

# 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

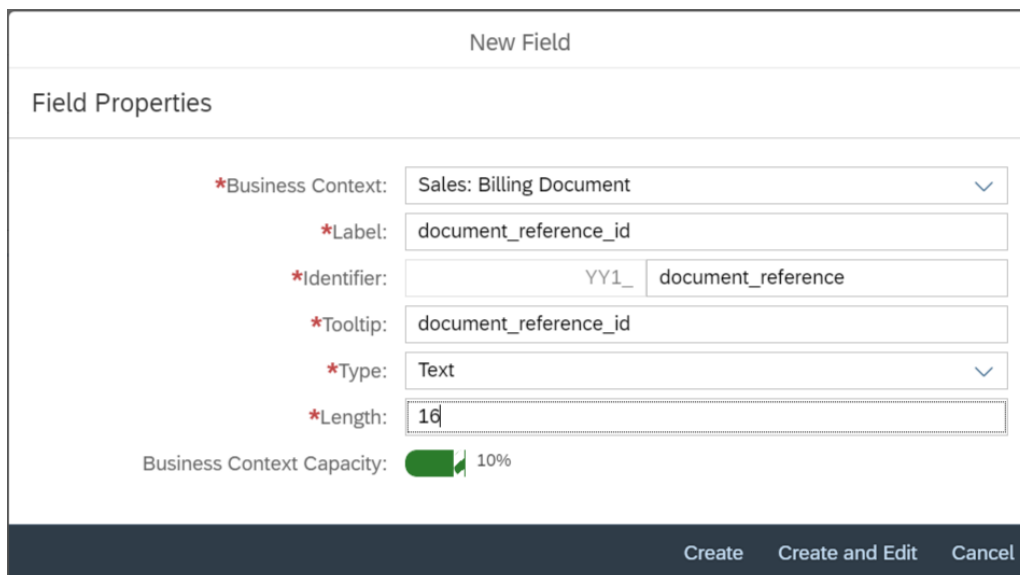
## 1.1 Aim

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.



New Field

Field Properties

\*Business Context: Sales: Billing Document

\*Label: document\_reference\_id

\*Identifier: YY1\_ document\_reference

\*Tooltip: document\_reference\_id

\*Type: Text

\*Length: 16

Business Context Capacity: 10%

Create Create and Edit Cancel

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.

document\_reference\_id

Text (16)  
YY1\_document\_reference  
Sales: Billing Document

Published

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

Description	Field Usage
Credit Memo Form	Enabled <a href="#">Disable Usage</a>
Credit Memo Form (Austria)	Enabled <a href="#">Disable Usage</a>
Credit Memo Form (Belgium)	Enabled <a href="#">Disable Usage</a>
Credit Memo Form (France)	Enabled <a href="#">Disable Usage</a>
Credit Memo Form (Hungary)	Enabled <a href="#">Disable Usage</a>
Credit Memo Form (Indonesia)	Enabled <a href="#">Disable Usage</a>
Credit Memo Form (Ireland)	Enabled <a href="#">Disable Usage</a>
Credit Memo Form (Italy)	Enabled <a href="#">Disable Usage</a>
Credit Memo Form (Luxembourg)	Enabled <a href="#">Disable Usage</a>
Credit Memo Form (Netherlands)	Enabled <a href="#">Disable Usage</a>
Credit Memo Form (New Zealand)	Enabled <a href="#">Disable Usage</a>
Credit Memo Form (Norway)	Enabled <a href="#">Disable Usage</a>
Credit Memo Form (Philippines)	Enabled <a href="#">Disable Usage</a>

Save **Publish** Discard Changes Delete Cancel

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:  
Sales: Billing Document

\*BApI Description:  
Billing Standard Output Header Adaption

\*Implementation Description:  
Enhance Print Program

\*Implementation ID:  
YY1\_ ENHANCEPRINTPROGRAM

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 page for the 'Enhance\_Print\_Program' extension. The page is titled 'Enhance\_Print\_Program' and indicates it was last changed by 'Example Administrator' on 10/24/2018 at 1:43:41 PM. The status is 'Published'. Below the title, there are tabs for 'Available Fields', 'Filter', and 'BAdI Documentation'. A 'Select Variant' button is visible. The main area contains two input fields: 'billingdoc:' and 'billingdocdescr\_extension\_in:', both with 'Click to add value' buttons. To the right, there is a 'billingdoc\_extension\_in:' field with a 'Click to add value' button. At the bottom, there is a 'Published Logic' section with a code editor showing the following ABAP 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 right of the code editor, there are buttons for 'Create Draft', 'Published', and 'Example'. At the very bottom of the page, 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.