How to call a GUI transaction with parameters in SAP Fiori

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Dear SAPLearners, in this blog post we will learn how to call a GUI transaction with parameters in Fiori.

We already know how to configure GUI transaction as tile in SAP Fiori Launchpad, if you have not read yet check out the blog post here.

Lets say we have a requirement to call VA03 transaction for a specific sales order number and skip the initial screen. The similar requirement would be ME23n transaction with particular purchase order number.

We can achieve this requirement by configuring parameters in SAP Fiori Launchpad Designer. Lets get started

Here are the high level steps involved

1. Create a wrapper transaction for VA03 or ME23N with selection parameters that takes order number.

2. Configure the transaction in Fiori Launchpad Designer with Semantic Object and Action along with parameters.

3. Launch the GUI transaction from another fiori app via Cross-app navigation.

Step-by-Step Procedure

1. Run SE38 transaction and create an executable program with below code

```
REPORT zsdui_call_va03.

PARAMETERS:
      p_vbeln TYPE vbeln_va.

SET PARAMETER ID 'AUN' FIELD p_vbeln.
CALL TRANSACTION 'VA03' WITH AUTHORITY-CHECK AND SKIP FIRST SCREEN.
```

2. Create a new transaction code for the above program in SE93.

Create Transaction

Transaction code	ZUI_VA03

Transaction attributes

Short text	Call transaction VA03

Start object

- ○ Program and dynpro (dialog transaction)
- ● Program and selection screen (report transaction)
- ○ Method of a class (OO transaction)
- ○ Transaction with variant (variant transaction)
- ○ Transaction with parameters (parameter transaction)

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Change Report Transaction

Transaction code	ZUI_VA03
Package	$TMP

Transaction text	Call transaction VA03
Program	ZSDUI_CALL_VA03
Selection screen	1000
Start with variant	
Authorization Object	[Values]

Classification

Transaction classification
- ● Professional User Transaction
- ○ Easy Web Transaction　　　　Service [ ]
  - ☐ Pervasive enabled

GUI support
- ☑ SAP GUI for HTML
- ☑ SAP GUI for Java
- ☑ SAP GUI for Windows

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3. Launch SAP Fiori Launchpad Designer and create a new "Target Mapping" with below details.

So in the above screen shot, what needs to be noticed is the parameters table.

4. Finally, lets write some cross-app navigation code to launch the transaction from another fiori application.

```
var oCrossAppNavigator = sap.ushell.Container.getService("CrossApplicatio
var hashUrl = (oCrossAppNavigator && oCrossAppNavigator.hrefForExternal({
               target: {

                     semanticObject: "ZSALES",
                     action: "display"
                 },
                 params : { "OrderNo" : "166" }
        }));
oCrossAppNavigator.toExternal({target: {shellHash: hashUrl}});
```

Congrats!! you have successfully learned how to call a GUI transaction with parameters in Fiori.

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