

Extensibility for Billing Document Printout

S/4 HANA Cloud



THE BEST RUN



Table of Contents

1	<i>Provide Sales Office Name in Billing Document Output</i>	3
1.1	Aim	3
1.2	Steps to do	3
1.2.1	Creation of an extension field at Billing Document	3
1.2.2	Extend the Form Template with the Extension Field	3
1.2.3	Creation of an extension logic	4
2	<i>Provide Sales Office Name in Billing Document Item Output</i>	6
2.1	Aim	6
2.2	Steps to do	6
2.2.1	Creation of an extension field at Billing Document	6
2.2.2	Extend the Form Template with the Extension Field	6
2.2.3	Creation of an extension logic	7

1 Provide Sales Office Name in Billing Document Output

1.1 Aim

Show Sales Office Name 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 'Field Properties' section includes the following fields:

- *Business Context: Sales: Billing Document
- *Label: SalesOfficeName
- *Identifier: YY1_ SalesOfficeName
- *Tooltip: SalesOfficeName
- *Type: Text
- *Length: 20

Business Context Capacity: 10%

Buttons: Create, Create and Edit, Cancel

This extension field is intended to store the Sales Office Name 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.

SalesOfficeName			
Text (20)			
YY1_SalesOfficeName			
Sales: Billing Document			
General Information UIs and Reports (9) Email Templates (1) Form Templates (54) Business Scenarios (6) OData APIs (2) SOAP APIs (2) BAPIs (0) IDocs (0)			
Form Templates			
Data Source	Name	Description	Field Usage
FDP_V3_BD_STANDARD_SRV 0001	SDBIL_CM_STANDARD_DE	Credit Memo Form	Enabled Disable Usage
FDP_V3_BD_STANDARD_GLO_GEN_SRV 0001	SDBIL_CM_STANDARD_AT	Credit Memo Form (Austria)	Enabled Disable Usage
FDP_V3_BD_STANDARD_GLO_GEN_SRV 0001	SDBIL_CM_STANDARD_BE	Credit Memo Form (Belgium)	Enabled Disable Usage
FDP_V3_BD_STANDARD_GLO_GEN_SRV 0001	SDBIL_CM_STANDARD_FR	Credit Memo Form (France)	Enabled Disable Usage
FDP_V3_BD_STANDARD_GLO_GEN_SRV 0001	SDBIL_CM_STANDARD_HU	Credit Memo Form (Hungary)	Enabled Disable Usage
FDP_V3_BD_STANDARD_GLO_GEN_SRV 0001	SDBIL_CM_STANDARD_ID	Credit Memo Form (Indonesia)	Enabled Disable Usage
FDP_V3_BD_STANDARD_GLO_GEN_SRV 0001	SDBIL_CM_STANDARD_IE	Credit Memo Form (Ireland)	Enabled Disable Usage
FDP_V3_BD_STANDARD_GLO_GEN_SRV 0001	SDBIL_CM_STANDARD_IT	Credit Memo Form (Italy)	Enabled Disable Usage
FDP_V3_BD_STANDARD_GLO_GEN_SRV 0001	SDBIL_CM_STANDARD_LU	Credit Memo Form (Luxembourg)	Enabled 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 Standard 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:

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.
```

```
select single vb~salesoffice, vk~SalesOfficeName  
  into @data(ls_salesoffice)  
  from I_billingdocumentitem as vb  
  inner join i_salesofficetext as vk  
  on vk~salesoffice = vb~salesoffice  
  where vb~billingdocument = @billingdoc-billingdocument.
```

```
billingdoc_extension_out-yy1_salesofficename_bdh = ls_salesoffice-  
SalesOfficeName.
```

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 * Example:  
3 *  
4 * First of all assign existing extension field values to output parameter:  
5   billingdoc_extension_out = billingdoc_extension_in.  
6   billingdocdescr_extension_out = billingdocdescr_extension_in.  
7 *  
8 * Then change further values:  
9 *   if billingdoc-SoldToParty = 'ZCUST1'.  
10 *     billingdoc_extension_out-yy1_field_bdh = 'ABC'.  
11 *   endif.  
12  
13  
14 select single vb~salesoffice, vk~SalesOfficeName  
15 into @data(ls_salesoffice)  
16 from I_billingdocumentitem as vb  
17 inner join i_salesofficetext as vk  
18 on vk~salesoffice = vb~salesoffice  
19 where vb~billingdocument = @billingdoc-billingdocument.  
20  
21  
22 billingdoc_extension_out-yy1_salesofficename_bdh = ls_salesoffice-SalesOfficeName.  
23
```

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

2 Provide Sales Office Name in Billing Document Item Output

2.1 Aim

Show Sales Office Name on Form Template Item of Billing Document Item.

2.2 Steps to do

2.2.1 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 Item* 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 Item (dropdown menu)
- *Label: SalesOfficeName (text input)
- *Identifier: YY1_SalesOfficeName (text input)
- *Tooltip: SalesOfficeName (text input)
- *Type: Text (dropdown menu)
- *Length: 20 (text input)

At the bottom left, it shows 'Business Context Capacity: 2%' with a green checkmark icon. At the bottom right, there are three buttons: 'Create', 'Create and Edit', and 'Cancel'.

This extension field is intended to store the Sales Office Name with the Billing Document Item.

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

2.2.2 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.

SalesOfficeName			
Text (20)			
YY1_SalesOfficeName			
Sales: Billing Document			
General Information UIs and Reports (9) Email Templates (1) Form Templates (54) Business Scenarios (6) OData APIs (2) SOAP APIs (2) BAPIs (0) IDocs (0)			
Form Templates			
Data Source	Name	Description	Field Usage
FDP_V3_BD_STANDARD_SRV 0001	SDBIL_CM_STANDARD_DE	Credit Memo Form	Enabled Disable Usage
FDP_V3_BD_STANDARD_GLO_GEN_SRV 0001	SDBIL_CM_STANDARD_AT	Credit Memo Form (Austria)	Enabled Disable Usage
FDP_V3_BD_STANDARD_GLO_GEN_SRV 0001	SDBIL_CM_STANDARD_BE	Credit Memo Form (Belgium)	Enabled Disable Usage
FDP_V3_BD_STANDARD_GLO_GEN_SRV 0001	SDBIL_CM_STANDARD_FR	Credit Memo Form (France)	Enabled Disable Usage
FDP_V3_BD_STANDARD_GLO_GEN_SRV 0001	SDBIL_CM_STANDARD_HU	Credit Memo Form (Hungary)	Enabled Disable Usage
FDP_V3_BD_STANDARD_GLO_GEN_SRV 0001	SDBIL_CM_STANDARD_ID	Credit Memo Form (Indonesia)	Enabled Disable Usage
FDP_V3_BD_STANDARD_GLO_GEN_SRV 0001	SDBIL_CM_STANDARD_IE	Credit Memo Form (Ireland)	Enabled Disable Usage
FDP_V3_BD_STANDARD_GLO_GEN_SRV 0001	SDBIL_CM_STANDARD_IT	Credit Memo Form (Italy)	Enabled Disable Usage
FDP_V3_BD_STANDARD_GLO_GEN_SRV 0001	SDBIL_CM_STANDARD_LU	Credit Memo Form (Luxembourg)	Enabled Disable Usage

Save and publish the extension field.

2.2.3 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 Item](#) with [BADI Description Billing Standard Output Item Adaption](#) and an appropriate Implementation Description. In case the Enhancement Implementation already exist, this step can be skipped.

New Enhancement Implementation

Business Context:

*BAId Description:

*Implementation Description:

*Implementation ID:

Add the following example code to the Draft:

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

```
billingdocitem_ext_out = billingdocitem_ext_in.  
billingdocitemdescr_ext_out = billingdocitemdescr_ext_in.
```

```
select single salesofficename  
  from I_SalesOfficeText  
  into @billingdocitem_ext_out-yy1_salesofficename1_bdi  
  where salesoffice = @billingdocitem-salesoffice.
```

Save and publish the extension Logic.

Published Logic

```
1 * This method can be used to set values for output to billing document item extension fields.  
2 * Example:  
3 *  
4 * First of all assign existing extension field values to output parameter:  
5 billingdocitem_ext_out = billingdocitem_ext_in.  
6 billingdocitemdescr_ext_out = billingdocitemdescr_ext_in.  
7 *  
8 * Then change further values:  
9 * if billingdoc-SoldToParty = 'ZCUST1'.  
10 *   billingdocitem_ext_out-yy1_field_bdi = 'ABC'.  
11 *   billingdocitemdescr_ext_out-yy1_secondfield_bdit = 'New description'.  
12 * endif.  
13  
14  
15 select single salesofficename  
16 from I_SalesOfficeText into @billingdocitem_ext_out-yy1_salesofficename1_bdi  
17 where salesoffice = @billingdocitem-salesoffice.  
18
```

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