

Extensibility for Billing Document Printout

S/4 HANA Cloud



THE BEST RUN



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1 Provide Purchase Order by Customer in Billing Document Output

1.1 Aim

Show Purchase Order by Customer on Form Template Item of Billing Document.

1.2 Steps to do

1.2.1 Creation of an extension field at Billing Document

Use app *Custom Fields and Logic*, tab *Custom Fields*, in the Extensibility business catalog. Create a new extension field in *Business Context Sales: Billing Document* with an appropriate Type.

The screenshot shows a 'New Field' configuration window. The title is 'New Field'. Below the title is a section 'Field Properties'. The properties are as follows:

- *Business Context: Sales: Billing Document (dropdown menu)
- *Label: purchase_order_by_customer (text input)
- *Identifier: YY1_ purchase_order (text input)
- *Tooltip: purchase_order_by_customer (text input)
- *Type: Text (dropdown menu)
- *Length: 35 (text input)

At the bottom left, there is a progress bar for 'Business Context Capacity' showing 7%.

At the bottom right, there are three buttons: 'Create', 'Create and Edit', and 'Cancel'.

This extension field is intended to store the Purchase Order by Customer with the Billing Document.

Remark: The extension field will only be filled when triggering the output request.

1.2.2 Extend the Form Template with the Extension Field

Within the same App *Custom Fields and Logic* and tab *Custom Field* enable the Form Templates for the Billing Document with the extension field.

purchase_order_by_customer

Text (35)
YY1_purchase_order
Sales: Billing Document

General Information Uls and Reports (8) Email Templates (4) **Form Templates (54)** Business Scenarios (6) OData APIs (2) SOAP APIs (2) BAPIs (0) IDocs (0)

Form Templates

Description	Field Usage
Credit Memo Form	Enabled <input type="button" value="Disable Usage"/>
Credit Memo Form (Austria)	Enabled <input type="button" value="Disable Usage"/>
Credit Memo Form (Belgium)	Enabled <input type="button" value="Disable Usage"/>
Credit Memo Form (France)	Enabled <input type="button" value="Disable Usage"/>
Credit Memo Form (Hungary)	Enabled <input type="button" value="Disable Usage"/>
Credit Memo Form (Indonesia)	Enabled <input type="button" value="Disable Usage"/>
Credit Memo Form (Ireland)	Enabled <input type="button" value="Disable Usage"/>
Credit Memo Form (Italy)	Enabled <input type="button" value="Disable Usage"/>
Credit Memo Form (Luxembourg)	Enabled <input type="button" value="Disable Usage"/>

Save and publish the extension field.

1.2.3 Creation of an extension logic

Use app *Custom Fields and Logic*, tab *Custom Logic*, in the Extensibility business catalog. Create a new Enhancement Implementation in *Business Context Sales: Billing Document* with *BAdI Description Billing Professional Services Output Header Adaption* and an appropriate Implementation Description. In case the Enhancement Implementation already exist, this step can be skipped.

New Enhancement Implementation

Business Context:

*BAdI Description:

*Implementation Description:

*Implementation ID:

Create Cancel

Add the following example code to the Draft:

* This method can be used to set values for output to billing document header extension fields.

```
billingdoc_extension_out = billingdoc_extension_in.  
billingdocdescr_extension_out = billingdocdescr_extension_in.
```

```
*get SO number from first Item  
select single salesdocument  
  from i_billingdocumentitem  
  into @data(lv_salesdocument)  
  where billingdocument = @billingdoc-billingdocument.
```

```
*get Purchase Order By Customer  
select single purchaseorderbycustomer  
  from i_salesdocument  
  into @billingdoc_extension_out-yy1_purchase_order_bdh  
  where salesdocument = @lv_salesdocument.
```

Save and publish the extension Logic.

Published Logic

```
1 * This method can be used to set values for output to billing document header extension fields.  
2  
3 billingdoc_extension_out = billingdoc_extension_in.  
4 billingdocdescr_extension_out = billingdocdescr_extension_in.  
5  
6 *get SO number from first Item  
7 select single salesdocument  
8   from i_billingdocumentitem  
9   into @data(lv_salesdocument)  
10  where billingdocument = @billingdoc-billingdocument.  
11  
12 *get Purchase Order By Customer  
13 select single purchaseorderbycustomer  
14   from i_salesdocument  
15   into @billingdoc_extension_out-yy1_purchase_order_bdh  
16   where salesdocument = @lv_salesdocument.  
17
```

Remark: To see the new created extension field in the Billing Document Printout, it is necessary to create a new Form Template.