Custom printing

Custom Layout Printing

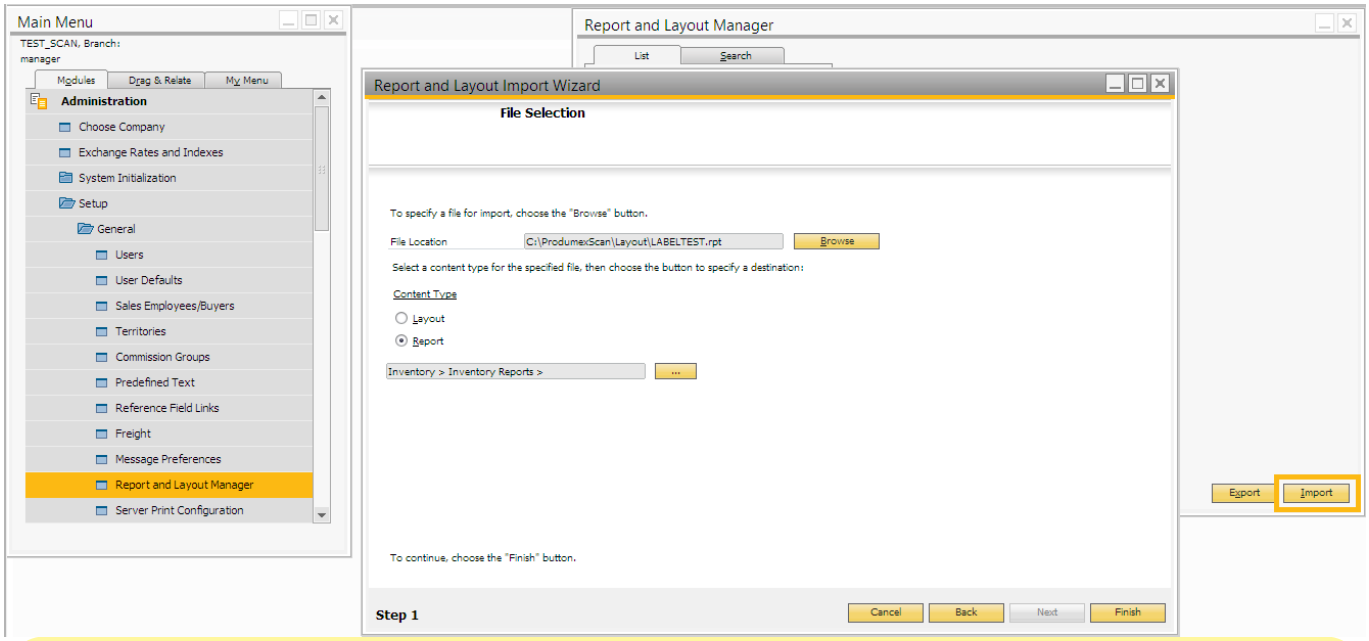
Report printing can be customized in Produmex Scan by using the customization technology described in: Customization Technology for Produmex Scan. A report can be printed with user queries in the following cases:

- The report is defined in SAP Business One, or
- The report is located in a folder Produmex Service Broker can access.

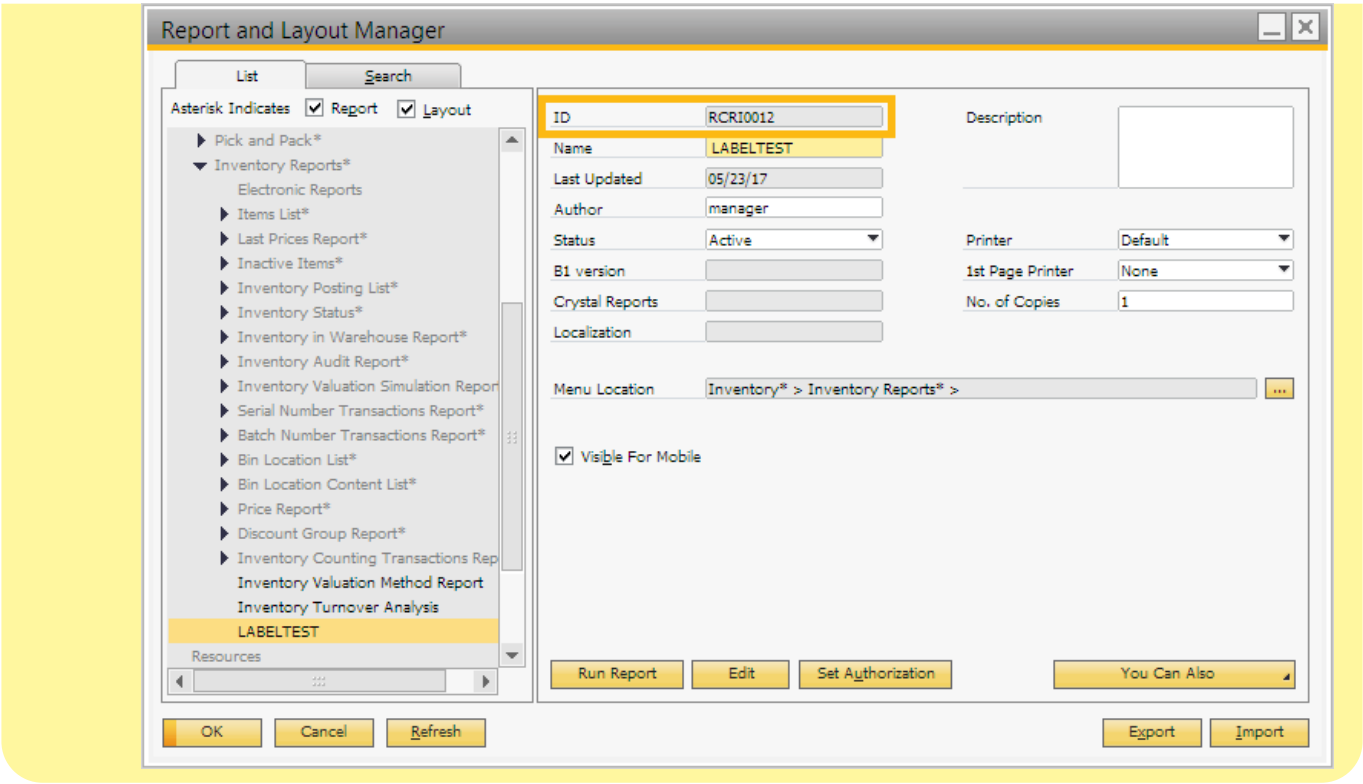
Import the report

Use the HanaReportSettingTool to configure the correct connection of the report file in HANA environment. You can read more about the tool in the UserGuide

Import the report in SAP Business One with the *Report and Layout Import Wizard*. Select *'Inventory > Inventory Reports'* as the location.



To see the details of the report, open the Report and Layout Manager and select the report from the Inventory Reports. The report ID will identify the report in the user queries.

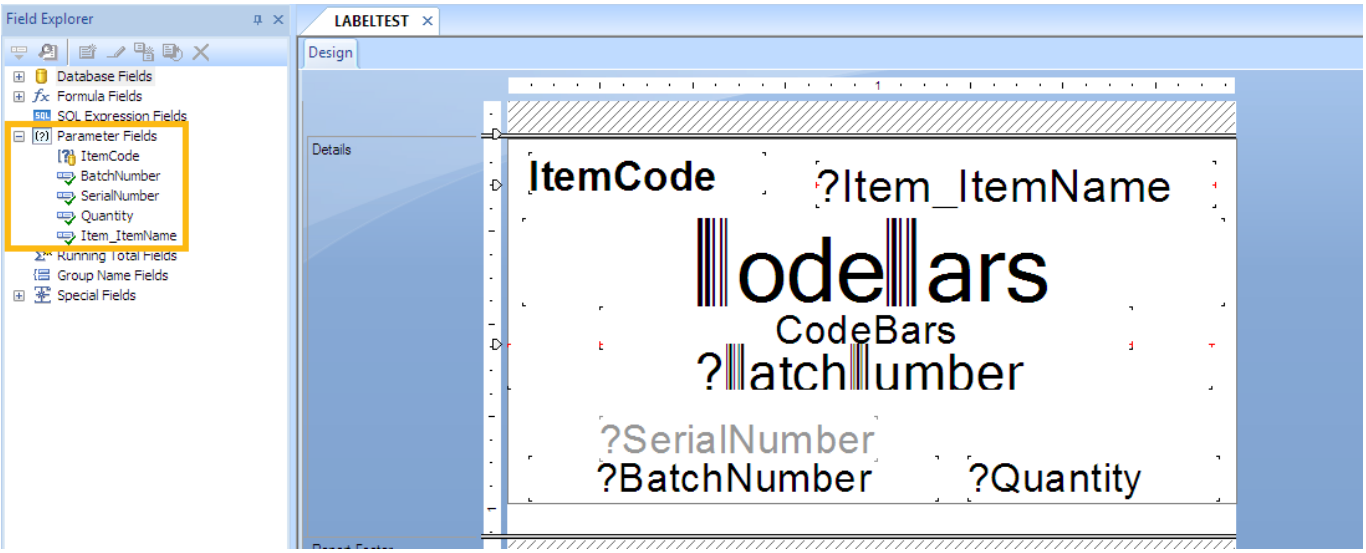


Examples

Example 1: *Add customization on the Done button event for the Create GR PO screen*

Create the user Query in the Query Manager. The name of the user query must be the name of the Produmex Scan event.

Include the report ID and the report parameters in the user query.



Query name: *BXMobileWH9_CreateGoodsReceiptPOQuantitiesNormalScreen_OK_clicked*

Example query:

SQL

```
SELECT
   'RCRI0012'  "PrintLayout$",
   SUBSTRING ($[TextItem], 1 , CHARINDEX ('*', $[TextItem]) - 2 )
"Print_ItemCode",
   SUBSTRING ($[TextItem], CHARINDEX ('*', $[TextItem]) + 2, LEN
($[TextItem])- CHARINDEX ('*', $[TextItem]))   "Print_Item_ItemName",
   '' "Print_SerialNumber",
   '' "Print_BatchNumber",
   $[DataRepeater.SelectedUIOnHandQuantity] "Print_Quantity",
   'PDFCreator' "PrintPrinter$",
   'Document PRINTING'  "Message$", 'I' "MessageType$"
```

HANA

```
SELECT
   'RCRI0012'  "PrintLayout$",
   SUBSTRING ($[TextItem] , 1 , LOCATE ($[TextItem], '*') - 2 )
"Print_ItemCode",
   SUBSTRING ($[TextItem], LOCATE ($[TextItem], '*') + 2, LENGTH
($[TextItem])- LOCATE ($[TextItem], '*') ) "Print_Item_ItemName",
   '' "Print_SerialNumber",
   '' "Print_BatchNumber",
   $[DataRepeater.SelectedUIOnHandQuantity] "Print_Quantity",
   'PDFCreator' "PrintPrinter$",
   'Document PRINTING'  "Message$", 'I' "MessageType$"
   FROM DUMMY
```

The user query does the following:
Sets the parameters of the selected report to the values entered on the screen and sends it to the defined printer. Then displays the ‘Document printing’ message.

Report parameters in the example:

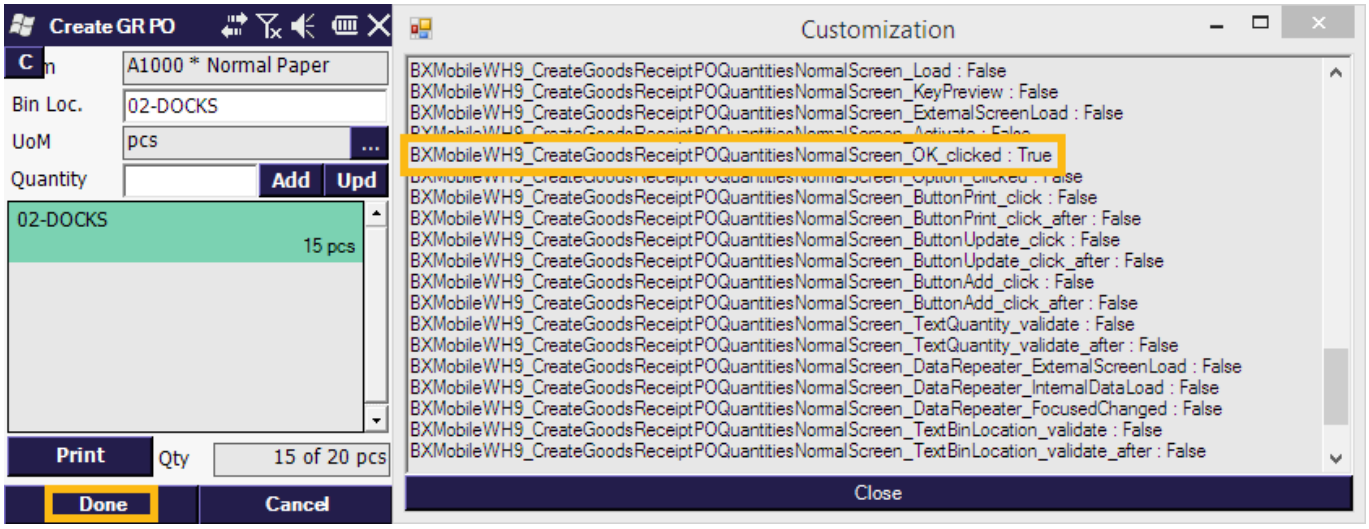
- Item code and name
- On hand quantity
- Batch number
- Serial number

Adjust the example query.

- Replace the *PrintLayout$* value with the Report ID (in the example the report ID is RCRI0012).
- Replace the *PrintPrinter$* value with your printer name (in the example the printer name is PDFCreator).

> The label will be printed with the printer set in the user query regardless of the default printer of the employee.

By default only one label is printed. Adjust the value of the labels with the *PrintCopies$* parameter. The label is printed after the 'Done' button is pressed on the Create GR PO Quantities screen.



Example 2: *Print label for the delivery selected on the Delivery field after the report ID is added on the Packing screen*

Add a new custom *'Label'* field. Insert the following record to the Customization Fields user table:

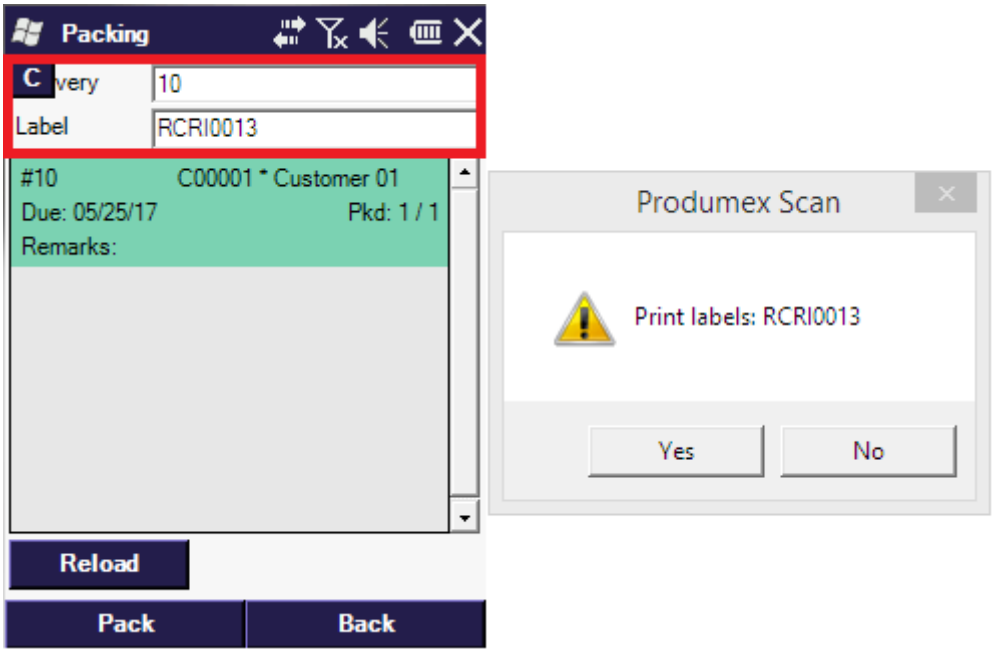
Field Name	Labels	Screen
RPTCode	Label	PackingScreen

Create two new user queries in the Query Manager.

The first query will trigger the printing if the Label field is not empty. Link this user query to the RPTCode field validation event.
After the report ID is added to the field, a confirmation message will pop up. Press the Yes button to print the label.

Query name: *BXMobileWH9_PackingScreen_RPTCode_validate*

```
IF $[RPTCode]<>'' AND $[TextDeliveryDocNum]<>''
SELECT
    'Print labels: ' + $[RPTCode] AS 'Message$',
    'YM' AS 'MessageType$'
```



The second query will define the printer and the report parameter values.
Link this user query to the *validation_after* event of the custom Label field. The query will run if the user presses the 'Yes' button on the confirmation message screen.

Query name: *BXMobileWH9_PackingScreen_RPTCode_validate_after*

```
IF $[RPTCode]<>'' AND $[TextDeliveryDocNum]<>''
SELECT $[RPTCode] AS PrintLayout$,
(SELECT DocEntry FROM ODLN WHERE DocNum=$[TextDeliveryDocNum]) AS
[Print_DocKey@],
'PDFCreator' AS PrintPrinter$,
'Report print: '+ $[RPTCode] AS 'Message$', 'I' AS 'MessageType$'
```

Replace the *PrintPrinter$* value with your printer name (in the example the printer name is PDFCreator).

Advanced printing configurations for Produmex Scan

With the advanced printing configurations printing issues caused by incorrect server/database connection settings in Crystal Reports can be solved.

To add the advanced printing configurations, run the following query on the database:
SQL

```
INSERT INTO "VALI002"."@BXPCONFIG" ("Code", "Name", "U_BXPDescr",
"U_BXPValue", "U_BXPVType", "U_BXPRowVr")
VALUES('BXMPRAO', 'BXMPRAO', 'Crystal Reports connection parameters', '54',
1, NULL)
```

A new record will be inserted to the BXPCONFIG table. With this record the following parameters can be set:

- PRINTERADVANCEDOPTIONS_SETTABLELOGON = 1;
- PRINTERADVANCEDOPTIONS_SETTABLECONNECTION = 2;
- PRINTERADVANCEDOPTIONS_SETSUBREPORTS = 4;
- PRINTERADVANCEDOPTIONS_DISSOCIATESIZE = 8;
- PRINTERADVANCEDOPTIONS_USEPRINTERSETTINGS = 16;
- PRINTERADVANCEDOPTIONS_USECONNECTIONCLONE = 32;
- PRINTERADVANCEDOPTIONS_USESETTINGWITHNAME = 64;

The value of **BXMPRAO** is the sum of the value of the enabled parameters.

The default and recommended value is 54. It means that the Settable connection (2), the Set sub reports (4), the Use printer settings (16) and the Use connection clone (32) parameters are enabled (2+4+16+32=54) by default.

Do not change the default value. If the issue persists, please contact Produmex support.

Enabled settings:

- *Settable connection* (2): Creates a new connection structure with the actual parameters.
- *Set sub reports* (4): Applies the (1) and (2) setting to the sub reports as well.
- *Use printer settings* (16): Uses a non-standard access to printer settings.
- *Use connection clone* (32): Uses a clone of the connection structure.

Other settings that can be enabled:

- *Settable log on* (1): Resets the server/database connection to the actual in the tables of the existing structure. This setting is not taken into account if the Settable connection (2) setting is also enabled.
- *Dissociate size* (8): Enables the ‘Dissociate Formatting Page Size and Printer Paper Size’ option.
- *Use setting with name* (64): Uses both the standard and non-standard access to the printer settings.

Known cases:
* The error message 'Not supported within subreports'

Set the value to 1

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