported XML file information.

```
<?xml version="1.0" standalone="true"?>
<APPObjects xmlns="http://tempuri.org/APPObjects.xsd">
  - <ObjectType>
    <ObjType>11</ObjType>
    <ObjVersion>88.1.3.200</ObjVersion>
  </ObjectType>
  - <DashboardDetails>
    <DashboardID>41</DashboardID>
    <ChartLeft>4</ChartLeft>
    <ChartTop>-1</ChartTop>
    <ChartHeight>356</ChartHeight>
    <ChartWidth>1271</ChartWidth>
    <ChartID>184</ChartID>
    <Position>1</Position>
    <FrameType>1</FrameType>
    <UniqueID>Frame1</UniqueID>
    <FrameMode>0</FrameMode>
    <LinkTo>None</LinkTo>
    <DefaultFilter/>
    <ConditionFilter/>
    <LoadBehavior>0</LoadBehavior>
    <QryDefinitionID>244</QryDefinitionID>
  </DashboardDetails>
  - <DashboardDetails>
    <DashboardID>41</DashboardID>
    <ChartLeft>4</ChartLeft>
    <ChartTop>355</ChartTop>
    <ChartHeight>356</ChartHeight>
    <ChartWidth>1271</ChartWidth>
    <ChartID>157</ChartID>
    <Position>2</Position>
    <FrameType>1</FrameType>
    <UniqueID>Frame3</UniqueID>
    <FrameMode>0</FrameMode>
```

How To Import Dashboards

- Click the SAP menu option titled **Import XML** under the **Administration** ➡ **Setup** ➡ **APP Configuration** menu groups.
- A window will open to allow you to specify the directory and file name for the XML file to be imported.



- Double click the file name or select the file and click the **Open** button. The XML file will be imported into APP Customizer



- Stop and restart the APP application.



After importing **any** objects into APP, the application **must** be stopped and restarted for the imported modifications to take effect.

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