Extensibility for Billing Document Printout

S/4 HANA Cloud

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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.

New Field

Field Properties

*Business Context:	Sales: Billing Document
*Label:	purchase_order_by_customer
*Identifier:	YY1_ purchase_order
*Tooltip:	purchase_order_by_customer
*Type:	Text
*Length:	35
Business Context Capacity:	7%

Create   Create and Edit   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.

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.

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.