

Commodity Code on Form Template Item of Billing Document

S/4 HANA Cloud

Aim

Show Commodity Code on Form Template Item of Billing Document.

Steps to do

1) Creation of an extension field at Billing Document Item

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

The screenshot shows the 'New Field' dialog box in the SAP S/4 HANA Cloud Extensibility business catalog. The 'Field Properties' section is visible, containing the following fields and values:

- *Business Context: Billing Document Item (dropdown menu)
- *Label: CommodityCode (text input)
- *Identifier: YY1_ CommodityCode1 (text input)
- *Tooltip: CommodityCode (text input)
- *Type: Text (dropdown menu)
- *Length: 30 (text input)

At the bottom, the 'Business Context Capacity' is shown as 6% with a green bar icon. The dialog has three buttons at the bottom: 'Create', 'Create and Edit', and 'Cancel'.

This extension field is intended to store the commodity code with the billing document item.

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

2) Extend the Form Template with the Extension Field

Within the same App (**Custom Fields and Logic**) and tab (Custom Field) extend the Form Templates for the billing document with the extension field.

SAP Custom Fields and Logic

CommodityCode

Text (30)
YY1_CommodityCode
Billing Document Item

Published

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Form Templates

Description	Field Usage	
Credit Memo Form	Enabled	Disable Usage
Credit Memo Form (Netherlands)	Enabled	Disable Usage
Credit Memo Form (USA)	Enabled	Disable Usage
Customer Invoice Form Professional Service (Netherlands)	Enabled	Disable Usage
Customer Invoice Form Professional Services	Enabled	Disable Usage
Customer Invoice Form Professional Services (USA)	Enabled	Disable Usage
Customer Invoice Standard Form	Enabled	Disable Usage
Customer Invoice Standard Form (Netherlands)	Enabled	Disable Usage
Customer Invoice Standard Form (USA)	Enabled	Disable Usage
Intercompany Invoice Form Professional Service	Enabled	Disable Usage
Intercompany Invoice Form Professional Service (USA)	Enabled	Disable Usage
YY1_MB_TEST_01	Enabled	Disable Usage

Save Publish Discard Changes Delete Cancel

Save and publish the extension field.

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 'Billing Document Item' with Definition Description 'Billing Standard Output Item Adaption' and an appropriate Implementation Description.

New Enhancement Implementation

Business Context:
Billing Document Item

*Definition Description:
Billing Standard Output Item Adaption

*Implementation Description:
Enhance Print Program

*Implementation ID:
YY1_ ENHANCEPRINTPROGRAM

Create Cancel

Add the following example code to the Draft:

```
* First of all assign existing extension field values to output parameter:
billingdocitem_ext_out = billingdocitem_ext_in.
billingdocitemdescr_ext_out = billingdocitemdescr_ext_in.
```

★

★ Read commodity code for specific product:

```
SELECT SINGLE commoditycode  
  
FROM   c_prodcommoditycodeforkeydate( p_keydate = @billingdoc-billingdocumentdate )  
  
WHERE  product = @billingdocitem-material  
  
AND    country = @billingdocitem-DepartureCountry  
  
INTO @billingdocitem_ext_out-YY1_CommodityCode_BDI.
```

Save and publish the extension Logic.

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