

Extensibility for Billing Document Printout

S/4 HANA Cloud



THE BEST RUN



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1 Provide Reference Document Number in Billing Document Output

1.1 Aim

Show Reference Document Number 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: document_reference_id
- *Identifier: YY1_ document_reference
- *Tooltip: document_reference_id
- *Type: Text
- *Length: 16

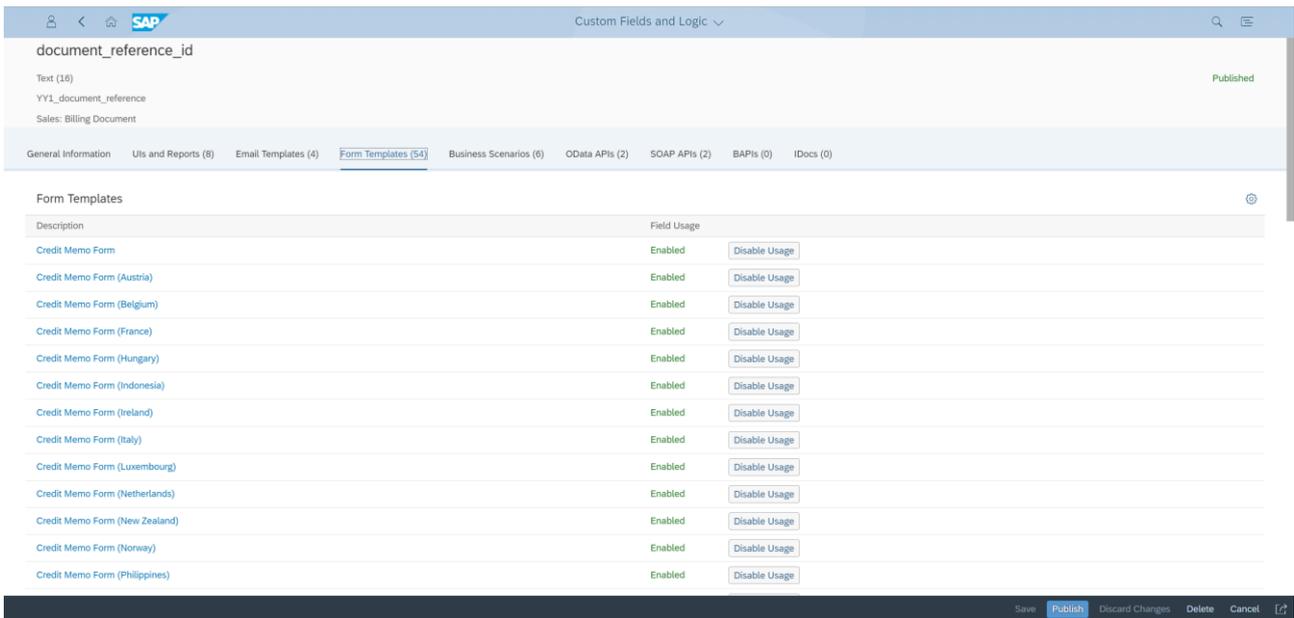
At the bottom, there is a 'Business Context Capacity' indicator showing 10% usage. The bottom bar contains 'Create', 'Create and Edit', and 'Cancel' buttons.

This extension field is intended to store the Reference Document Number of the original Invoice 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.



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 *Definition Description Billing Standard Output Header Adaption* and an appropriate Implementation Description. This step can be skipped in case the Enhancement Implementation already exist.

New Enhancement Implementation

Business Context:

*BApI 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.

* First of all assign existing extension field values to output parameter:

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

```
if billingdoc-sddocumentcategory eq 'N'.
```

```
  select single documentreferenceid  
  from i_billingdocument  
  into @billingdoc_extension_out-yy1_document_reference_bdh  
  where billingdocument = @billingdoc-assignmentreference.
```

```
endif.
```

Save and publish the extension Logic.

The screenshot shows the SAP Custom Fields and Logic configuration interface. The title bar indicates 'Custom Fields and Logic'. The main heading is 'Enhance_Print_Program', with a sub-heading 'Last Changed By Example Administrator, 10/24/2018, 1:43:41 PM' and a 'Published' status indicator. Below the heading, there are tabs for 'Available Fields', 'Filter', and 'BAdI Documentation'. A 'Select Variant' section is visible. The configuration area shows two input fields: 'billingdoc:' and 'billingdocdescr_extension_in:', both with 'Click to add value' buttons. The 'Published Logic' section contains the following code:

```
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 | if billingdoc-sddocumentcategory eq 'N'  
9 |  
10 | select single documentreferenceid  
11 | from i_billingdocument  
12 | into @billingdoc_extension_out-yy1_document_reference_bdh  
13 | where billingdocument = @billingdoc-assignmentreference  
14 |  
15 | endif.  
16 |  
17 |  
18 |  
19 |
```

At the bottom of the logic editor, there are buttons for 'Save Draft', 'Delete', 'Test', and 'Publish'.

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