

Catalogs and groups

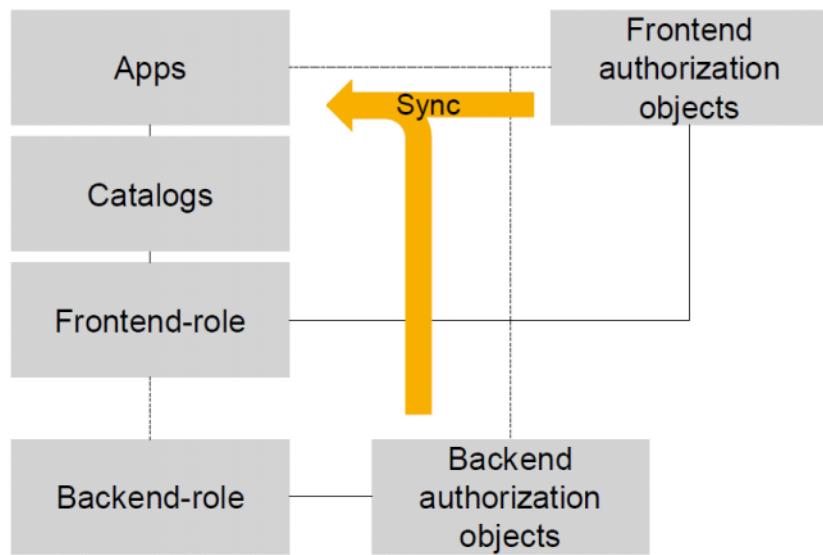
Tuesday, October 30, 2018 9:06 PM

Catalog und group definition / authorization sync

Requirement:

- A catalog defines multiple apps that are available to a user for assignment.
- A group defines multiple apps that are visually grouped on the Launchpad.
- Catalog(s) and group(s) are assigned to user roles (front-end server, PFCG) and through that to users.
- Authorizations need to be synced on the front-end server and on the backend system.
- The necessary requirements to start / execute OData services can be synchronized via tools.

Model (simplified)



Fiori Administration-Creation of Catalogs Groups - Video

Thursday, October 11, 2018 4:11 PM



SAP Fiori
Administrat...



Eaton SAP
Fiori Catal...

[Eaton Catalog administration video:](#)\1_SAP Material\2_Fiori Training\3_SAP Fiori Administratiton Vidoes

Catalog:-

The screenshot shows the SAP Fiori Catalog configuration interface. At the top, there are two tabs: "Catalogs" (selected) and "Groups". Below the tabs, a search bar contains the text "eaton". A list of catalog entries is displayed, with one entry highlighted in blue: "Eaton Sales Analyst ZQTC_SALES_ANALYST" (count 2). A green arrow points upwards from this entry towards the catalog collection area. In the center, a catalog collection titled "Check Price and Availability" is shown, featuring a search icon. Above the collection, the ID "X-SAP-UI2-CATALOGPAGE:ZQTC_SALES_ANALYST" is displayed. To the left of the collection, there are three icons: "Tiles" (count 1), "Tiles" (count 1), and "Target Mappi...". On the far left, a sidebar lists several catalog entries, each with a count and a small icon:

- Eaton Buyer (RTC) ZRTC_EATON_BUYER (2)
- Eaton Finance Manager ZFIN_FINANCE_MANAGER (2)
- Eaton Production Analyst ZPTP_PRODUCTION_ANALYST (2)
- Eaton Purchase Approver ZRTC_PURREQ_APP (4)
- Eaton Quality Analyst ZQM_QUALTIY_ANALYST (3)
- Eaton Sales Analyst ZQTC_SALES_ANALYST (2)** (highlighted in blue)

Group :-

The screenshot shows a SAP Fiori Catalog configuration interface. On the left, a list of roles under the catalog 'eaton' is displayed. A green arrow points from the 'eaton Sales Analyst' role to a blue tile titled 'Check Price and Availability'. Another green arrow points from the 'eaton Sales Analyst' role to a placeholder for links. The top right shows the ID 'ZQTC_SALES_ANALYST'.

Role	ID
Eaton Buyer (RTC)	ZRTC_BUYER_GRP
Eaton Finance Manager	ZFIN_FINANCE_MANAGER
Eaton Production Analyst	ZPTP_PRODUCTION_ANALYST
Eaton Purchase Approver	ZRTC_PURREQ_GRP
Eaton Quality Analyst	ZQM_QUALITY_ANALYST
Eaton Sales Analyst	ZQTC_SALES_ANALYST

Associate to a Role

This screenshot shows the 'Associate to a Role' screen. It displays a role configuration for 'CDDSP_EA' with a description of 'UX - COST CENTER MANAGER - EA ALL'. The 'Catalog' tab is selected. In the hierarchy, 'Eaton Finance Manager Group' is highlighted. The node details show it is a 'SAP Fiori Tile Catalog' object.

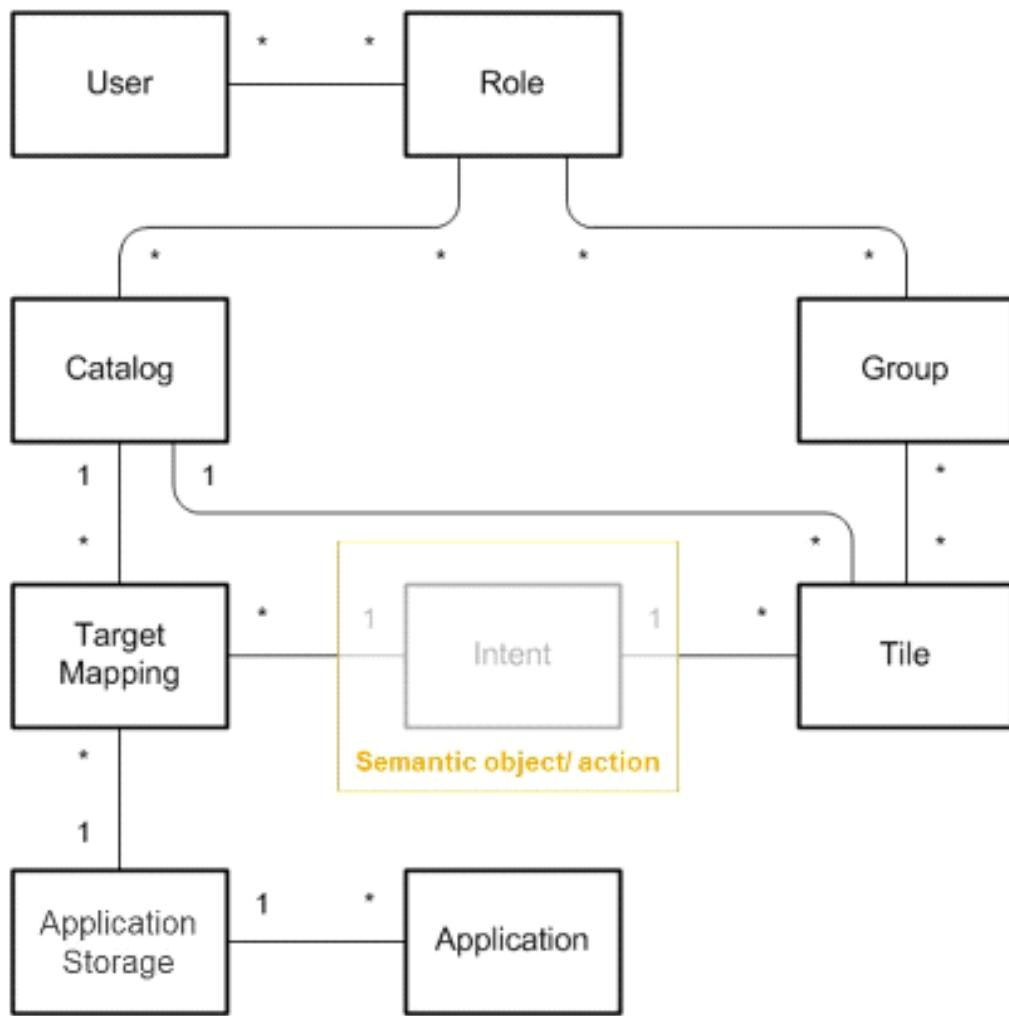
Role	Description	Type
CDDSP_EA	UX - COST CENTER MANAGER - EA ALL	SAP Fiori Tile Catalog
Object	ZFIN_FINANCE_MANAGER	
Text	Eaton Finance Manager	

This screenshot shows the 'Associate to a Role' screen for the same role 'CDDSP_EA'. The 'Group' tab is selected. In the hierarchy, 'Eaton Finance Manager Group' is highlighted. The node details show it is a 'SAP Fiori Tile Group' object.

Role	Description	Type
CDDSP_EA	UX - COST CENTER MANAGER - EA ALL	SAP Fiori Tile Group
Object	ZFIN_FINANCE_MANAGER	
Text	Eaton Finance Manager Group	

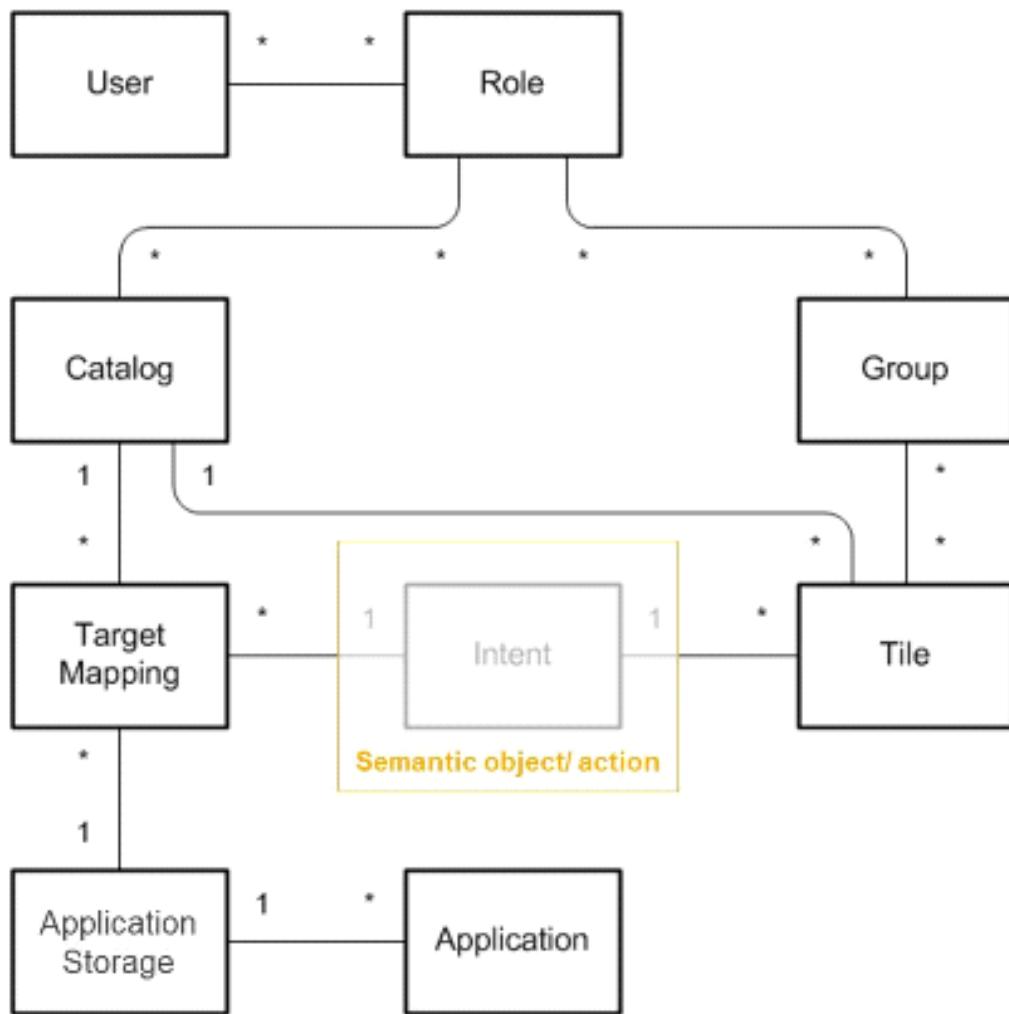
Fiori Launchpad Catalog/Group/Role

Wednesday, April 18, 2018 4:42 PM

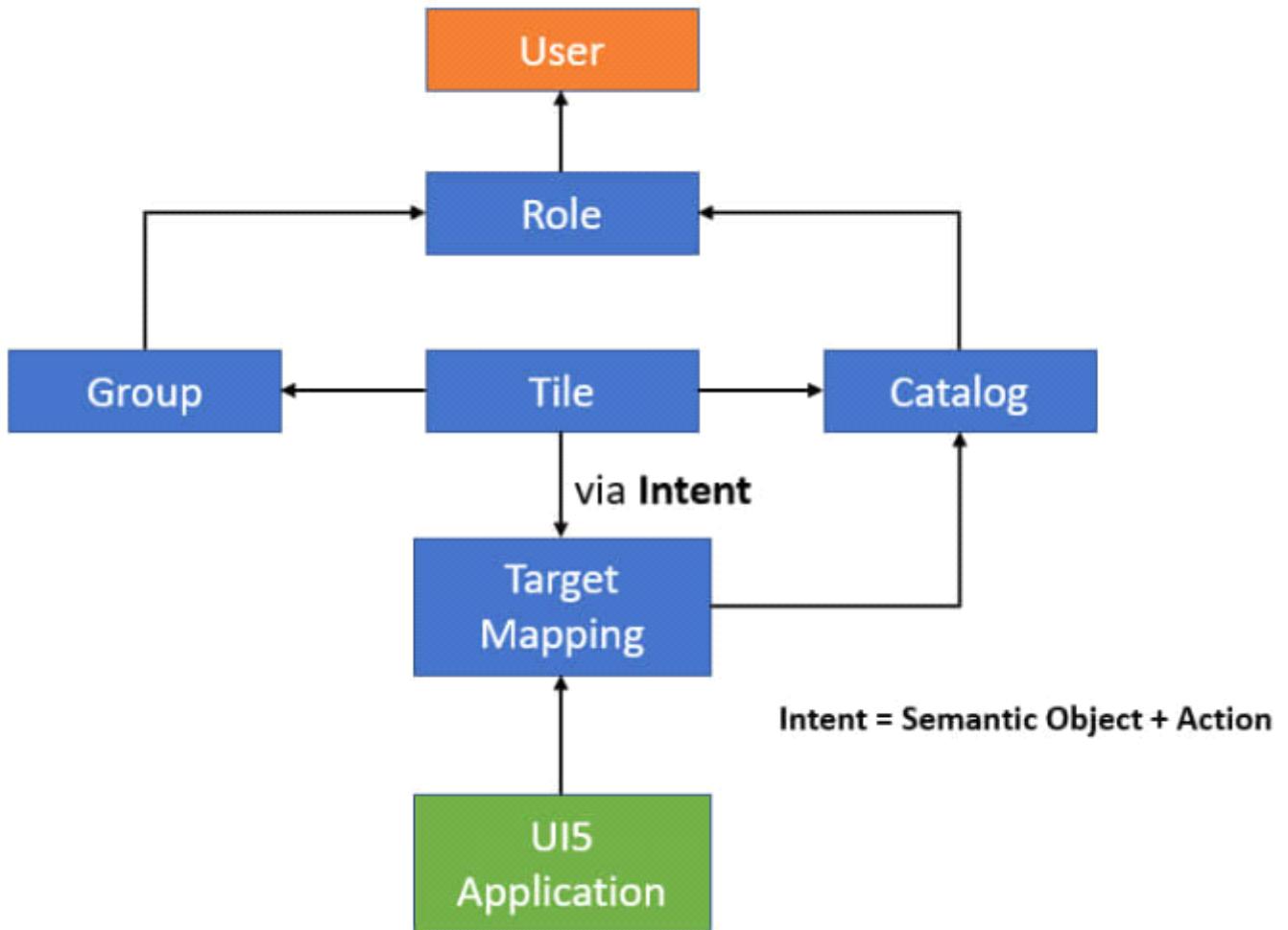


Fiori Launchpad Catalog/Group/Role

Wednesday, April 18, 2018 4:42 PM



<https://www.saplearners.com/fiori-launchpad-content/>



LPD_CUST NOT REQUIRED ANY MORE

Friday, June 12, 2020 11:03 AM

Tiles and Target Mapping

A Fiori tile catalog can include two components:

- Tiles which represent the visual part of a tile such as a title, subtitle, information, icon and the semantic object and action for the intent-based navigation.
- Target mappings which define the target application which is launched when an intent (semantic object/action) is triggered.

ID : X-SAP-UI2-CATALOGPAGE_z_demo

The screenshot shows the Fiori tile catalog configuration interface. At the top, there are three icons: 'Tiles' (grid), 'Tiles' (list), and 'Target Mapp...'. Below them is a search bar. A callout box labeled 'Tiles -> Semantic Object / Action' points to a table where the first row is selected. The table has columns for Icon, Title, Semantic Object, Action, Parameters, Target URL, Reference, and Outdat... . The selected row shows 'Manage My Timesheet' with 'TimeEntry' as the semantic object and 'create' as the action. The target URL is '#TimeEntry-createTimeEntry'. The second row shows 'Cost Centers' with 'CostCenter' as the semantic object and 'analyzeCurrency' as the action. The target URL is '#CostCenter-analyzeCurrency'. There are checkboxes next to the URLs.

Icon	Title	Semantic Object	Action	Parameters	Target URL	Reference	Outdat...
Manage My Timesheet	TimeEntry	create			#TimeEntry-createTimeEntry	✓	
Cost Centers	CostCenter	analyzeCurrency			#CostCenter-analyzeCurrency	✓	

ID : X-SAP-UI2-CATALOGPAGE_z_demo

The screenshot shows the Fiori tile catalog configuration interface. At the top, there are three icons: 'Tiles' (grid), 'Tiles' (list), and 'Target Mapp...'. Below them is a search bar. A callout box labeled 'Semantic Object / Action ->Target Application' points to a table where the first row is selected. The table has columns for Semantic Object, Action, Navigation type, Information, Desktop, Tablet, Phone, and Reference. The selected row shows 'TimeEntry' with 'create' as the action, mapped to 'SAPUI5 Fiori App'. The second row shows 'CostCenter' with 'analyzeCurrency' as the action, mapped to 'Web Dynpro'. There are checkboxes next to the application names.

Semantic Object	Action	Navigation type	Information	Desktop	Tablet	Phone	Reference
TimeEntry	create	SAPUI5 Fiori App		✓	✓	✓	✓
CostCenter	analyzeCurrency	Web Dynpro		✓	X	X	✓

Configuration of Target Mappings

Before SAP NetWeaver 7.50 for the configuration of target mappings launching non-SAP Fiori applications as transactions, Web Dynpro applications or URLs you had to use transaction LPD_CUST in addition to the SAP Fiori launchpad designer. As of SAP UI Add-On 2.0 SP01 you can perform the target mapping configuration completely within in the SAP Fiori launchpad designer – without using transaction LPD_CUST, see also Configuration of Target Mapping.

In the following find some examples how to set up the configuration of target mappings for the different application types.

Target Mapping for SAPGUI transactions

Use Case: When the respective intent is triggered on a desktop device the transaction FTRBPO3 in system S4FIN shall be launched. The transaction can be launched with parameters as e.g. BusinessPartner.

LPD_CUST is not required ANYMORE

[Skip to Content](#)

- [Community](#)

- [Answers](#)

- [Blogs](#)

- [Events](#)

- [Programs](#)

- [Resources](#)

- Search community

- [My profile](#)

- [Logout](#)

- [Home](#)

- [Community](#)

- [Blogs](#)

- [Ask a Question](#)

- [Write a Blog Post](#)

- [Login / Sign-up](#)

- [Send a Message](#)

- [Manage My Blog Posts](#)

- [Quick Start Guide](#)



Carola Steinmaier

Posted on June 9, 2016 2 minute read

SAP Fiori Launchpad – Simplification of Target Mapping Configuration without LPD_CUST

[Follow RSS feed](#) [Like](#)

12 Likes 43,626 Views 38 Comments

Target mapping is part of the SAP Fiori launchpad configuration. It defines the target application, which is launched when clicking on a tile, on a link or within an app-to-app navigation.

As of SAP NetWeaver 7.50 /SAP UI Add-On 2.0 navigation targets for the application types SAPUI5 Fiori apps, transactions, Web Dynpro applications and URLs can be defined completely within the [SAP Fiori launchpad designer](#) without using transaction LPD_CUST.

This is an important simplification of the target mapping configuration with an additional positive impact on the performance. Therefore, the general **recommendation** is to define navigation targets **without** using LPD_CUST.

Tiles and Target Mapping

A Fiori tile catalog can include two components:

- Tiles which represent the visual part of a tile such as a title, subtitle, information, icon and the semantic object and action for the intent-based navigation.
- Target mappings which define the target application which is launched when an intent (semantic object/action) is triggered.

ID : X-SAP-UI2-CATALOGPAGE:z_demo

2 2 2

Tiles -> Semantic Object / Action

Icon	Title	Semantic Object	Action	Parameters	Target URL	Refere...	Outdat...
	Manage My Timesheet	TimeEntry	create		#TimeEntry-createTimeEntry	✓	
	Cost Centers	CostCenter	analyzeCurrency		#CostCenter-analyzeCurrency	✓	

ID : X-SAP-UI2-CATALOGPAGE:z_demo

2 2 2

Semantic Object / Action ->Target Application

Semantic Object	Action	Navigation type	Information	Desktop	Tablet	Phone	Reference
TimeEntry	create	SAPUI5 Fiori App		✓	✓	✓	✓
CostCenter	analyzeCurrency	Web Dynpro		✓	✗	✗	✓

Configuration of Target Mappings

Before SAP NetWeaver 7.50 for the configuration of target mappings launching non-SAP Fiori applications as transactions, Web Dynpro applications or URLs you had to use transaction LPD_CUST in addition to the [SAP Fiori launchpad designer](#). As of SAP UI Add-On 2.0 SP01 you can perform the target mapping configuration completely within in the SAP Fiori launchpad designer – without using transaction LPD_CUST, see also [Configuration of Target Mapping](#).

In the following find some examples how to set up the configuration of target mappings for the different application types.

Target Mapping for SAPGUI transactions

Use Case: When the respective intent is triggered on a desktop device the transaction FTRBP03 in system S4FIN shall be launched. The transaction can be launched with parameters as e.g. *BusinessPartner*.

Target mapping configuration can be set up as follows:

Configure 'Business Partner'

Instance ID: ET0913KGWNRPADAGJFMHNBSC9

Intent	Target
Semantic Object: BusinessPartner	Application Type: Transaction
Action: display	Title: Business Partner
	Transaction: FTRBP03
	System Alias: S4FIN

General

Information	Device Types: <input checked="" type="checkbox"/> Desktop <input type="checkbox"/> Tablet <input type="checkbox"/> Phone																														
Parameters	<table border="1"> <thead> <tr> <th>Name</th> <th>Mandatory</th> <th>Value</th> <th>Is Regular Expression</th> <th>Default Value</th> <th>Target Name</th> </tr> </thead> <tbody> <tr> <td>BusinessPartner</td> <td><input type="checkbox"/></td> <td></td> <td><input type="checkbox"/></td> <td></td> <td>P_BP</td> </tr> <tr> <td>Partner_Role</td> <td><input type="checkbox"/></td> <td></td> <td><input type="checkbox"/></td> <td>B</td> <td>P_ROLE</td> </tr> <tr> <td>CompanyCode</td> <td><input type="checkbox"/></td> <td></td> <td><input type="checkbox"/></td> <td></td> <td>P_BUKRS</td> </tr> <tr> <td>DYNP_OKCODE</td> <td><input type="checkbox"/></td> <td></td> <td><input type="checkbox"/></td> <td>/06</td> <td></td> </tr> </tbody> </table>	Name	Mandatory	Value	Is Regular Expression	Default Value	Target Name	BusinessPartner	<input type="checkbox"/>		<input type="checkbox"/>		P_BP	Partner_Role	<input type="checkbox"/>		<input type="checkbox"/>	B	P_ROLE	CompanyCode	<input type="checkbox"/>		<input type="checkbox"/>		P_BUKRS	DYNP_OKCODE	<input type="checkbox"/>		<input type="checkbox"/>	/06	
Name	Mandatory	Value	Is Regular Expression	Default Value	Target Name																										
BusinessPartner	<input type="checkbox"/>		<input type="checkbox"/>		P_BP																										
Partner_Role	<input type="checkbox"/>		<input type="checkbox"/>	B	P_ROLE																										
CompanyCode	<input type="checkbox"/>		<input type="checkbox"/>		P_BUKRS																										
DYNP_OKCODE	<input type="checkbox"/>		<input type="checkbox"/>	/06																											
<input type="checkbox"/> Allow additional parameters <input type="checkbox"/> Add <input type="checkbox"/> Delete																															

To rename the URL parameter to the parameter name as it is used by the target application the column *Target Name* within the parameter table can be used.

Target Mapping for Web Dynpro applications

Use Case: When the respective intent is triggered on a desktop device, the Web Dynpro application WCM_WDA_WP in system S4EAM shall be launched with several optional parameters for which default values are defined.

Target mapping configuration can be set up as follows:

The screenshot shows the 'Configure: Create Work Permit' screen. In the Intent section, 'Semantic Object' is set to 'WorkPermit' and 'Action' is 'create'. In the Target section, 'Application Type' is 'Web Dynpro', 'Title' is 'Create Work Permit', 'Application' is 'WCM_VDA_WP', 'Configuration' is 'WCM_VDA_WP_CFG', and 'System Alias' is 'S4EAM'. Under General, there is an 'Information' field and a table for parameters. The table has columns: Name, Mandatory, Value, Is Regular Expression, Default Value, and Target Name. It contains four rows: FRW_MODE (Value: I, Target Name: EAMS_ROLE_GF), EAMS_ROLE (Value: EAM_WCM_WP), FRW_OTYPE (Value: 16), and BP_VERSION (Value: 16). There is also a checkbox for 'Allow additional parameters' and buttons for 'Add' and 'Delete'.

Target Mapping for URLs

Use Case: When the respective intent is triggered the SuccessFactors application to display my goals is launched for company I0300.

Target mapping configuration can be set up as follows:

The screenshot shows the 'Configure: Target Mapping' screen. In the Intent section, 'Semantic Object' is 'Employee' and 'Action' is 'displayGoals'. In the Target section, 'Application Type' is 'URL', 'Title' is empty, 'URL' is 'https://salesdemo4.successfactors.com/stgoals?company=I0300', and 'System Alias' is empty. Under General, there is an 'Information' field and a table for device types. The table has columns: Name, Desktop, Tablet, and Phone. It contains three rows: Desktop (checked), Tablet (checked), and Phone (checked).

Recommendation

Generally it's recommended to use the target mapping configuration within the SAP Fiori launchpad designer – without LPD_CUST.

It's not only easier to configure because you have to use only one tool, but it also leads to a better performance during runtime.

Further Information

SCN Blog: [Control visibility of tiles via separation of tiles and target mapping](#)

- [Alert Moderator](#)
Assigned tags
- [SAP Fiori Launchpad](#)
- [SAP Fiori front-end server](#)
- [User Interface](#)
- [administration](#)
- [configuration](#)
- [fiori](#)
- [integration](#)
- [launchpad](#)
- [netweaver](#)
- [sap](#)

- [user experience](#)
- [User Interface Technology](#)
- [ux strategy](#)
- [Web Dynpro](#)

[View more...](#)

Related Blog Posts

Related Questions

38 Comments

You must be [Logged on](#) to comment or reply to a post.



[Ninad Thakur](#)

[July 6, 2016 at 8:45 am](#)

Hello,

We have installed Netweaver 7.5 SP3. We do not see the simplified configuration shown in screenshots above. In the above blog, it's not clear whether the simplification is part of NW 7.5 or whether there is additional component required to be able to use the simplified target mapping.

Do we have to install SAP UI Add-On 2.0 SP01 in addition to Netweaver 7.5 in order to get the simplified target mapping functionality?

Thanks,

- Like(0)



[Carola Steinmaier](#) Post author

[July 6, 2016 at 6:57 pm](#)

Hello,

In fact it's part of the SAP NetWeaver Stack 7.50. The relevant software component within this stack is the **SAP_UI 7.50** component.

Please check the version of the SAP_UI component.

For SAP Netweaver 7.50 no additional Add-On is needed.

Kind regards.

Carola

- Like(0)



[Owen Carnes](#)

[July 13, 2016 at 3:50 pm](#)

Hello Carola,

Is SAP S/4 HANA required for this new functionality (it appears in the release notes as though it is)? We do not have HANA at all, but are currently on SAP_UI 7.4 SP 14, and trying to figure out if this functionality would be available to us with an upgrade.

Thanks,

Owen

- Like(0)



[Carola Steinmaier](#) Post author

[July 13, 2016 at 4:30 pm](#)

Hi Owen,

this functionality is available with SAP Netweaver component SAP_UI 7.50 – also without S/4 HANA.

Kind regards.

Carola

- Like(0)



[Juan Carlos Camacho Garduño](#)

[August 4, 2016 at 10:04 pm](#)

Hi Carola!

I have an issue with the Target Mapping Configuration, i am using Designer to try to solve this, maybe you can give us your opinion.

We published the next question;

[Target Mappings in Fiori Launchpad Designer](#)

Regards,
Carlos

- Like(0)



[Simon Perstorfer](#)

[December 9, 2016 at 12:48 pm](#)

Hey Carola,

is it possible to create multiple target mappings for the same semantic object and action?

I have created a target mapping for a standard semantic object and a standard action in a custom tile catalog and want to use this custom target mapping for a custom tile.

Unfortunately the custom tile uses the standard target mapping.

Is it possible to create multiple target mappings for the same device type and the same semantic object and action?

Regards
Simon

- Like(0)



[Carola Steinmaier](#) Post author

[March 20, 2017 at 10:03 am](#)

Hi Simon,

it's technically possible but then it's undetermined, which target mapping is used.

There should be only one target mapping assigned to the user.

Kind regards.

Carola

- Like(0)



[Jens Schwendemann](#)

[March 30, 2017 at 7:36 pm](#)

Would be possible to use target mapping (either using new flavor directly entered in Launchpad Designer or old fashioned via LPD_CUST) in order to present different (intranet) URLs (no Fiori / UI5 Applications) depending on whether the user is on Desktop or Mobile? All I read (including this blog) point to the direction that this should be possible, but I cannot make this happen.

I particularly struggle on the "semantic object – action" part. I have created a custom semantic object "MyTimeOffRequest" and (currently try to) reuse an standard action "display". If I'm on the desktop, the URL "<https://timeoffrequest.mycompany.com>" should open. If I'm on mobile (Tablet or Phone) "mibrowsers://timeoffrequest.mycompany.com" should open (mibrowsers URL schema points to MobileIrons Web@Work browser leveraging app tunneling.)

Is this even possible using the same semantic object – action combination or do I need different actions for desktop and mobile? And in either case, how to set up?

Any push to the right direction would be highly appreciated

Cheers
Jens

- Like(0)



[Carola Steinmaier](#) Post author

[April 26, 2017 at 9:52 am](#)

Hi Jens,

you can use the same intent (semantic object/action) for mobile and desktop.

Just maintain two target mappings with the same intent which differ only in the checkbox for the device 'mobile' and 'desktop' and in the target application.

Hope that helps.

Kind regards.

Carola

- Like(0)



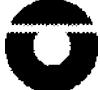
[Jens Schwendemann](#)

[May 4, 2017 at 7:43 am](#)

Thanks Carola, will try this and report back.

Cheers
Jens

- Like(0)



[Jens Schwendemann](#)

[May 17, 2017 at 7:34 am](#)

Seems be working, thanks again ☺

- Like(0)



[Former Member](#)

[March 31, 2017 at 7:11 am](#)

Hi Carola and everyone!

your blog post is very clear and helpful. I am currently playing with my Fiori 2.0 launchpad in an S/4HANA 1610 on premise system and wondering:

Is there a way to launch FioriWave1 apps **inside** the launchpad ? So far I tried using Semantic navigation and also URL (as in your post), but they always open in a new browser tab.

Thank you very much for your advice, kind regards,

Julian

- Like(0)



[Jens Schwendemann](#)

[March 31, 2017 at 2:50 pm](#)

Not sure if this applies to S/4HANA but there is this Parameter "managed=FioriWave1", see here: <https://launchpad.support.sap.com/#/notes/2302199/E>. What would be interesting is, if this is also possible when using the simplified target mapping, as this parameter seems to be entered in LPD_CUST, maybe Carola or somebody else can weigh in here.

Cheers
Jens

- Like(2)



[Technical Team](#)

[April 17, 2017 at 4:39 pm](#)

Hello Jens,

I tried use the 'managed=FioriWave1' in our Fiori 2.0 installation on ECC, but had no luck getting it to work. Yes, maybe someone knows how to do this and will comment.

Cheers,

Mike

- Like(0)



[Michael Albrecht](#)

[April 20, 2017 at 3:00 pm](#)

Hi Jens,

it is not possible to use that workaround on SAP_UI5 750 and higher. I will add this information to the KBA.

Best regards,

Michael

- Like(0)



[Former Member](#)

[May 26, 2017 at 8:59 am](#)

Dear Jens, Michael and Carola: Thank you very much!

- Like(0)



[Technical Team](#)

[April 13, 2017 at 5:54 pm](#)

Hello Carola,

I'm wondering if it is possible to launch a transaction from the Fiori Launchpad with a flavor (defaulted by role) without using LPD_CUST?

There is documentation [here](#) detailing how to use LPD_CUST to do what I'm trying to achieve, but I would rather not use LPD_CUST at all given we are on S/4 1610.

Thanks,

Mike

- Like(0)



[Alexander Schinnes](#)

[July 7, 2017 at 10:13 am](#)

Hello Carola,

I can see you have used the Target Mapping parameter DYNP_OKCODE = /08 to skip the first screen and execute the transaction.

In S/4 1610 it automatically executes the transaction when passing parameters. Do you know if it is possible to NOT skipping the first screen and only passing parameters to prefill fields?

Thanks,

Alexander

- Like(0)



[Carola Steinmaier Post author](#)

[July 10, 2017 at 2:18 pm](#)

Hello Alexander,

yes, it should work that you just pass the parameters for prefilled values.
kind regards.

Carola

- Like(0)



[Alexander Schinnes](#)

[July 14, 2017 at 2:12 pm](#)

Hi Carola,

Thank you for reply! It still goes to the next screen if I remove the DYNP_OKCODE parameter. I think parameter DYNP_OKCODE with value "/08" is set as default, and that this have to be turned off in a way.

Best regards,
Alexander

- Like(0)



[Abdul Raheem Seyed](#)

[November 14, 2017 at 7:20 am](#)

Hi,

With this approach is it possible to Open external apps in the same window . If it's not standard is it possible to achieve the same similar to the workaround provided in

<https://archive.sap.com/discussions/thread/3821059>

without using launchpad. Users are really confused with opening in new window for some app and in the same window for some apps.

Thanks

- Like(0)



[Tomas Vaclav](#)

[June 5, 2018 at 5:15 am](#)

Hello,

i am trying to create mapping via slipstream engine.

Action:	Launch	Title:	SipStream Engine																				
		URL:	/sap/bc/se/m/script/sap/se/ui																				
		Component:	sap.se.ui																				
Information:																							
Device Types: <input type="checkbox"/> Desktop <input checked="" type="checkbox"/> Tablet <input checked="" type="checkbox"/> Phone																							
Parameters: <table border="1"> <thead> <tr> <th>Name</th> <th>Mandatory</th> <th>Value</th> <th>Is Regular Expression</th> <th>Default Value</th> </tr> </thead> <tbody> <tr> <td>flavor</td> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> <td></td> </tr> <tr> <td>transaction</td> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> <td></td> </tr> <tr> <td colspan="5"> <input checked="" type="checkbox"/> Allow additional parameters </td> </tr> </tbody> </table>				Name	Mandatory	Value	Is Regular Expression	Default Value	flavor	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		transaction	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		<input checked="" type="checkbox"/> Allow additional parameters				
Name	Mandatory	Value	Is Regular Expression	Default Value																			
flavor	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>																				
transaction	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>																				
<input checked="" type="checkbox"/> Allow additional parameters																							

We have SAP 7.50 but i still missing "target value" tab

Anyone know where is the problem?

Thanks for help!

- Like(0)



[Carola Steinmaier](#) Post author

[June 5, 2018 at 6:57 am](#)

Hi Thomas,
what do you mean with 'target value' tab?
Could explain more in detail, what you want to achieve?
Kind regards
Carola

- Like(0)



[Tomas Vaclav](#)

[June 5, 2018 at 7:10 am](#)

Hello Carola,

i am trying to add flavor(with bardcode scanner) from screen personas to fiori lanchpad. For this i need to create Parametrs for flavor and transaction in "target mapping" but i missing column "Target Name" in my previous screen.

Thanks

- Like(0)



[Tomas Vaclav](#)

[June 5, 2018 at 12:52 pm](#)

Sorry Carola i just find out that system is running on UI 7.50 and not 7.51

Problem is already solved.

- Like(0)



[Roger Sainsbury](#)

[June 14, 2018 at 1:23 pm](#)

Hi Caroline,
we want to create a tile to launch a URL – in our case it's BI Launchpad. However there are different BI Launchpad URLs for Dev, QA and Prod, which we would want to open from the corresponding Dev, QA or Prod Fiori launchpad. The same situation would most likely arise with your Success Factors example. Can you suggest how that could be achieved? I can't see a way to do it with the FLP tile definitions / Target Mappings.
thanks, Roger

- Like(0)



[Lieselot Van De Voorde](#)

[October 28, 2019 at 3:26 pm](#)

Hi Roger,

I'm facing the same issue and looking for the best sollution for this.
Did you found a solution for this?

Thanks!
Kind regards
Lieselot

- Like(0)



[Paweł Bielecki](#)

[June 18, 2018 at 11:30 am](#)

Hi

How to set tile in UI 752 – opening url in the same window ?

By default urls opens in new browser window.

- Like(0)



[Klaus Kronawetter](#)

[October 19, 2018 at 8:20 am](#)

Dear Carola,

is it possible to open a URL target mapping inside the Launchpad Shell instead of opening a new tab?

Thanks in advance.

BR, Klaus

- Like(0)



[Daniel Weicht](#)

[November 19, 2018 at 2:39 pm](#)

Dear Klaus,

I am having the same issue. Installed the SAP Fiori 2.0 and apparently the workaround will not work on SAP_UI5 750 and higher versions.

Did you find a solution?

BR

- Like(0)



[Karthik Gali](#)

[January 16, 2019 at 1:27 pm](#)

Hi Daniel,

I suspect that, the information mentioned regarding the workaround in the note : 2302199 is incorrect.Because, we are already on SAP_UI 752 0003 version and it works for us.

Did you already test this (or) you concluded that it will not work based on the information provided in the ticket ? The reason, for asking this is to highlight this misinformation and have concrete answer from SAP.

Regards,

Karthik

- Like(0)



[Daniel Weicht](#)

[January 21, 2019 at 1:36 pm](#)

Hi Karthik,

I have already tested this and it did not work for me/us. We have the 752 0003 version installed as well.

Best regards,

Daniel

- Like(0)



[Carola Steinmaier](#) Post author

[March 15, 2019 at 2:41 pm](#)

Hi Klaus,

currently it's not possible to open an URL target inplace in the FLP onPremise.
In future with a central entry point on SAP Cloud Platform, it will be possible to launch the various apps inplace (iframe integration). First demo version is to be expected for SAPPHIRE.

Kind regards

Carola

- Like(1)



[Klaus Kronawetter](#)

[November 21, 2018 at 6:31 am](#)

Hi Daniel,

I created a SAP incident for this issue and the answer was, that it is not supported to open external resources inside the launchpad. I even tried with a custom app which embeds an iFrame, but unfortunately the site I wanted to display didn't allow to be embedded.

So I'm afraid there is no solution to this problem.

BR, Klaus

- Like(1)



[Daniel Weicht](#)

[November 22, 2018 at 2:43 pm](#)

Hi Klaus,

Thank you for the reply.

I cannot imagine that SAP does not have a solution to this problem.

BR

Daniel

- Like(0)



[vikas Patial](#)

[April 23, 2019 at 11:03 pm](#)

Have we tried passing following parameters in target mapping in case of URL(In order to open an app in same window)?

sap-target-navmode: inplace

- Like(0)



[R. Sridhar](#)

[November 15, 2019 at 10:24 am](#)

How to set the parameter for the URL in target mapping ?

Correct answers will be rewarded.

Regards,
Saravanagopal.

- Like(0)



[Laurent Burtaire](#)

[April 28, 2020 at 1:25 pm](#)

Hello [Carola Steinmaier](#),

in your screen-shots for Target Mapping (for WDA and Transaction applications), you have parameters with their corresponding target parameters for the application.

But how is it possible, when the Target Mapping is to launch a Tile (so, not for navigation between applications) to get values of Tile parameters to be passed to application as we are in the Launchpad and not yet in the application?

For example, with Transaction application, *BusinessPartner* parameter is mapped with application parameter *P_BP* (select-parameter of **FTRBP03** transaction).

But how in the Launchpad, you are able to get value of parameter *BusinessPartner*?

Regards.

Laurent.

- Like(0)

Find us on

- [Privacy](#)
- [Terms of Use](#)
- [Legal Disclosure](#)
- [Copyright](#)
- [Trademark](#)
- Cookie Preferences
- [Newsletter](#)
- [Support](#)

Visual Text

Paragraph

Inserted from <<https://blogs.sap.com/2016/06/09/sap-fiori-launchpad-simplification-of-target-mapping-maintenance/>>

SAP Fiori Catalog, Business Group & Role Creation | SAP Blogs

Thursday, November 4, 2021 3:33 PM

Clipped from: <https://blogs.sap.com/2019/03/15/sap-fiori-catalog-business-group-role-creation/>

Will see how to Create a Catalog and Business Group in Fiori Launchpad Designer

What is Fiori Catalog?

A catalog is a set of Tiles / Applications you want to make available for one role. Depending on the role and the catalogs assigned to the role, users can browse through the catalogs and choose the Tiles / Applications that they want to display on the entry page of the SAP Fiori launchpad.

What is Business Group?

A group is a subset of Applications from one or more catalogs. Which tiles are displayed on a user's Home page depends on the groups assigned to the user's role. In addition, the user can personalize the entry Fiori Page by adding or removing Applications to pre-delivered groups or self-defined groups.

Why to Create a Custom Role?

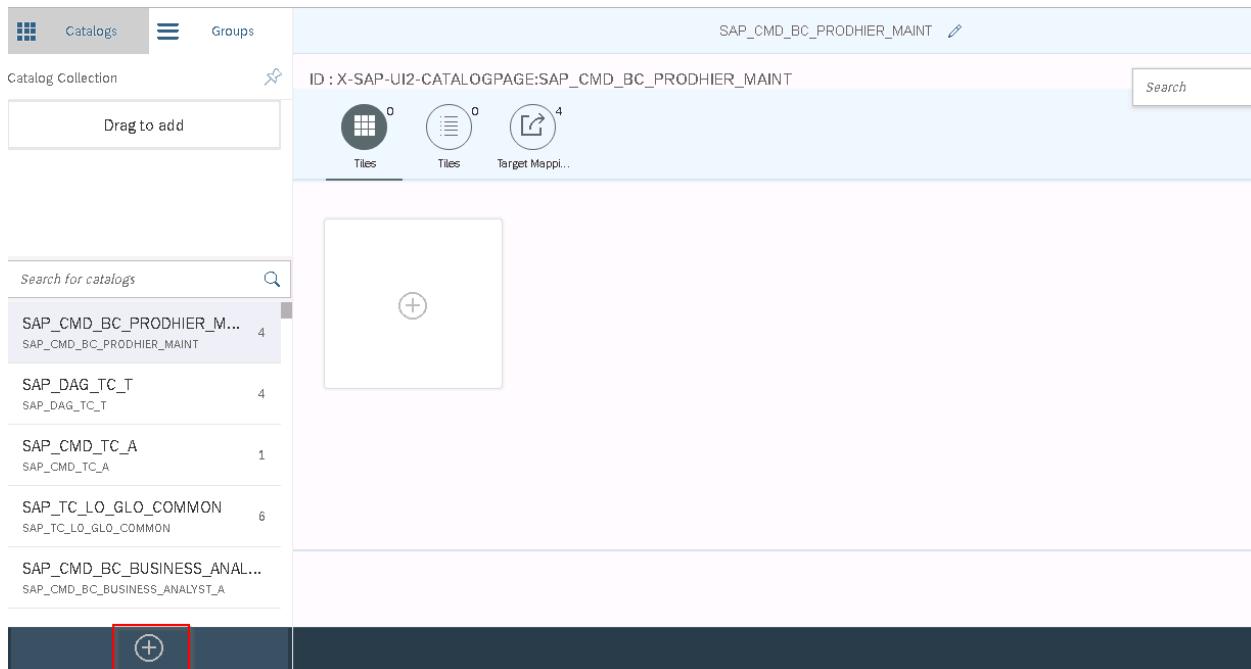
If we use SAP Standard Role End User / Business User will be getting lots of other Application which are not required actually and His / Her Home page will end up messy with lots of business groups and Applications

Please Follow Below Steps to Create a Successful Role instead of using SAP Standard Role for Fiori Role.

Fiori Catalog & Business Group Creation

1. Enter T.code :- **/n/ui2/flpd_cust**

Need to Create Catalog & Business Group

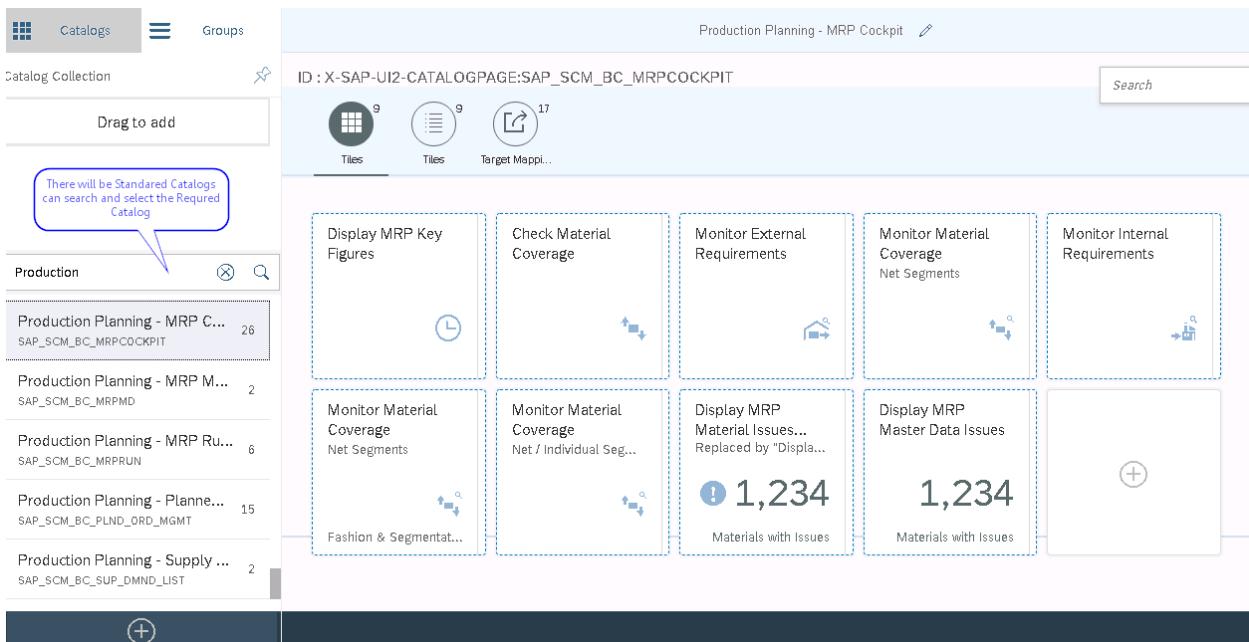


2. Click on Add / Create button

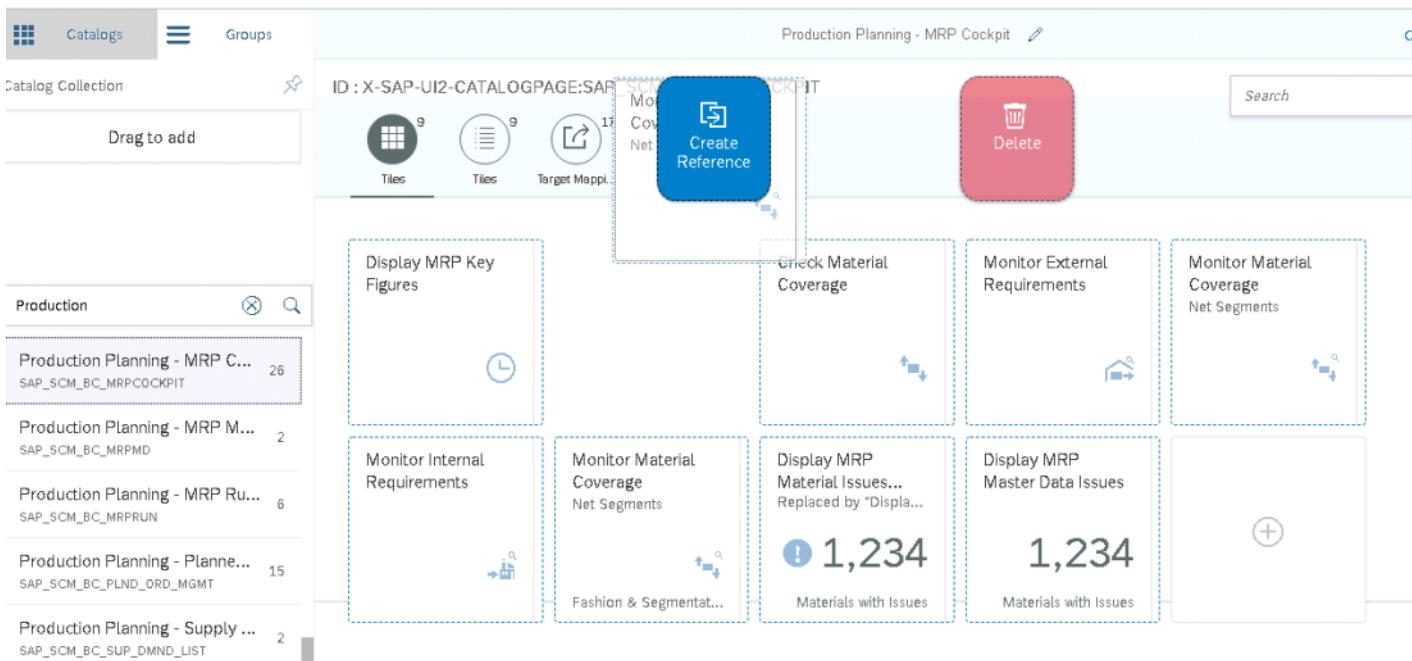
The dialog box is titled 'Create Catalog'. It has two radio button options: 'Standard' (selected) and 'Remote'. Below them are two input fields: 'Title' containing 'Rutrhevik' and 'ID' containing 'Roles'. At the bottom are 'Save' and 'Cancel' buttons.

3. Give Title & Role (its Description)

4. Click Save

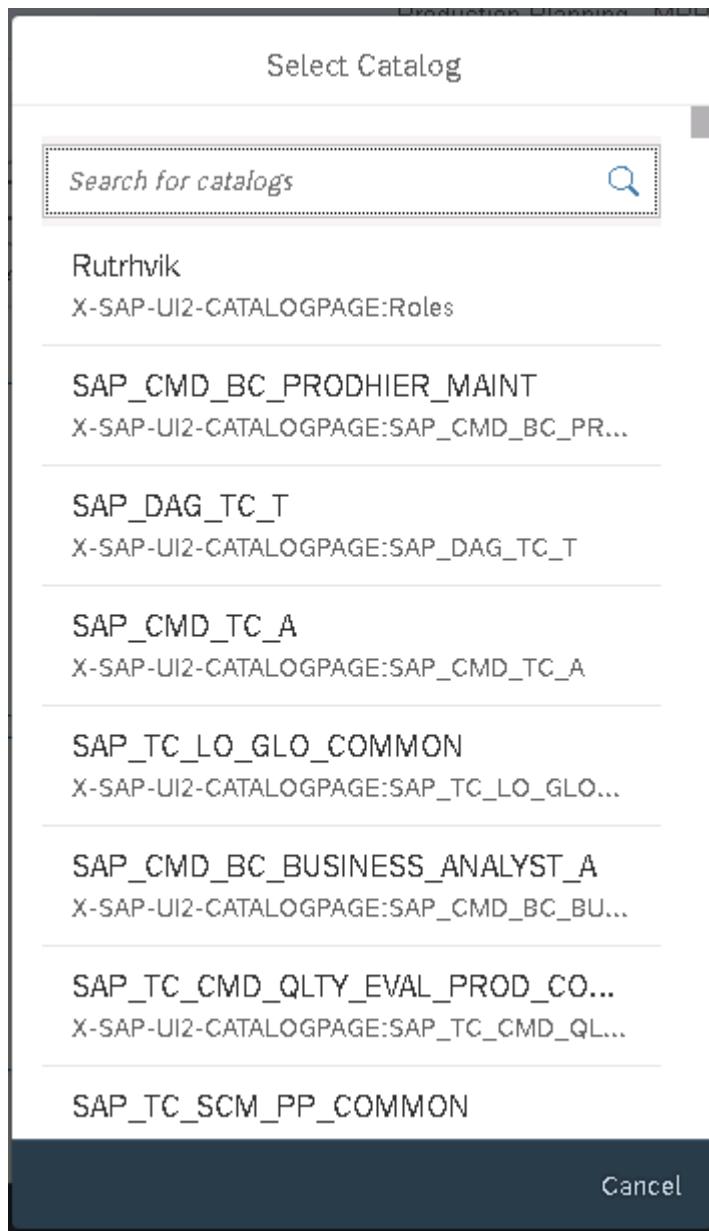


5. We can use Standard SAP Catalogs which is will full fill our requirement, once you select catalog its tiles / Applications will be displayed on right side



6. Select the required Tile which you need to add to your catalog and drag once its dragged as shown above 2 options will be enabled Create Reference and delete

Note:- Don't Delete Role By Mistikely also once it deleted its deleted it can't be undo.



7. Once you drop in Create reference popup will be enabled to select under which need to add
8. Select catalog which you created earlier

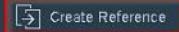
ID : X-SAP-UI2-CATALOGPAGE:SAP_SC_MRPCOCKPIT

Search 

 9 Tiles  9 Tiles  17 Target Mapp...

Configure Columns

Semantic Object	Action	Navigation Type	Information	Desktop	Tablet
PlannedOrder	display	Transaction		✓	✗
ProcessOrder	display	Transaction		✓	✗
ProductionOrder	display	Transaction		✓	✗
MRPRunKeyFigures	display	SAPUI5 Fiori App		✓	✗
PlannedOrder	change	Transaction		✓	✗
MRPRunKeyFigures	displayFactSheet	SAPUI5 Fiori App		✓	✗
MRPMaterial	monitor	SAPUI5 Fiori App		✓	✓
MRPMaterial	manage	SAPUI5 Fiori App		✓	✓
MRPIssuePlantMaterial	display	SAPUI5 Fiori App		✓	✗
MRPExternalRequirement	monitor	SAPUI5 Fiori App		✓	✓

Show similar target mappings  Create Target Mapping  Configure  Create Reference  Delete  Where Used  Original

9. Click on Target Mapping

10. Select the required segment and Action and click on create reference.

Select Catalog

Search for catalogs

Rutr hvík
X-SAP-UI2-CATALOGPAGE:Roles

SAP_CMD_BC_PRODHIER_MAINT
X-SAP-UI2-CATALOGPAGE:SAP_CMD_BC_PR...

SAP_DAG_TC_T
X-SAP-UI2-CATALOGPAGE:SAP_DAG_TC_T

SAP_CMD_TC_A
X-SAP-UI2-CATALOGPAGE:SAP_CMD_TC_A

SAP_TC_LO_GLO_COMMON
X-SAP-UI2-CATALOGPAGE:SAP_TC_LO_GLO...

SAP_CMD_BC_BUSINESS_ANALYST_A
X-SAP-UI2-CATALOGPAGE:SAP_CMD_BC_BU...

SAP_TC_CMD_QLTY_EVAL_PROD_CO...
X-SAP-UI2-CATALOGPAGE:SAP_TC_CMD_QL...

SAP_TC_SCM_PP_COMMON

Cancel

11. Select the Catalog under which you need to copy Mapping . like this you can add multiple Applications/tiles and Target Mapping as per the Applications you wanted to Add

with this, we Completed Creation of catalog

Creation of Business Group.

The screenshot shows the SAP Fiori Catalog Groups page. At the top left, there are two tabs: 'Catalogs' and 'Groups'. The 'Groups' tab is highlighted with a red box. Below the tabs is a search bar with the placeholder 'Search for groups' and a magnifying glass icon. A list of groups is displayed, each with a name, a small icon, and a count. The groups listed are:

- Account Receivable - Tax Rep... 1
SAP_FIN_BC_AR_TAX REP SG
- Accountant Overview for Gene... 1
SAP_SFIN_BCG_GL_DVR
- Accounting 24
SAP_TRM_BCG_AC
- Accounting for Hungary 6
SAP_FIN_BCG_AC_HU
- Accounts Payable Accountant ... 1
SAP_FIN_BCG_AP_VEND_IL
- Accounts Payable/Receivable... 20
SAP_O2C_BCG_CARM
- Accounts Receivable Accounta... 1
SAP_FIN_BCG_AR_CASH_IL
- Actual Costing 2
SAP_SFIN_BCG_AC
- Actual Costing Production Star... 2

At the bottom center of the page is a large blue button with a white plus sign (+) inside a circle, also highlighted with a red box.

ID : SAP_FIN_BC_AR_TAX REP SG

Show as Tiles

Print Document i
Extracts
Singapore

Show as Links

1. Now click on Group and click Create

Create Group

*Title:

*ID:

Group personalization:

- Enable users to personalize their group

Save Cancel

2. Give Title & ID and click on save

The screenshot shows the 'Create Group' screen. At the top, there is a header bar with the title 'Create Group'. Below the header, there are two input fields: one for 'Title' containing 'Ruthvik' and another for 'ID' containing 'Role'. Underneath these fields, there is a section titled 'Group personalization' with a checked checkbox labeled 'Enable users to personalize their group'. At the bottom of the screen, there is a dark blue footer bar with two buttons: 'Save' and 'Cancel'.

3. Click on add

The screenshot shows the 'Group Configuration' screen. At the top, there is a header bar with the title 'Ruthvik' and a small edit icon. Below the header, there is a section titled 'Show as Tiles' with a large button containing a plus sign (+). This button is highlighted with a red square. On the right side of the screen, there is a sidebar with several options: 'Monitor Material Coverage', 'Net / Individual Seg...', and icons for 'Upload', 'Search', and 'Download'.



Rutrvik

Monitor Material
Coverage
Net / Individual Seg...



4. Once you click on add will get a list of tiles / Apps which we added in Catalog
5. Click on Add button which is bottom of the tile



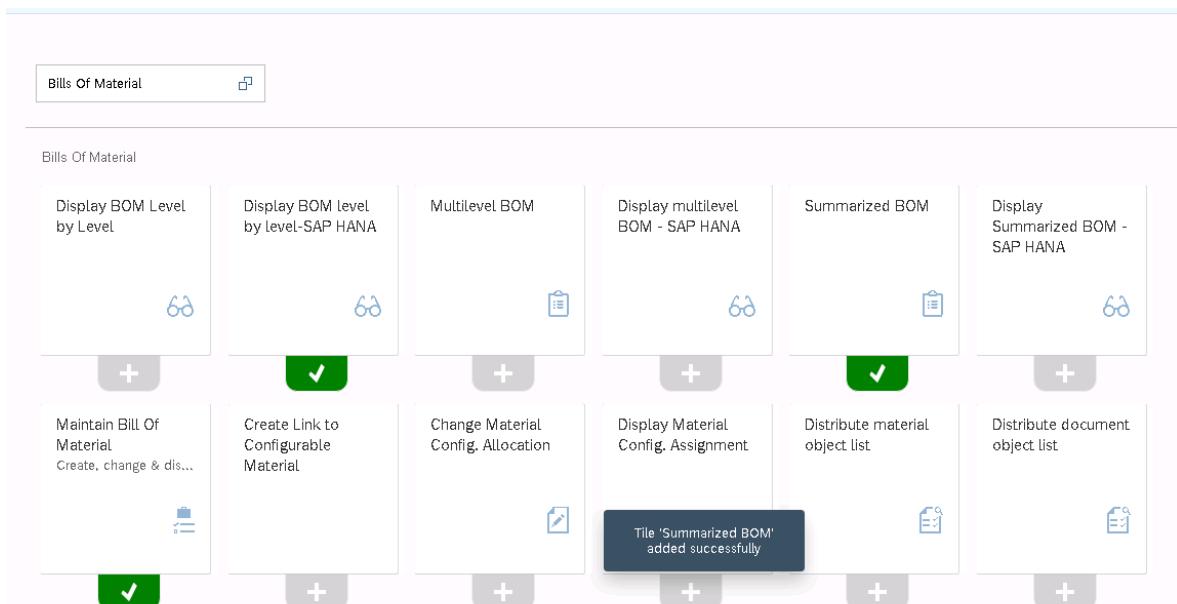
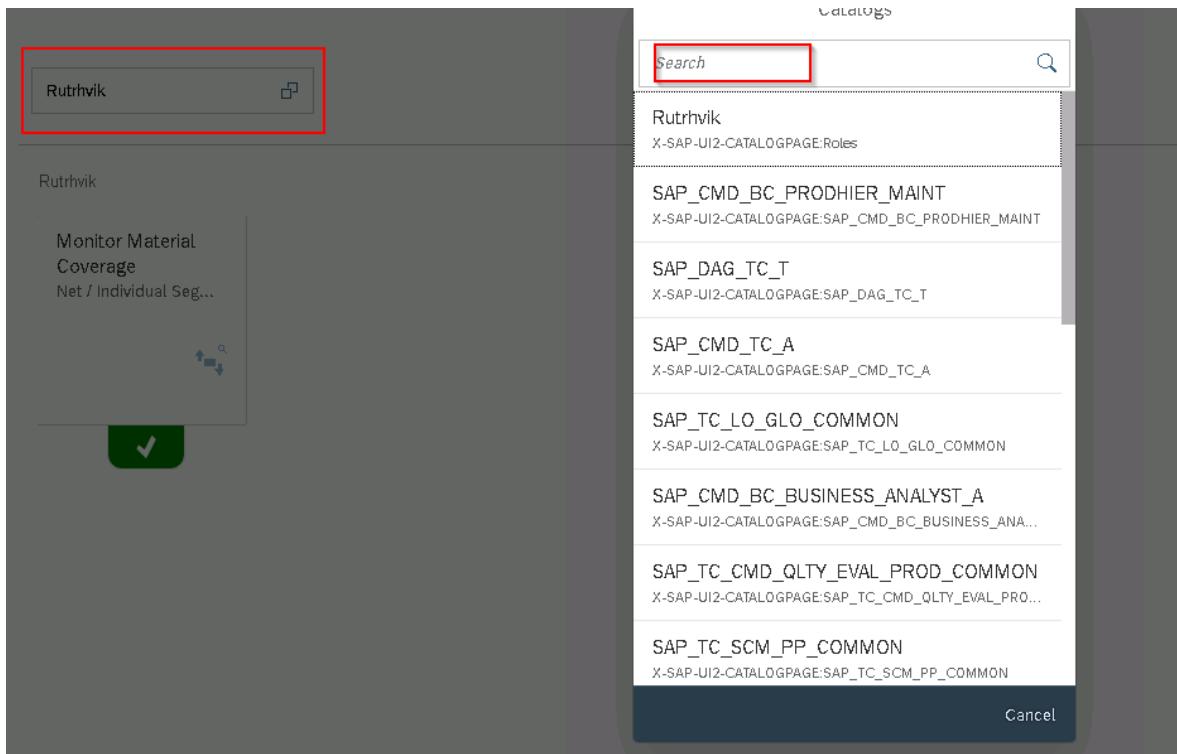
Rutrvik

Monitor Material
Coverage
Net / Individual Seg...



Tile 'Monitor Material
Coverage' added
successfully

6. Once its added will get a successful message as shown above.
7. We can also add other Apps/tiles from other Catalogs by searching in the search bar.



8. I have selected BOM Catalog and under BOM Catalog selected 3 Apps which are required
9. Click back button and come to the main page

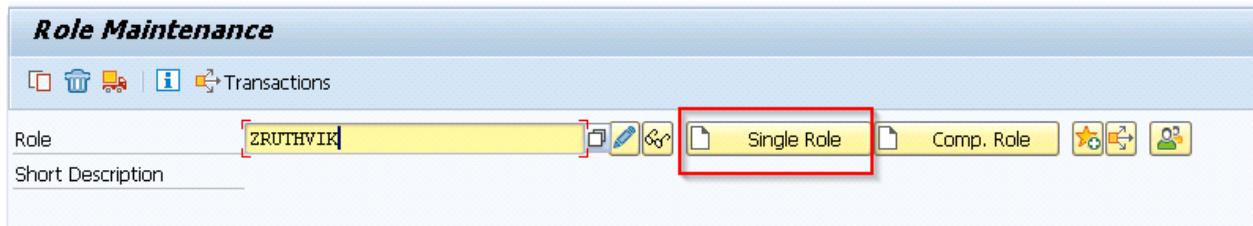
The screenshot shows the SAP Fiori Catalog interface. On the left, there's a sidebar with 'Catalogs' and 'Groups'. Under 'Groups', there's a search bar and a list of business groups. One group, 'Ruthvik', is selected and expanded, showing its contents. The main area displays the 'ID : Role' section with a 'Show as Tiles' view. Four tiles are visible: 'Monitor Material Coverage' (with a blue icon), 'Display BOM level by level-SAP HANA' (with a green icon), 'Maintain Bill Of Material' (with a yellow icon), and 'Summarized BOM' (with a red icon). Below this is a 'Show as Links' section with a single link.

We can see under the Business Group which we created now we have 4 apps once from catalog which we created and other 3 are from different / SAP standard Catalogs

With this we completed Creation of Catalog & business group, now need to create Role and assign created Catalog and Business Group "RUTHVIK" to a role.

Creation of Role using Catalog and Business Group

1. In SAP Open PFCG Transaction.



2. Give the role name and click on the single role

Create Roles

63 Other role Inheritance

Role

Role	ZRUTHVIK	<input type="checkbox"/> Obsolete
Description	Role for All	
Target System		

Description Menu Workflow Authorizations User MiniApps Personalization

Administration Information

Created	
User	
Date	
Time	00:00:00

Transaction Inheritance

Derive from Role	
------------------	--

Long Text

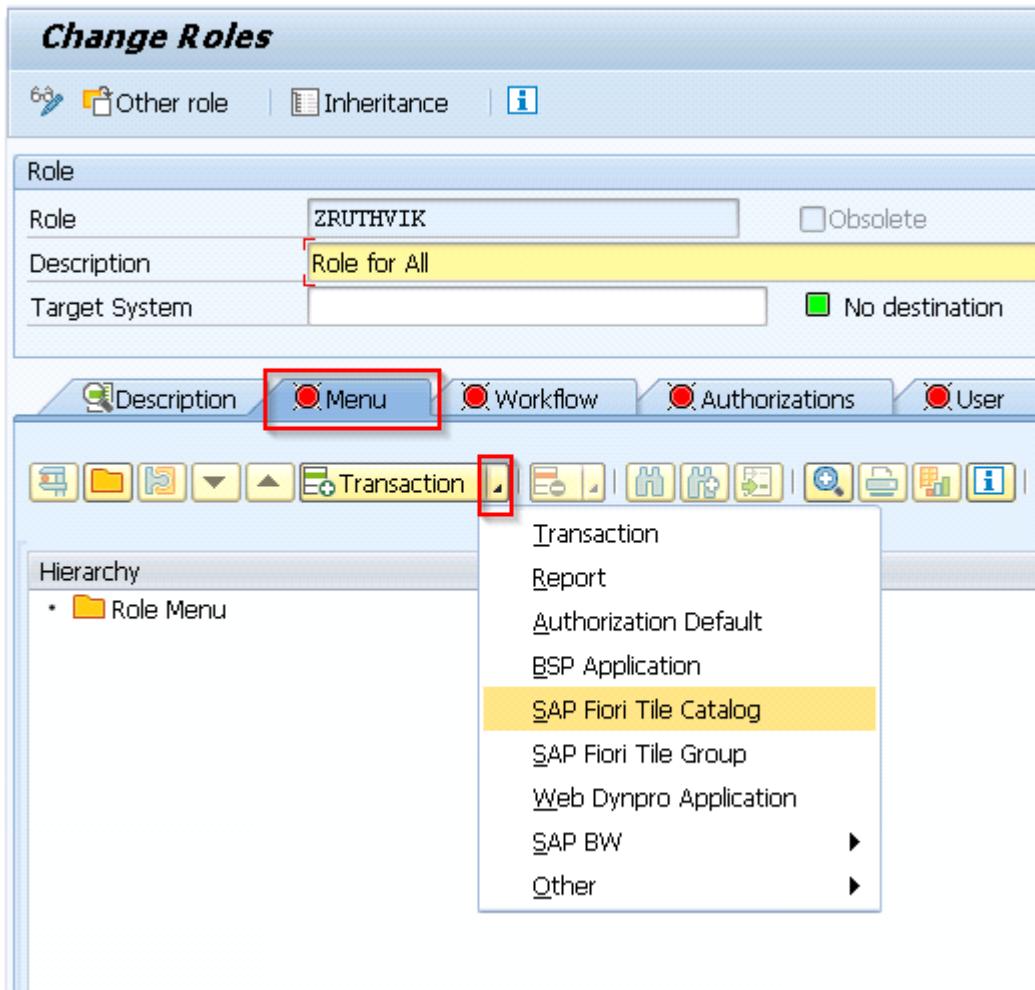
Roles of PP QM MM

* Li 1, Co 18 Ln 1 - Ln 1 of 1 lines

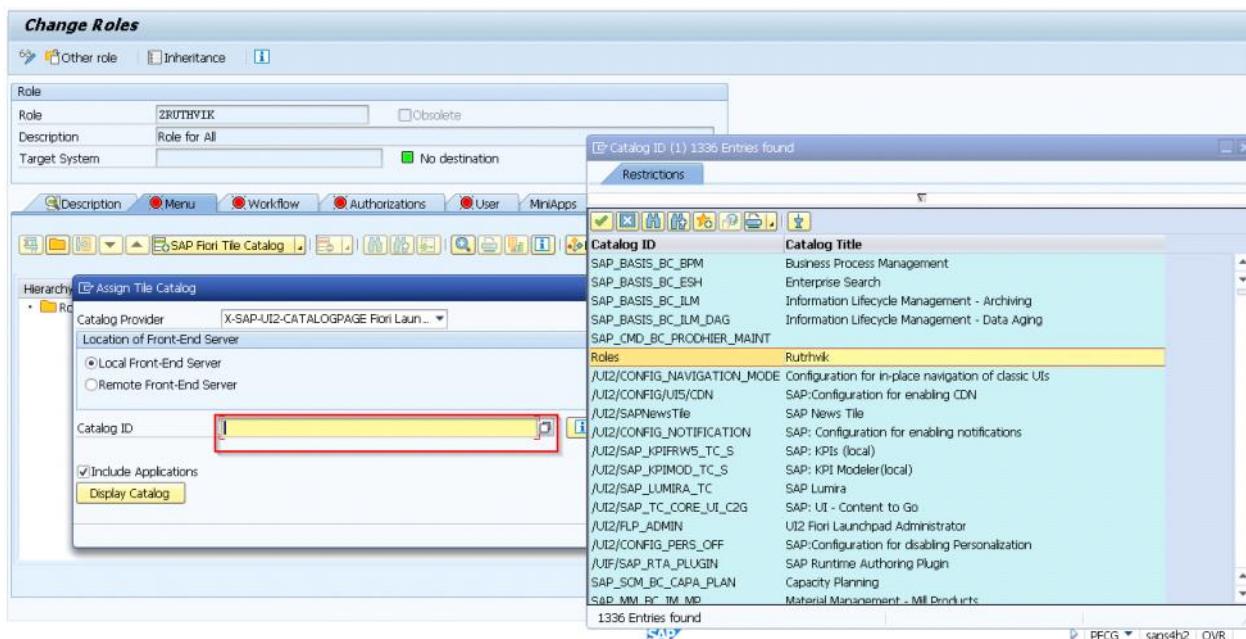
The screenshot shows the SAP Fiori interface for creating a new role. The top navigation bar includes 'Create Roles', 'Other role', 'Inheritance', and an info icon. The main form has a 'Role' field set to 'ZRUTHVIK' and an 'Obsolete' checkbox. A red box highlights the 'Description' field containing 'Role for All'. Below the role details are sections for 'Administration Information' (with empty user, date, and time fields) and 'Transaction Inheritance' (with a 'Derive from Role' field). The bottom section is a 'Long Text' editor with a toolbar, containing the text 'Roles of PP QM MM', which is also highlighted with a red box. Status indicators at the bottom show 'Li 1, Co 18' and 'Ln 1 - Ln 1 of 1 lines'.

3. Give the description and long text

4. Save

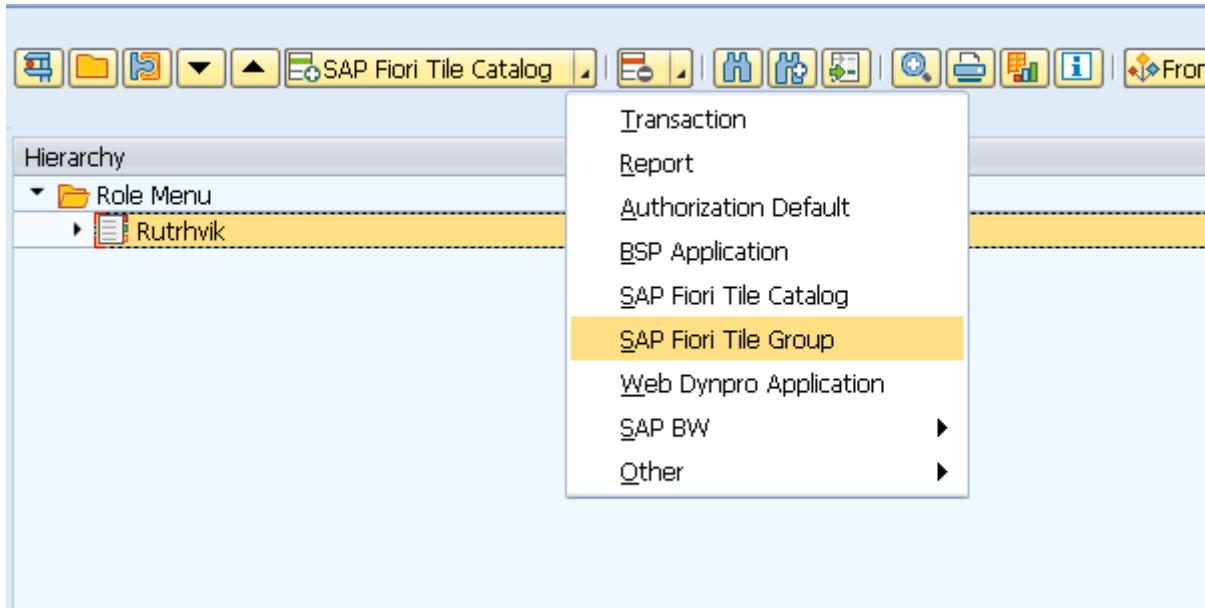


5. Select Menu Tab and select Transaction Drop down to select SAP Fiori Tile Catalog.

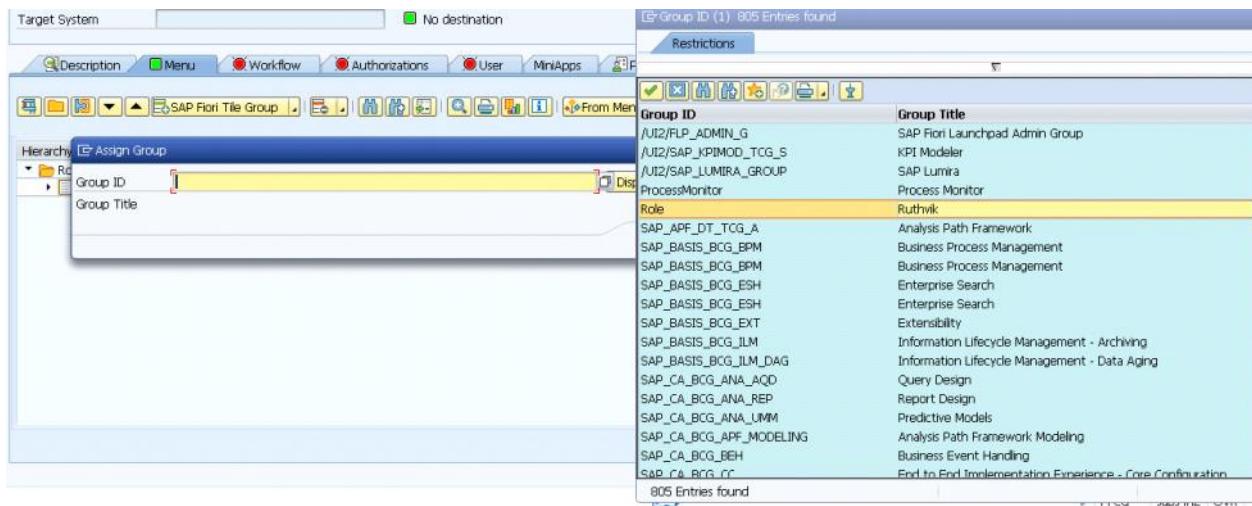


6. Once you select Fiori Catalog "Assign Catalog" Popup will be opened in catalog ID select from search and select Catalog which we created

7. Clicks continue.

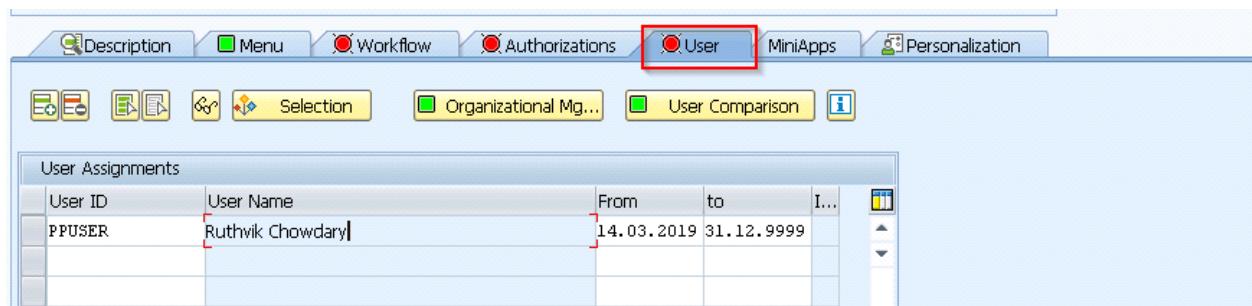


8. Repeat same to select Business Group



9. Select Business Group we created

10. Click Continue



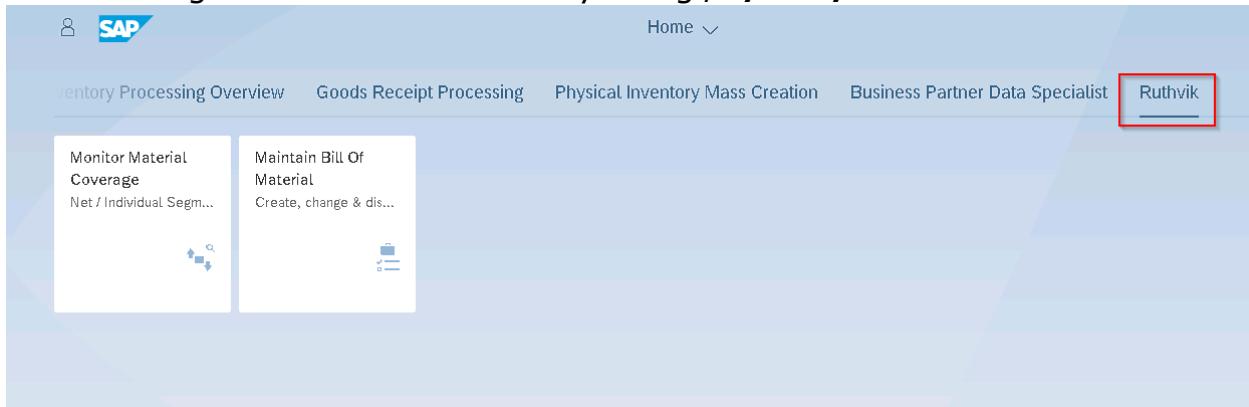
11. Go to User Tab and assign User ID to whom these new roles need to be assigned.

12. Click Save

We Have successfully Created Catalog, Business Group and created Role and assigned to the User ID,

Let's Test our work

1. Now login to Fiori launch Pad by using /n/UI2/FLP



2. Now under "RUTHVIK" Business Group 2 APPs/ Tiles have been added.

With this, you have completed role creation by using Custome Catalog and the Business group.

Follow the same steps when very Users need New Business Group with a mix of Different Apps and Catalogs.

How to Create a Tile Pointing to dynamic URL : S/4Hana | SAP Blogs

Thursday, November 4, 2021 3:40 PM

Clipped from: <https://blogs.sap.com/2019/03/20/how-to-create-a-tile-pointing-to-dynamic-url-s4hana/>

Introduction:

This is part 2 of my blog for URL Tile, aimed to further enhance the tile capability covering topics as suggested by [Jocelyn Dart](#). The goal of this blog is to give detailed step by step instruction on how to create a tile pointing to **dynamic** URL.

Note the word dynamic here. This type of tile is generally used for our sap systems where in we have multiple environments and the URL protocol/host/port needs to be different for our DEV, QAS and PRD environments.

Part 1: <https://blogs.sap.com/2019/02/28/how-to-create-a-tile-pointing-to-url-s4hana/>

Prerequisites:

User id should be having Launchpad admin access "**SAP_UI2_ADMIN_700**" in Gateway for using Launchpad Designer for creation of Tile.

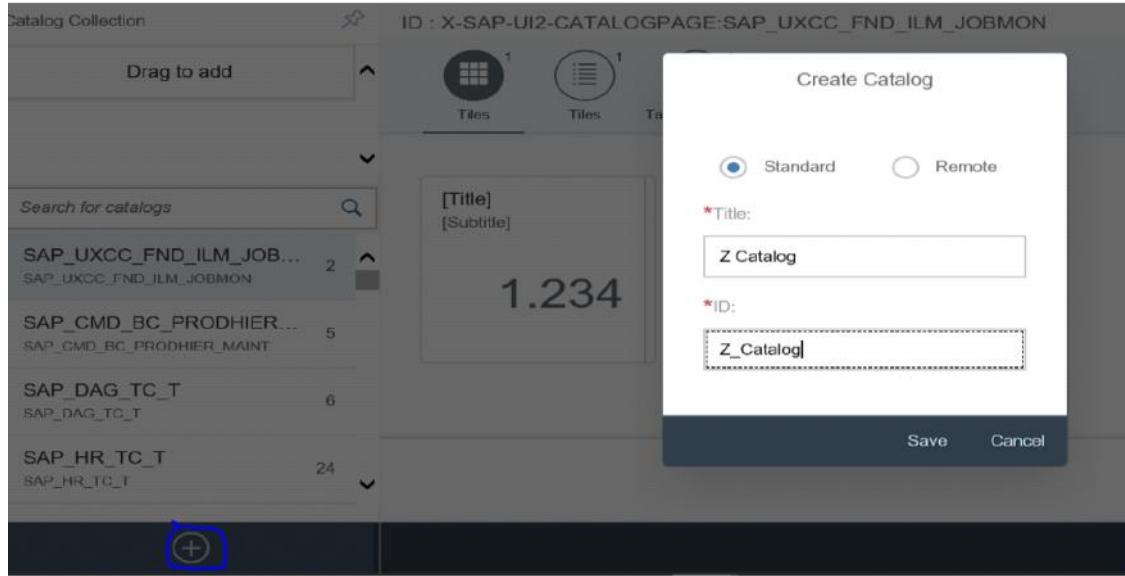
Creating Tile in Launchpad Designer:

Login to Launchpad designer by using below url or using Tcode "/UI2/FLPD_CUST" from Gateway system.

http://host name: port/sap/bc/ui5/ui5/sap/arsvc_upb_admn/main.html?scope=CUST&sap-client=100&sap-language=EN#

1. Create Custom Catalog : You are now into Launchpad Designer Tool, used for creation of Catalogs & Tiles. Follow the below steps for Catalog Creation.

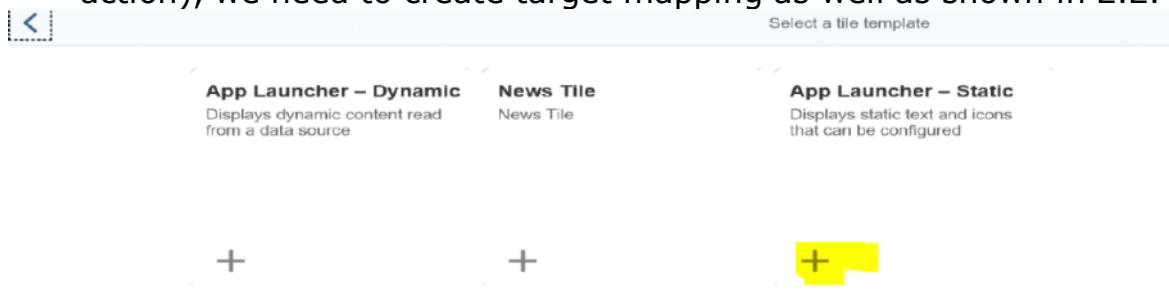
- Click on + Sign on left bottom of below screen.
- Fill the required details on the pop up "Create Catalog" & press save.
- Catalog is created.
- Now we need to create Tile inside this catalog.



2. Create Tile pointing to dynamic URL : You should be now inside catalog created in above steps.

2.1. Follow the below steps for Tile Creation which would be pointing to target mapping.

- Click on + sign on right screen to add Tile. It would open below screen.
- Select + of "App Launcher – Static" tile type to proceed. It should open a new page.
- Fill the required details in given fields as per below screen and choose save.
- Note that "*Use semantic object navigation*" is checked here and we need to provide Semantic Object and Action.
- That's it tile is created.
- Now since we are using intent based navigation here (semantic object – action), we need to create target mapping as well as shown in 2.2.



Configure: 'URL Tile'

Instance ID: OMRCZZT2QZYLVHOLEKQUSHX2C

General

Title:	URL Tile	Use semantic object navigation:	<input checked="" type="checkbox"/>
Subtitle:	Sys Alias	Semantic Object:	Demo
Keywords:	Demo	Action:	test
Icon:	sap-icon://Fiori2/F0010	Parameters:	
Information:	Using System Alias	Target URL:	#Demo-test

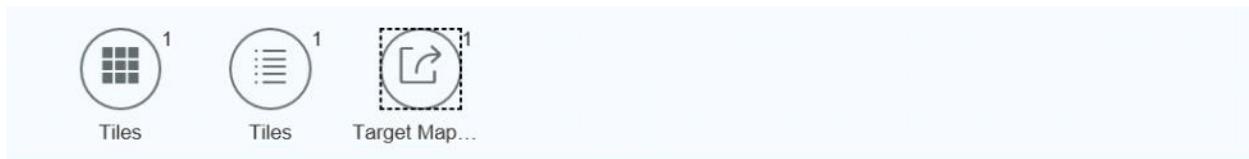
Navigation

Tile Actions

	Menu Item	Target T...	Navigation Target	Action	Icon	
<input type="checkbox"/>		URL	<input type="text"/>		sap-ico 	

2.2. Follow the below steps for Target mapping creation which would be pointing to URL.

- Now since we are using intent based navigation here (semantic object – action), we need to create target mapping as well.
- Next to Tiles tab we have a tab called “Target Mapping”, go to the tab and click on button “Create Target mapping” present in the footer section as show in below screen.
- Fill in the fields as shown in below screen. Make sure to have same semantic object – action combination as was used while creating tile.
- Note** the field “**System Alias**” which is of importance here. Based on the system alias, the host:port part of the actual environment/server url would be picked. (*I have picked LOCAL here as this is the system alias pointing to my gateway*)
- In URL field you provide only the Base url which is common across all environment as show below.
- That’s it, the target mapping for url tile is created.
- Now get the catalog assigned to user role in gateway with help of security team,.
- The tile should be now visible under created catalog in FLP (Fiori Launchpad).



Show similar target mappings [Create Target Mapping](#) [Configure](#) [Create Reference](#)

Configure: 'urltm' Instance ID: 0MRCZYTQZYLVH0LHGQ91DYND

Intent	Target
Semantic Object: <input type="text" value="Demo"/>	Application Type: <input type="text" value="URL"/>
Action: <input type="text" value="test"/>	Title: <input type="text" value="URL Tile"/>
	URL: <input type="text" value="/sap/bc/ui5/ui5/simpletest/index.html?sap-client=100"/>
	System Alias: <input type="text" value="LOCAL"/>

General

Information:					
Device Types: <input checked="" type="checkbox"/> Desktop <input checked="" type="checkbox"/> Tablet <input checked="" type="checkbox"/> Phone					
Parameters:					
<input type="checkbox"/>	Name	Mandatory	Value	Is Regular Expression	Default Value
<input type="checkbox"/>	Enter a name				Target N...

[Save](#) [Cancel](#)

3. Access Tile in Fiori Launchpad : Access to GATEWAY in Dev. environment by opening a web browser and go to the following URL:

<http://host name: port/sap/bc/ui2/flp> or (/ui2/flp)

- Once FLP is loaded, goto "App Finder" under me area.
- Search for the created catalog.
- The new tile created should be available under this catalog with name provided in designer.

- Add the tile under your desired group.
- Go to FLP content area, select group under which tile is added, and you should see the Tile.
- Click on tile and it should launch the corresponding url pointing to current environment (Dev) host address.

Once the changes (Catalog/Role) are transported to other environments(i.e. QAS/PROD), no changes are needed in tile/target mapping if the same system alias is being used, and the url tile would work as expected (i.e. pointing to correct host).

Note: Don't forget to create a Customizing Transport request in Dev. gateway system and assign in Launchpad Designer. Once the changes are assigned in TR we can transport the same to other environments (QAS/PROD).

Fiori Fun at work!

Understanding launchpad object relationship with screenshots

Wednesday, April 18, 2018 4:47 PM

Understanding launchpad object relationship with screenshots

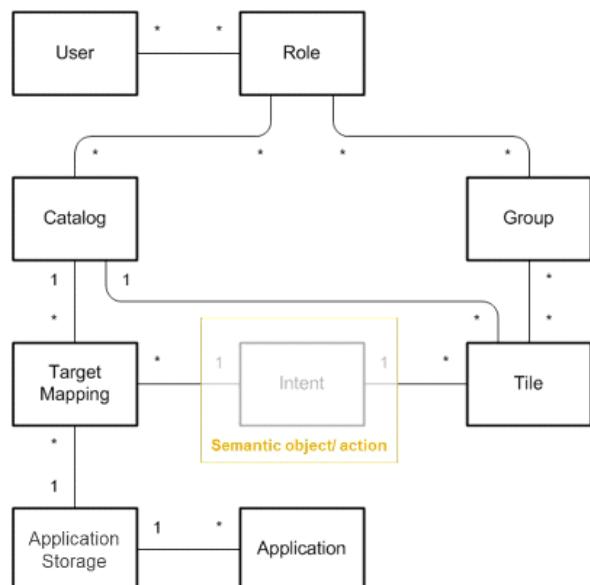
June 16, 2014 | 16,585 Views |



[Masayuki Sekihara](#)

After you create a custom app or extend a standard Fiori app, tile is required for launching the app.

Here are screenshots explain the launchpad objects relationship.



1. User -> Role (Transaction: SU01)
2. Role -> Catalog/Group (Transaction: PFCG)
3. Catalog/Group -> Tile (launchpad designer)
4. Tile -> Intent (launchpad designer, Tile)
5. Semantic Object (Transaction: /UI2/SEMOBJ and /UI2/SEMOBJ_SAP)
6. Intent -> Application Alias (launchpad designer, Target Mapping)
7. Application Alias -> App URL (in LPD_CUST)
Application Alias -> Component ID (in LPD_CUST)
8. App -> Component ID in Configuration.js (Transaction: SE80)

Example app is Approve Purchase Order.

1. User -> Role (Transaction: SU01)

The user has roles SAP_MM_BCR_BUYER_X1 (Group) and SAP_MM_TCR_T_X1 (Catalog).

Maintain Users

User **MASA**

Changed By [] 00:00:00 Status []

Address Logon Data SNC Defaults Parameters Roles P

Reference User []

Role Assignments []

Status Role

- SAP_MM_BCR_BUYER_X1
- SAP_MM_TCR_T_X1
- SAP_UI2_ADMIN_700
- Z_TRUSTED

Group Catalog

Role names are documented in [App catalog](#) of help.sap.com.

Business Role = Group.

Technical Role = Catalog.

Component	Technical Name
Semantic Object	PurchaseOrder
Business Role	SAP_MM_BCR_Buyer_X1
Business Catalog	SAP_MM_BC_Buyer_X1
Business Catalog Group	SAP_MM_BCG_Buyer_X1
Technical Role	SAP_MM_TCR_T_X1
Technical Catalog	SAP_MM_TC_T_X1
LPD_CUST Role	UIX01MM
LPD_CUST Instance	TRANSACTIONAL

2. Role -> Catalog/Group (Transaction: PFCG)

The role SAP_MM_BCR_BUYER_X1 has Menu object Group:SAP_MM_BCG_BUYER_X1.

Display Roles

Role	SAP_MM_BCR_BUYER_X1
Description	Role for MM App Catalog for Role 'Buyer' in the Launchpad
Target System	No destination

Toolbar: Description, **Menu**, Workflow, Authorizations, User, MiniApps, Person

Hierarchy:

- Role Menu
 - Buyer Content (MM)
 - Buyer (MM)**

Node Details:

Type	Group
Object	SAP-UI2-GROUP SAP_MM_BCG_BUYER_X1
Text	Buyer (MM)

3. Catalog/Group -> Tile (launchpad designer)

The catalog has the tile Approve Purchase Order. When the tile is selected in the launchpad, the app should be launched.

Catalogs Groups Buyer Content (MM)

Search ID : SAP_MM_BCG_Buyer_X1

Buyer (MM) SAP_MM_BCG_Buyer_X1	5	Track Purchase Order [Subtitle]	Order from Requisitions [Subtitle]	Approve Purchase Orders [Subtitle]
Cost Manager SAP_FIN_BCG_CostManager_X1	1	[Information]	[Information]	[Information]
Employee SAP_HCM_BCG_Employee_X1	4			
Employee (Travel)				

4. Tile -> Intent (launchpad designer, Tile)

The tile Approve Purchase Order has intent PurchaseOrder-approve. Intent = Semantic Object + Action.

Configure 'Approve Purchase Orders'

General

Title:	Approve Purchase Orders
Subtitle:	
Keywords:	purchase order, approve, workflow, MM
Icon:	sapicon://sales-quote <input type="checkbox"/>
Information:	
Number Unit:	

Dynamic Data

Service URL:	/sap/opu/odata/sap/gbapp_poapproval;mo/LaunchPageCc
Refresh Interval in Seconds:	300

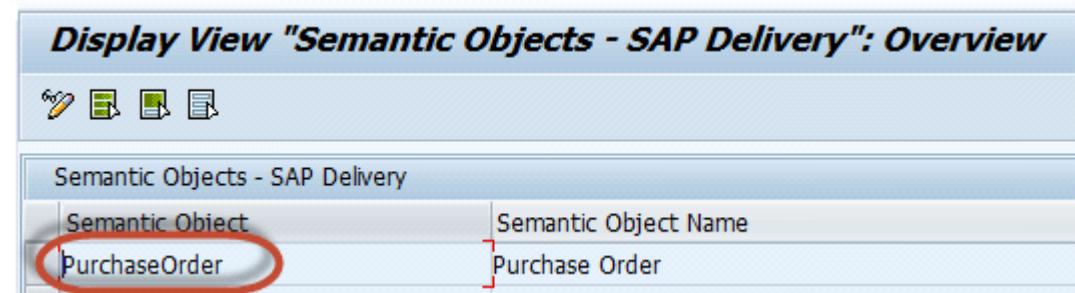
Navigation

Use semantic object navigation:	<input checked="" type="checkbox"/>
Semantic Object:	PurchaseOrder <input type="checkbox"/>
Action:	approve

5. Semantic Object (Transaction: /UI2/SEMOBJ and /UI2/SEMOBJ_SAP)

Semantic Objects are defined in the transaction /UI2/SEMOBJ(for customer) and /UI2/SEMOBJ_SAP(for SAP)

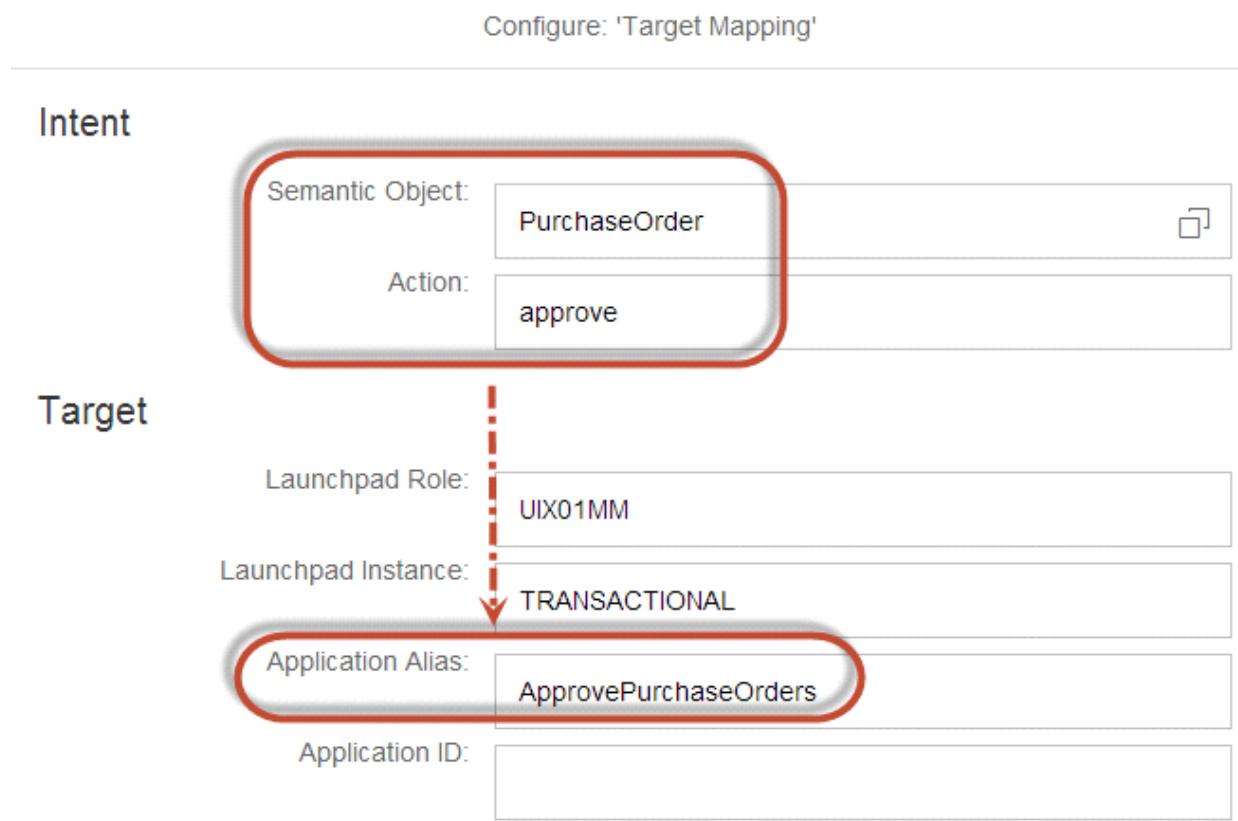
Display View "Semantic Objects - SAP Delivery": Overview



Semantic Object	Semantic Object Name
PurchaseOrder	Purchase Order

6. Intent -> Application Alias (launchpad designer, Target Mapping)

The intent has Application Alias.



7. Application Alias -> App URL (in LPD_CUST)

Application Alias -> Component ID (in LPD_CUST)

The Application Alias is defined in the transaction LPD_CUST. LPD_CUST role is documented in the step 1.

UIROLE	TRANSACTIONAL	Fiori Shipments		
UIX01MM	TRANSACTIONAL	MM Transactional Apps (Wave 1)	0d'	0d'
UIROLE	TRANSACTIONAL	Sales Distribution	0d'	0d'

Application Alias has App URL. URL = /sap/bc/ui5/sap/mm_po_apv.

Additional information has Component ID. SAPUI5.Component=ui.s2p.mm.purchorder.approve

Display Launchpad - Role: UIX01MM Instance: TRANSACTIONAL (EN)

Show Attributes

SAP Version 0000000001

MM Transactional Apps (Wave 1)

- Inactive Applications
- Approve Purchase Requisition
- Approve Purchase Orders**
- Approve Purchase Contract
- Track Purchase Order
- Order Requisition

Link Details

Link Text: Approve Purchase Orders

Description:

Application Type

Application Type: URL

Application Parameter

URL: /sap/bc/ui5_ui5/sap/mm_po_apv

System

System Alias:

Advanced Parameters (Optional)

Hide Advanced (Optional) Parameters

Application - Deactivation by User

Application Cannot be Removed from Launchpad

Application-Related Parameters

Application Alias: ApprovePurchaseOrders

Target App. Parameters:

Suspend/Resume:

Proxy Class:

Additional Information: component=ui.s2p.mm.purchorder.approve

```
graph TD; SAPURL[/sap/bc/ui5_ui5/sap/mm_po_apv] --> ComponentURL[component=ui.s2p.mm.purchorder.approve]; SAPAlias[ApprovePurchaseOrders] --> ComponentID[componentID]
```

8. App -> Component ID in Component.js (Transaction: SE80)

The app mm_po_apv has several Java Script and component ID is defined.

Web Application Builder: Display Page MM_PO_APV

```

1 /*
2  * Copyright (C) 2009-2013 SAP AG or an SAP affiliate company
3  */
4 jQuery.sap.declare("ui.s2p.mm.purchorder.approve.Component");
5 (metadata:sap.ca.scfld.md.ComponentBase.createMetaData("MD"
6 "i18n/i18n.properties","titleResource":"app.Identity","icon":
7 "purchase_Orders/57_iPhone/Desktop_Launch.png","homeScreenIconP
8 "e_Purchase_Orders/72_iPad/Desktop_Launch.png","homeScreenIcon
9 "der.approve.view.S2"},detailPageRoutes:{"detail": {"pattern":
10 "er.approve.view.S4"}, "itemServiceLine": {"pattern": "ItemServ
11 "i_s2p.mm.purchorder.approve.Main", type: sap.ui.core.mvc.ViewType
12 "cribe: function(c,a,d,l){c=p+c;e.unsubscribe(c,a,d,l)}},retur
13
14

```

Alert Moderator

[29 Replies](#)

29 Comments

You must be [Logged on](#) to comment or reply to a post.

1. [Jwala ESS MSS August 9, 2014 at 5:35 am](#)

nice explanation

like (0)

2. [Matt Harding August 18, 2014 at 4:09 am](#)

Hi Masa,

This is a great write up and easy to follow, but I've got one quick question/observation on this. Coming from an NWBC/Portal background, but bringing it into the Launchpad concept, there is typically the need to have a single group (from a user perspective and not from a configuration perspective), let's call it Employee Launchpad.

And typically, depending on the user's specific business roles, the content of the Employee Launchpad is different.

e.g. All employees get Create Leave Request, but if you had shopping rights, you would also get to create shopping cart.

With the above model; would you need 2 groups to do this; and does the Launchpad know to combine "group text names" into a single group shown in the launchpad; or is this something you can do through LPD_CUST or PFCG somehow?

e.g.

User 1:

Employee Launchpad
Create Leave Request

User 2:

Employee Launchpad
Create Leave Request
Create Shopping Cart
Cheers,
Matt
like (0)

1. [Masayuki Sekihara Post author](#)[August 18, 2014 at 5:33 am](#)

I don't know about Employee launchpad. It all depends on Employee launchpad.
Logically, if "a single role" is must requirement, you should create 2 roles and assign 1 role to users.
+ Role HR employee = Group HR employee (Leave Request)
+ Role HR and Proc employee = Group HR employee (Leave Request) + Group Proc employee (Shopping Cart)
If "Employee launchpad" can have multiple roles, you can create 2 groups(2 roles) and assign to users.
+ Role HR employee – Group HR employee (Leave Request)
+ Role Proc employee = Group Proc employee (Shopping Cart)
User X has Role HR employee and Role Proc employee
like (0)

1. [Matt Harding August 18, 2014 at 5:45 am](#)

Thanks for the quick reply – I may have confused you with the Employee Launchpad as all I meant was the grouping name you see when you login to the Launchpad. Regardless, it sounds like it's an all or nothing type of configuration in the launchpad when compared to NWBC/Portal. e.g. There is no aggregation of content based on roles within the groups a user sees. e.g. If you only want 1 "group" name to appear in the Fiori Launchpad, your user should ensure they only get Role HR Employee or Role HR and Proc employee but not both.
Hopefully one of us misunderstood each other as that will make Identity Management more complex than necessary (e.g. assign this role unless they also need this role), or imagine if you had to add 1 more transaction to both of those roles (maintenance would be ugly).
Cheers,
Matt
like (0)

1. [Masayuki Sekihara Post author](#)[August 18, 2014 at 7:52 am](#)

I misunderstood. Question was about some auto aggregation function in the NWBC/Portal.
Could you share some background for aggregation function? What were use cases for end users and benefits?
like (0)

1. [Matt Harding August 18, 2014 at 8:02 am](#)

A picture may help...Imagine 90% of Employees have the following in their Employee Launchpad area of the Fiori Launchpad:

Now if the other 10% also have an additional tile requirement within the Employee Launchpad Group because their business role requires this; the question would be: Does Fiori Launchpad support tiles being added to the one grouping like Employee Launchpad above, via the authorisation that a user has without needing to duplicate tiles.

e.g. In NWBC, I could have a PFCG role which is Z_EMPLOYEE_ALL which is assigned to everyone and gives all employees standard transactions, but I could then add Z_EMPLOYEE_CONTRACTOR (as an example) to all employees also classified as contractors to give them additional transactions within the same menu area.

The specific example I currently have is a team administrator is not a manager but has additional capabilities that other employees that would be good to display in this one grouping.

That's a little use-case I can think of but I'm sure this requirement will become much greater as the number of apps increase and we try to organise this all without thousands of groups appearing in the Fiori Launchpad (and importantly I'm referring to the Groups that appear to an end user and not Security Groups created in the Fiori Admin).

Cheers,

Matt

like (0)

1. [Masayuki Sekihara Post author August 18, 2014 at 8:33 am](#)

Fiori launchpad has following functions. Those functions help end users to have more flexibility and it is close to app management in their smart phone .

1. Users can create personalized groups
2. Users can add apps from catalog
3. Users have own personalized Home group which comes at top of screen.
4. Users can search tiles (apps)

like (0)

1. [Matt Harding August 18, 2014 at 8:40 am](#)

Thanks – And understand all those benefits, but it does need to default to something usable without having to force an end user to design/personalise their launchpad experience; but I guess the point is something like this is not supported currently so you would need to roles with duplicated content to support the above requirement. No dramas, but good to know.

Cheers,

Matt
like (0)

1. [Jens Schwendemann March 3, 2015 at 4:10 pm](#)

Matt, we are currently in stage of setting up FES in a Hub scenario and having the same question. Does the system behave like you said or did you overcome this limitation?

Thanks and kind regards

Jens
like (0)

1. [Matt Harding March 3, 2015 at 11:29 pm](#)

Hi Jens,

What I can say is that FLP has been undergoing lots of changes recently, so it would be worth testing what has been added since this discussion. e.g. Even 6 months ago, they made it easier to visualise the tiles in the group view when previously it was impossible with similar named tiles.

Good luck,

Matt
like (1)

1. [Jens Schwendemann March 30, 2017 at 9:14 pm](#)

Hi Matt,

I know this is an old one, I just stumbled upon this. I think what you want to achieve could (also at that time probably) be done with intent-based navigation and specific target mappings for different user groups, see here for some great write-up.

<https://blogs.sap.com/2016/02/29/sap-fiori-launchpad-control-visibility-of-tiles-by-separation-of-tiles-and-target-mapping/>

Cheers
Jens
like (0)

1. [Matt Harding March 30, 2017 at 10:03 pm](#)

Hi Jens,

Yes it does – and that post was what taught me that many months ago but thanks for following it up. Heavily using that at my current customer.

Cheers,

Matt

like (1)

1. [Jens Schwendemann March 30, 2017 at 10:29 pm](#)

Great news, if only we had this information by the time we setting up our own environment. Went down the path to put every app in it's own catalog in order to granularly assign specific apps to different users

Anyways, will revert to the intent-based nav technique as soon as I find some spare minutes.

BTW: This is also an excellent blog of Jocelyn touching the same topic <https://blogs.sap.com/2017/03/12/leading-s4hana-ux-launchpad-driven-authorizations-part-1-configuring-the-launchpad-role/>

Cheers

like (0)

2. [Aakash Neelaperumal October 14, 2014 at 9:32 am](#)

Hi Masa,

I have a custom Fiori application embedded into Fiori launchpad. Now I don't see a std. feature of adding a tile to

My Home group (“Save Tile”). And also this feature doesn't seem to be built into applications. So could you please help here ?
like (0)

3. [Chitkala Ramakrishna October 15, 2014 at 7:00 am](#)

Hi
Do we have any recomendation for the action to be chosen?
I am referring to Step 6 where we provide action – Approve.
We have a custom application which is non-Approval but has updates to backend
Hence want to know any guidance to provide the values for ‘Action’
Also, is it dependent on the component.js file?
like (0)

4. [Fibeesh Aboobacker November 16, 2014 at 5:51 pm](#)

Dear Masayuki,
We are new to Fiori and we don't know how to trouble shoot the fiori Launchpad. We had done the configuration for Purchase order approval. After all configuration we are getting the following error in SAP fiori Launchpad. Any valuable information to solve this issue is highly appreciated.
Regards,
Fibeesh
like (0)

1. [Masayuki Sekihara Post author November 17, 2014 at 5:15 am](#)

[SAP Fiori – SAP Fiori launchpad troubleshooting](#) may help.

like (0)

1. [Fibeesh Aboobacker November 17, 2014 at 2:37 pm](#)

Thank you masayuki,
We cleared the metadata cache and it's worked. But in the Launchpad its show the purchase order count as zero and we are trying to fix this issue

Regards,
Fibeesh
like (0)

5. [Georgie Nushev March 5, 2015 at 9:54 am](#)

Hi Masa,
If i don't have a Component.js, does that mean i don't need to fill out the “Additional

Information" field?

Regards,
Georgi
like (0)

1. [Masayuki Sekihara](#) Post author [March 5, 2015 at 10:34 am](#)

Please take a look at [How to get your SAP UI 5 apps to work like SAP Fiori Apps in SAP Fiori Launchpad.](#)

like (0)

6. [Srikanth Subramani](#) [July 13, 2015 at 9:16 am](#)

Hello [Masayuki Sekihara](#),

I was gone through your blog and tried to access PO Approval application in fiori launchpad. But finally i end up with the error while loading the tile. And also no catalog or group added as you mentioned in step 3.

Best regards
Srikanth S
like (0)

1. [Masayuki Sekihara](#) Post author [July 13, 2015 at 9:29 am](#)

Please create a new [Discussion](#).

like (0)

1. [Srikanth Subramani](#) [July 13, 2015 at 11:45 am](#)

Yes Masayuki Sekihara,
I have created new discussion.
[Fiori Launchpad PO Approval](#)
Regards
Srikanth S
like (0)

7. ['Pavan' Golesar](#) [March 29, 2016 at 4:14 am](#)

Again a fantastic post masa.
Regards,
Pavan G
like (0)

8. [Tanveer Shaikh November 25, 2017 at 7:58 pm](#)

Hi [Masayuki Sekihara](#)

Is there a way to pass parameters between apps using intent based navigation and semantic objects?

I am using Webide and can see routing and navigation tabs in manifest.json files, but did not find any good documentation or how to document on how to navigate + pass parameters for app to app navigation.

Thanks,

Tanveer

like (0)

1. [Masayuki Sekihara Post author November 27, 2017 at 2:27 am](#)

Here you go. [Handling Startup Parameters](#). You can utilize a search engine by searching "cross app navigation".

like (0)

9. [Bilen Cekic January 23, 2018 at 2:41 am](#)

hi Masayuki, great post first of all!.

I have installed FES 4.0 on my system and i can launch my app as a separate standalone app without problem but if i try to write my componentID and a dummy Semantic Name (since it is not suggested to use lpd_cust semantics anymore) and an action on my tile mapping, tile doesn't give any reaction. it is there but it doesn't do anything. Where can be problem ? When i inspect element, a href link is empty. If i manually change url to #SEMANTIC-ACTION, it gives error.

When i check the /UI2/FLIA tcode, i can see my semantic name there but PFCG profile section is empty. I already gave access to that group from the pfcg role and my username is there. Where can be the problem ? Is there a specific place to map semantic objects to roles ?

like (0)

1. [Bilen Cekic January 23, 2018 at 3:19 am](#)

somewhat i can't edit my post, here is the update;

ok i found out that i didn't add CATALOG to PFCG i only added group. Now problem is; i can see my component.js there but when i enter url /sap/bc/ui5/_ui5/sap/zfioritest/component.js it says cannot find :/

I am comparing my application with a working application and it doesn't have "page with flow logic" folder. I deployed using eclipse.

like (0)

1. [Bilen Cekic January 23, 2018 at 5:34 am](#)

alright i found the problem. i moved all my files under webcontent and it is working fine.

there are 302468523 number of tutorials and i am going to prepare a clean step by

step “how to make your hello world application work like a sap fiori app for fes 4.0”
tutorial. I have 432341 number of chrome tabs open right now just to find a simple
problem ah :/ anyway
Thank you Masayuki.
like (0)

Leave a Reply

You must be [logged in](#) to post a comment.

Share & Follow

[Privacy](#)

[Terms of Use](#)

[Legal Disclosure](#)

[Copyright](#)

[Trademark](#)

[Sitemap](#)

[Newsletter](#)

Visual Text

Paragraph

Inserted from <<https://blogs.sap.com/2014/06/16/understanding-launchpad-object-relationship-with-screenshots/>>

From Zero to Fiori Launchpad and one custom app in 30 minutes

Monday, April 24, 2017 12:16 PM

<https://www.youtube.com/watch?v=FisqxkbWIYc&feature=youtu.be>



FromZeroto
FioriLaun...

How to Guide: SAP Fiori Extensibility-Adding Custom Fields in OData

Thursday, February 22, 2018

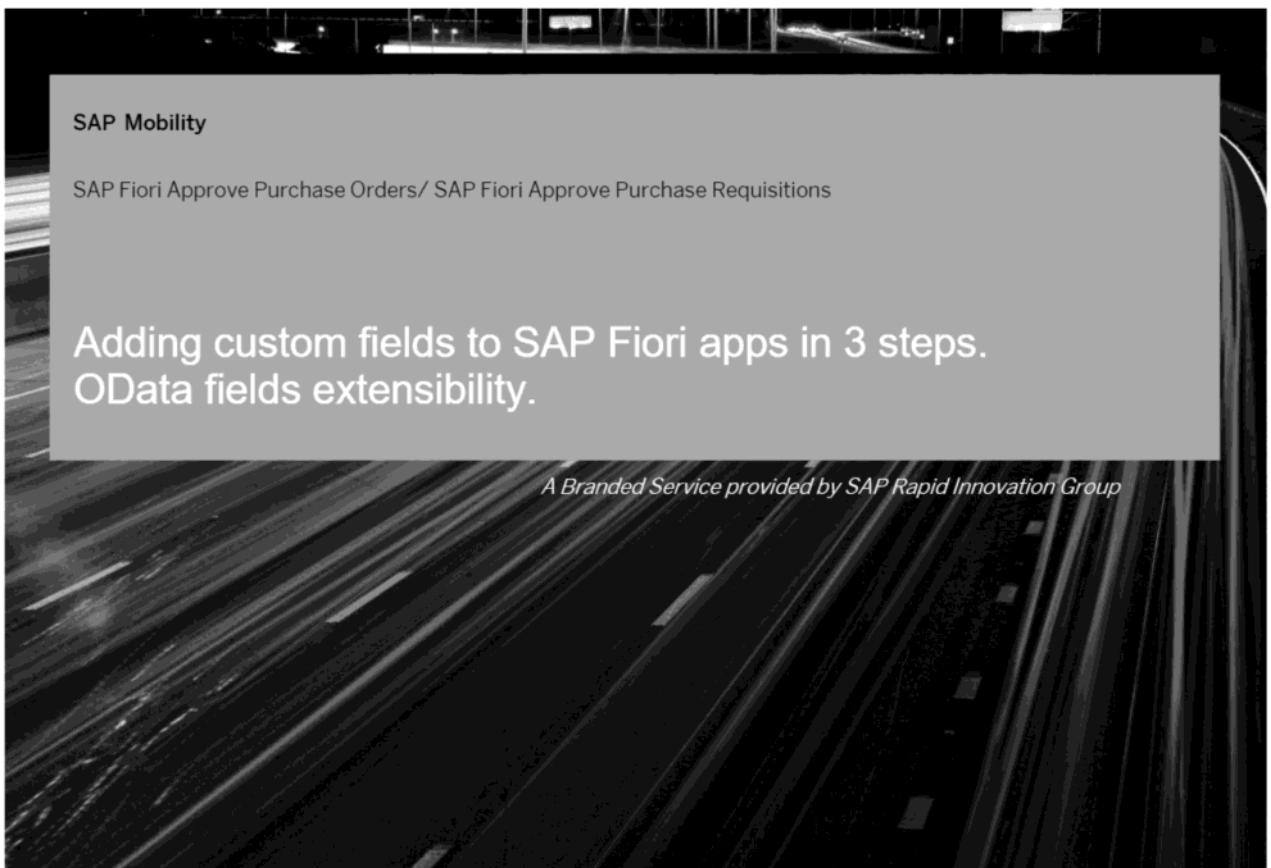
How to Guide: SAP Fiori Extensibility-Adding Custom Fields in OData

Adding custom fields in SAP Fiori apps UI is a common requirement from customers. Customers have custom fields in ERP backend applications. You are a consultant to enable those customer fields in SAP Fiori apps. This how to guide give you detail steps for adding custom fields in OData. [Download the Document](#)

Inserted from <<https://www.sap.com/documents/2015/08/9ccbe927-5a7c-0010-82c7-eda71af511fa.html>>



How to
Guide_S...



Applicable Releases:

SAP Fiori Approve Purchase Orders 1.0
SAP Fiori Approve Purchase Requisitions 1.0
SAP NetWeaver Gateway 2.0 SP 06

Version 1

June 2013



© Copyright 2013 SAP AG. All rights reserved.

Business Objects and the Business Objects logo, BusinessObjects, Crystal Reports, Crystal Decisions, Web Intelligence, Xcelsius, and other Business Objects products and services mentioned herein as well as their respective logos are trademarks or registered trademarks of Business Objects Software Ltd. Business Objects is an SAP company.

SAP "How-to" Guides are intended to simplify the product implementation. While specific product features and procedures typically are explained in a practical business context, it is not implied that those features and procedures are the only approach in solving a specific business problem using SAP NetWeaver. Should you wish to receive additional information, clarification or support, please refer to SAP Consulting.

Any software coding and/or code lines / strings ("Code") included in this documentation are only examples and are not intended to be used in a productive system environment. The Code is only intended better explain and visualize the syntax and phrasing rules of certain coding. SAP does not warrant the correctness and completeness of the Code given herein, and SAP shall not be liable for errors or damages caused by the usage of the Code, except if such damages were caused by SAP intentionally or grossly negligent.

Disclaimer

Some components of this product are based on Java™. Any code change in these components may cause unpredictable and severe malfunctions and is therefore expressly prohibited, as is any decompilation of these components.

Any Java™ Source Code delivered with this product is only to be used by SAP's Support Services and may not be modified or altered in any way.



Document History

Document Version	Description
------------------	-------------

1	The first release version



Typographic Conventions

Type Style	Description
<i>Example Text</i>	Words or characters quoted from the screen. These include field names, screen titles, pushbuttons labels, menu names, menu paths, and menu options. Cross-references to other documentation
Example text	Emphasized words or phrases in body text, graphic titles, and table titles
Example text	File and directory names and their paths, messages, names of variables and parameters, source text, and names of installation, upgrade and database tools.
Example text	User entry texts. These are words or characters that you enter in the system exactly as they appear in the documentation.
<Example text>	Variable user entry. Angle brackets indicate that you replace these words and characters with appropriate entries to make entries in the system.
EXAMPLE TEXT	Keys on the keyboard, for example, F2 or ENTER.

Icons

Icon	Description
	Caution
	Note or Important
	Example
	Recommendation or Tip



The Best-Run Businesses Run SAP™

Table of Contents

1.	Business scenario	1
1.1	Sample scenario	1
1.2	Prerequisites	1
2.	Architecture	2
2.1	Overview	2
2.2	Test OData services [Gateway]	3
3.	Implementation	6
3.1	Step 1 . Extend the OData Entity in the GW Model Provider by implementing BAdI [ERP]	6
3.2	Step 2 . Extend the corresponding ABAP DDIC Structure by Append Structure [ERP]	6
3.3	Step 3. Fill data to the custom fields in the GW Data Provider by implementing BADI [ERP]	12
4.	Test the OData service	17
4.1	Check the OData service - Before	17
4.2	Clear the Cache	17
4.3	Test the OData service - after	17
4.4	UI extensibility	18



1. Business scenario

Adding custom fields in SAP Fiori apps UI is common requirement from customers. Customers have custom fields in ERP backend applications. You are a consultant to enable those customer fields in SAP Fiori apps.

There are 2 how to guides for adding custom fields.

- Part 1: Adding custom fields to SAP Fiori apps in 3 steps. OData fields extensibility.
- Part 2: Adding custom fields to SAP Fiori apps. UI fields extensibility.

1.1 Sample scenario

In this How to Guide we will show you how to add the "Purchasing Group" field in SAP Fiori Approve Purchase Orders.

The screenshot shows the SAP Fiori Approve Purchase Orders application. On the left, there is a list of purchase orders with details like amount and date. On the right, a detailed view of a specific purchase order is shown. The detailed view includes fields for Purchasing Group (ZOO), Purchase Order number (4500017996), Account Assignment (Cost Center 1110 Executive Board), G/L Account (400000 Consumption, raw material 1), Delivery Date (August 17, 2013), Plant (Werk Hamburg), Payment Terms (14 days 3%, 30/2%, 45 net), Incoterms (EXW from plant; Wallendorf), and Company Code (IDES AG (1000)). At the bottom, there is a table for 'Items (1)' with columns for Description, Quantity, and Subtotal. The 'Description' column shows 'LAT Test: casing'. At the bottom right, there are 'Approve' and 'Reject' buttons.

Implementation steps are in 3 steps.

1. Extend the corresponding ABAP DDIC Structure by Append Structure
2. Extend the OData Entity in the GW Model Provider by implementing BADI
3. Fill data to the custom fields in the GW Data Provider by implementing BADI

Steps are also same for SAP Fiori Approve Purchase Requisitions.

Note: The standard delivered BADI is different in each app. Please look at the Installation and Configuration Guide in the <http://help.sap.com/fiori> and also look at details in the transaction SE18 and SE80

1.2 Prerequisites

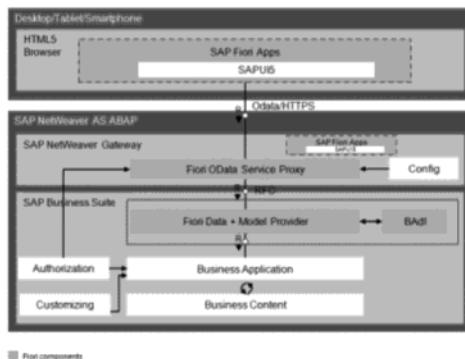
- SAP Fiori Approve Purchase Order is up and running.
- You have ABAP programming knowledge.

2. Architecture

2.1 Overview

The OData components are installed on SAP Business Suite backend.

Architecture – SAP Fiori components

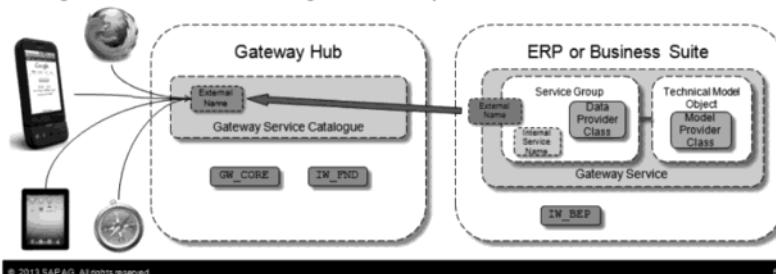


It has Model Provider Class and Data Provider Class and methods have enhancement spots which call BAdI (Business Add In) implementations.

Gateway Service Catalogue

A Gateway Service is always developed in whichever server has component IW_BEP installed. (This will typically be your backend server).

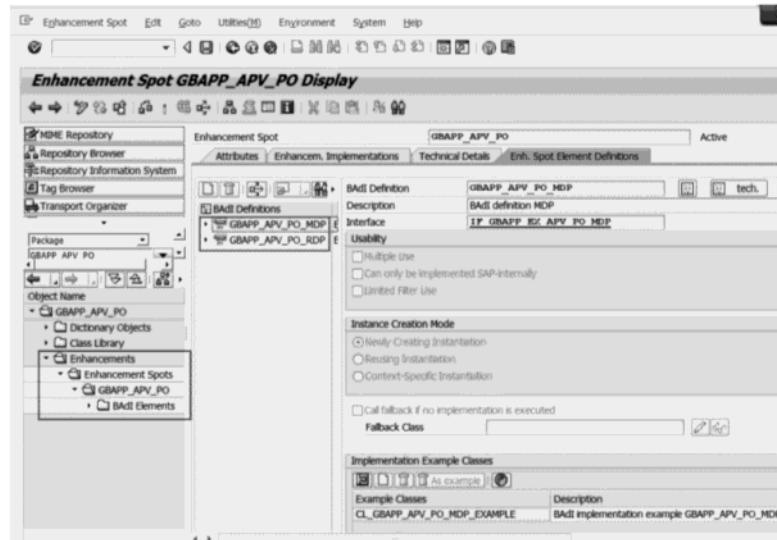
In order to expose our Gateway Service to the outside world, we must create an entry in the Service Catalogue on whichever server is acting as the Gateway Hub.



You can check the enhancement details in SE80 or SE18.

Transaction: SE80

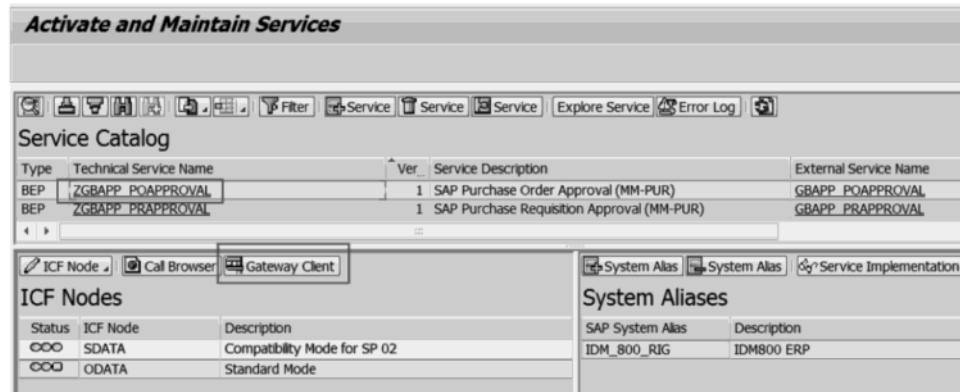
Package: GBAPP_APV_PO



2.2 Test OData services [Gateway]

1. Logon to NetWeaver Gateway system and call transaction /IWFM/MAINT_SERVICE. Logon user should be the approver who has workitems for approving Purchase Orders. Test OData using Gateway Client tool.

Transaction: /IWFM/MAINT_SERVICE



2. Test the \$metadata.

/sap/opu/odata/SAP/GBAPP_POAPPROVAL/\$metadata



SAP NetWeaver Gateway Client

HTTP Method: GET Request URI: /sap/opu/odata/SAP/GBAPP_POAPPROVAL/\$metadata

HTTP Response

```

Header Name Value
~status_code 200
~status_reason OK

<?xml version="1.0" encoding="utf-8" ?>
- <edmx:Edmx Version="1.0" xmlns:edmx="http://schemas.microsoft.com/ado/2007/06/edmx"
  xmlns:m="http://schemas.microsoft.com/ado/2007/08/dataservices/metadata"
  xmlns:sap="http://www.sap.com/Protocols/SAPData">
- <edmx:DataService m:DataServiceVersion="2.0">
- <Schema Namespace="GBAPP_POAPPROVAL" xml:lang="en"
  xmlns="http://schemas.microsoft.com/ado/2008/09/edmx">
+ <EntityType Name="Subscription" sap:semantics="subscriptions" sap:content-version="1">
+ <EntityType Name="Notification" sap:semantics="notifications" sap:content-version="1">
+ <EntityType Name="WorkflowTask" sap:content-version="1">
+ <EntityType Name="HeaderDetail" sap:content-version="1">
+ <Key>
  <Property Name="HeaderInfo" Type="GBAPP_POAPPROVAL.HeaderInfo" Nullable="false" />
<Property Name="WorkitemID" Type="Edm.String" MaxLength="12" sap:label="ID" />
<Property Name="PoNumber" Type="Edm.String" Nullable="false" MaxLength="10" sap:label="Doc." />

```

There is no Property for "Purchasing Group" in Header detail.

3. Test the OData service and check collections.

/sap/opu/odata/SAP/GBAPP_POAPPROVAL?\$format=xml

SAP NetWeaver Gateway Client

HTTP Method: GET Request URI: /sap/opu/odata/SAP/GBAPP_POAPPROVAL?\$format=xml

HTTP Response

```

Header Name Value
~status_code 200
~status_reason OK

+ <app:collection sap:creatable="false" sap:updatable="false" sap:deletable="false" sap:addressable="false"
  version="1" href="LimitCollection">
+ <app:collection sap:creatable="false" sap:updatable="false" sap:deletable="false" sap:addressable="false"
  version="1" href="PricingConditionCollection">
+ <app:collection sap:content-version="1" href="ForwardingAgentCollection">
+ <app:collection sap:requires-filter="true" sap:content-version="1" href="AttachmentCollection">
+ <app:collection sap:content-version="1" href="NoteCollection">
+ <app:collection sap:content-version="1" href="SupplierContactCollection">
+ <app:collection sap:content-version="1" href="AccountingCollection">
+ <app:collection sap:content-version="1" href="SubscriptionCollection">
+ <app:collection sap:content-version="1" href="NotificationCollection">
+ <app:collection sap:creatable="false" sap:updatable="false" sap:deletable="false" sap:addressable="false"
  version="1" href="WorkflowTaskCollection">
+ <app:collection sap:creatable="false" sap:updatable="false" sap:deletable="false" sap:addressable="false"
  version="1" href="HeaderDetailCollection">
</app:workspace>

```

4. Get a workitem ID

/sap/opu/odata/SAP/GBAPP_POAPPROVAL/WorkflowTaskCollection?\$filter=TaskType eq 'TS20000166'&\$top=1

Adding custom fields to SAP Fiori apps in 3 steps. OData fields extensibility.

SAP NetWeaver Gateway Client

HTTP Method: GET Request URI: /sap/opu/odata/SAP/GBAPP_POAPPROVAL/WorkflowTaskCollection?\$filter=TaskType eq 'TS20000166'&\$top=1

Header Name Value
~status_code 200
~status_reason OK

```
<id>http://usphirig21.phl.sap.corp:8000/sap/opu/odata/SAP/GBAPP_POAPPROVAL/WorkflowTaskC('000001105834')</id>
<title type='text'>WorkflowTaskCollection('000001105834')</title>
<updated>2013-06-22T03:12:18Z</updated>
<category term="GBAPP_POAPPROVAL.WorkflowTask">
  scheme="http://schemas.microsoft.com/ado/2007/08/dataservices/scheme" />
  <link href="WorkflowTaskCollection('000001105834')" rel="self" title="WorkflowTask" />
  <link href="WorkflowTaskCollection('000001105834')/HeaderDetails" rel="http://schemas.microsoft.com/ado/2007/08/dataservices/related/HeaderDetails" type="application/atom+xml;type=entry" title="HeaderDetails" />
<content type="application/xml">
  - <m:properties>
    <d:WorkItemID>000001105834</d:WorkItemID>
    <d:TaskType>TS20000166</d:TaskType>
    <d:PoNumber>4500017385</d:PoNumber>
    <d:PoNumberFormatted>4500017385</d:PoNumberFormatted>
```

5. Get the Purchase Order detail
`/sap/opu/odata/sap/GBAPP_POAPPROVAL/WorkflowTaskCollection('000001105834')/HeaderDetails?$expand=ItemDetails,Notes,Attachments`

SAP NetWeaver Gateway Client

HTTP Method: GET Request URI: /sap/opu/odata/sap/GBAPP_POAPPROVAL/WorkflowTaskCollection('000001105834')/HeaderDetails?\$expand=ItemDetails,Notes,Attachments

Header Name Value
~status_code 200
~status_reason OK

```
<d:CreatedBy>I003866</d:CreatedBy>
<d:CreatedByName>I003866</d:CreatedByName>
<d:NumberOfNotes>0</d:NumberOfNotes>
<d:NumberOfAttachments>0</d:NumberOfAttachments>
<d:Value>1023.00</d:Value>
<d:Currency>EUR</d:Currency>
<d:SupplierID>1000</d:SupplierID>
<d:SupplierName>C.E.B. BERLIN</d:SupplierName>
<d:NumberOfItems>1</d:NumberOfItems>
<d:Plant>1000</d:Plant>
<d:PlantName>Werk Hamburg</d:PlantName>
<d:DeliveryDate>2013-08-31T00:00:00</d:DeliveryDate>
<d:DeliveryDateAlsoLater />
</m:properties>
</content>
</entry>
```

No Purchasing Group

At the end of this How to Guide, you see Purchasing Group data in here. It means the OData service provides Purchasing Group value and HTML5 UI can consume it.

3. Implementation

3.1 Step 1 . Extend the corresponding ABAP DDIC Structure by Append Structure [ERP]

In the step 1 , you are going to add the field „Purchasing Group“ in the structure of entity.

1. Open the structure

Transaction: SE80

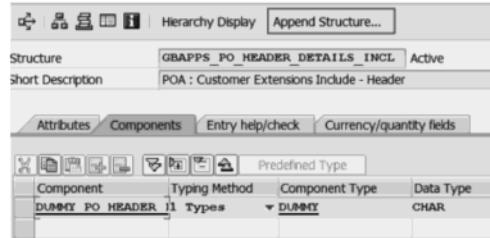
Structure: GBAPPS_PO_HEADER_DETAILS and GBAPPS_PO_WORKFLOW_TASK

The screenshot shows the SAP SE80 Object Navigator. In the left pane, under 'Object Navigator' and 'Package', the package 'GBAPP_APV_PO' is selected. In the main pane, the 'Structures' section is expanded, showing a list of structures such as GBAPPS_APV_PO_IT_X_HNI, GBAPPS_APV_PO_IT_X_JANPA, GBAPPS_APV_PO_IT_X_LIAC, GBAPPS_APV_PO_IT_X_SUPCON, GBAPPS_APV_PO_IT_X_SVAC, GBAPPS_PO_ACC_DETAILS, GBAPPS_PO_ACC_DETAILS_INCL, GBAPPS_PO_APPROVAL_DECISION, GBAPPS_PO_APPROVAL_RESULT, GBAPPS_PO_HEADER_ACC_DETAIL, and GBAPPS_PO_HEADER_DETAILS. The structure 'GBAPPS_PO_HEADER_DETAILS' is highlighted with a yellow background.

2. Double click the include GBAPPS_PO_HEADER_DETAILS_INCL.

The screenshot shows the SAP SE80 structure editor for the structure 'GBAPPS_PO_HEADER_DETAILS'. The 'Components' tab is selected. Under the 'INCLUDE' component, it shows '1 Types' and 'GBAPPS_PO_HEADER_DETAILS_INCL' is listed. Other components like 'DELIVERY_DATE_A', 'HEADER_INFO', and 'DUMMY_PO_HEADER...' are also listed.

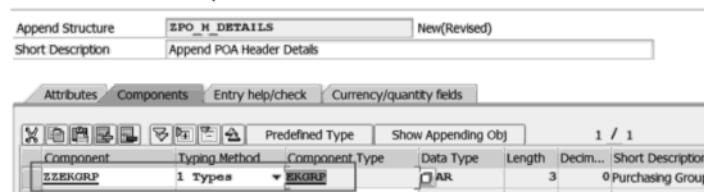
3. Select the „Append Structure...“ button.



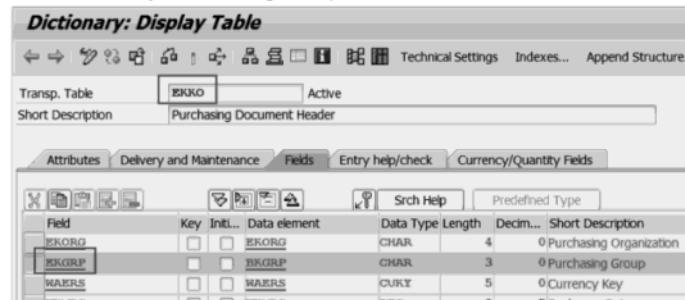
- Enter the Append name. For example ZPO_H_DETAILS..



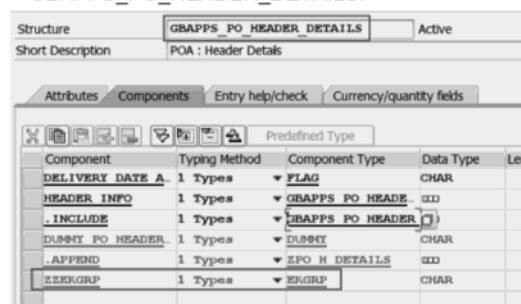
- Add field. For example ZZEKGRP.



Information only: Purchasing Group field „EKGRP“ is in the table „EKKO“.



- Activate the Append Structure. You should see the ZZEKGRP in the Structure GBAPPS_PO_HEADER_DETAILS.



- Repeat same steps for GBAPPS_PO_WORKFLOW_TASK structure. There is include GBAPPS_PO_WORKFLOW_TASK_INCL.

Structure		GRAPPS PO WORKFLOW TASK		Active
Short Description		POA : WorkFlow Task List		
		Attributes Components Entry help/check Currency/quantity fields		
				Predefined Type
Component	Typing Method	Component Type	Data Type	
<u>SUPPLIER_ID</u>	1 Types	LIPNR	CHAR	
<u>SUPPLIER_NAME</u>	1 Types	NAMEL GP	CHAR	
<u>AGG_ITEM_DESC</u>	1 Types	STRINGVAL	STRING	
<u>SEARCH_FOR_TEXT</u>	1 Types	STRINGVAL	STRING	
<u>.INCLUDE</u>	1 Types	GRAPPS_PO_WORKFL	DD	
<u>DUMMY_PO_WORKFL</u>	1 Types	DUMMY	CHAR	
<u>.APPEND</u>	1 Types	ZPO_WF_TASK	DD	
<u>ZZEKGGRP</u>	1 Types	EKGRP	CHAR	

3.2 Step 2 . Extend the OData Entity in the GW Model Provider by implementing BAdI [ERP]

In the step 2, you are going to implement a BAdI method which adds “Purchasing Group” property in the Model Provider class.

- #### 8. Display Enhancement Spot

Transaction: SE18

Enhancement Spot: GBAPP_APV_PO

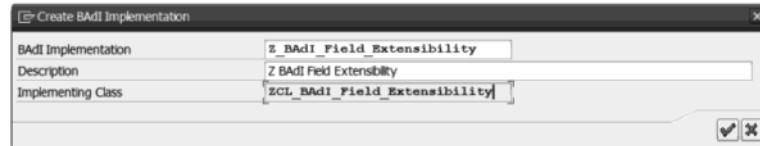
A screenshot of the SAP BADI Builder interface. The title bar reads "BADI Builder: Initial Screen for Definitions". Below the title bar is a toolbar with icons for back, forward, search, and help. A search bar contains the text "GBAPP_APV_PO".

9. Right click on Implementations and select "Create BAdI Implementation".

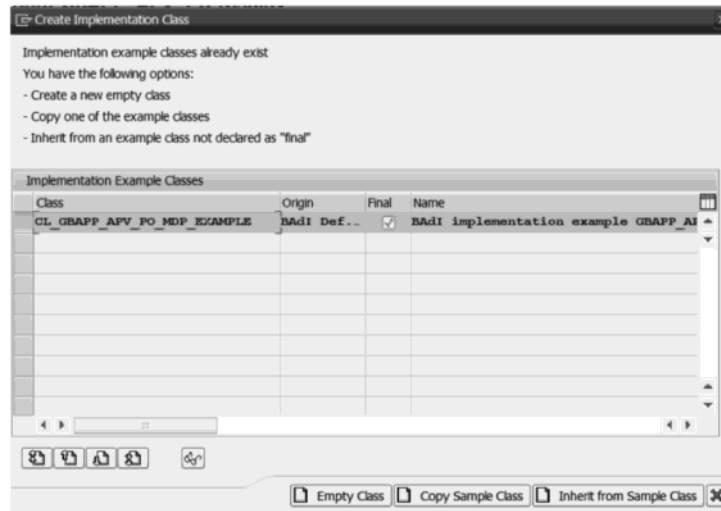
- #### 10. Type Enhancement Implementation name

Z EI Field Extensibility
Z Field Extensibility - Purchasing Group

- #### 11. Type BAdI Implementation name

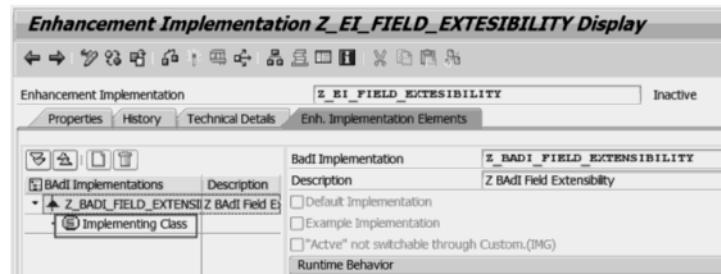


You have option for copying the sample class. In this guide, we copy the sample class.

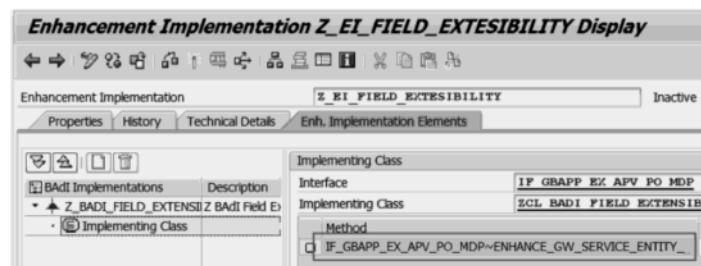


12. Implement the DAdI

Double click the Implementing Class.



Double click the method.



You see the sample code with comments.

Class Builder: Class ZCL_BADI_FIELD_EXTENSIBILITY Display

```

Method IF_GBAPP_EX_APV_PO_MDP-ENHANCE_GW_SERVICE_ENTITY_MDP [Inactive]
32: * DATA: lo_property TYPE REF TO /iwbep/if_mgw_odata_property.
33: *
34: *
35: *
36: * IF      iv_entity_type_name = 'WorkflowTask'.
37: *   lo_property = io_entity_type->create_property( iv_property_name = 'CashDiscount1'    iv_abap_fieldname = 'CashDiscount1' ). 
38: *   lo_property->set_nullable( abap_true ). 
39: ** ... etc
40: *
41: *   lo_property = io_entity_type->create_property( iv_property_name = 'ProcCardCompany' iv_abap_fieldname = 'ProcCardCompany' ). 
42: *   lo_property->set_nullable( abap_true ). 
43: ** ... etc
44: *
45: *   lo_property = io_entity_type->create_property( iv_property_name = 'ProcCardNr'           iv_abap_fieldname = 'ProcCardNr' ). 
46: *   lo_property->set_nullable( abap_true ). 
47: ** ... etc
48: *
49: * ELSEIF iv_entity_type_name = 'Header'.
50: ** ... etc
51: - * ENDIF.
52:
53:
54: **** You need also to extend the related bind structure with the new defined fields.
55: * E.g. for Entity 'WorkflowTask' -> the bind structure 'GBAPPS_PO_WORKFLOW_TASK'
56:

```

13. Go to change mode and add "ZPurchasingGroup" property in both entity "WorkflowTask" and "HeaderDetail".

The UI screenshot helps you to understand why you handle 2 entity types.



Remember that you have looked at the meta data definition in the section 2.2.



SAP NetWeaver Gateway Client

HTTP Method: GET Request URI: /sap/opu/odata/sap/GBAPP_POAPPROVAL/\$metadata?sap-documentation=all

Test Group: Test Case

HTTP Response

Header Name	Value
status_code	200
status_reason	OK

```

1  <?xml version="1.0" encoding="utf-8" ?>
- <edmx:Edmx Version="1.0" xmlns:edmx="http://schemas.microsoft.com/ado/2007/06/edmx"
  xmlns:m="http://schemas.microsoft.com/ado/2007/08/dataservices/metadata"
  xmlns:sap="http://www.sap.com/Protocols/SAPData">
- <edmx:DataServices m:DataServiceVersion="2.0">
- <Schema Namespace="GBAPP_POAPPROVAL" xml:lang="en" xmlns="http://schemas.microsoft.com/ado
  + <EntityType Name="Subscription" sap:semantics="subscriptions" sap:content-version="1">
  + <EntityType Name="Notification" sap:semantics="notifications" sap:content-version="1">
  + <EntityType Name="WorkflowTask" sap:content-version="1">
  □ <EntityType Name="HeaderDetail" sap:content-version="1">
    - <Key>
      <PropertyRef Name="PoNumber" />
    </Key>
    <Property Name="HeaderInfo" Type="GBAPP_POAPPROVAL.HeaderInfo" Nullable="false" />
    <Property Name="WorkitemId" Type="Edm.String" MaxLength="12" sap:label="ID" />
    <Property Name="PoNumber" Type="Edm.String" Nullable="false" MaxLength="10" sap:label="Purchasi

```

Program Code:

```

METHOD if_gbapp_ex_apv_po_mdp~enhance_gw_service_entity_mdp.

DATA: lo_property  TYPE REF TO /iwbepl/if_mgw_OData_property.

IF iv_entity_type_name = 'HeaderDetail' OR
   iv_entity_type_name = 'WorkflowTask'.

  lo_property = io_entity_type-
  >create_property( iv_property_name = 'ZPurchasingGroup' iv_abap_fieldname = 'ZZEKGRP' ).
  lo_property->set_nullable( abap_true ).

ENDIF.

ENDMETHOD.

```

Class Builder: Class ZCL_BADI_FIELD_EXTENSIBILITY Change

Method: IF_GBAPP_EX_APV_PO_MDP~ENHANCE_GW_SERVICE_ENTITY_MDP

```

1  METHOD if_gbapp_ex_apv_po_mdp~enhance_gw_service_entity_mdp.
2
3  DATA: lo_property  TYPE REF TO /iwbepl/if_mgw_o_data_property.
4
5  IF iv_entity_type_name = 'HeaderDetail' OR
6    iv_entity_type_name = 'WorkflowTask'.
7
8    lo_property = io_entity_type->create_property( iv_property_name = 'ZPurchasingGroup' iv_abap_fieldname
9    lo_property->set_nullable( abap_true ).
10
11  ENDIF.
12
13  ENDMETHOD.

```

14. Activate the method.

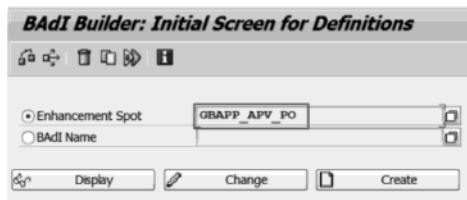
3.3 Step 3. Fill data to the custom fields in the GW Data Provider by implementing BADI [ERP]

In the step 3, you are going to implement a BADI method which fills "Purchasing Group" value in the Data Provider class.

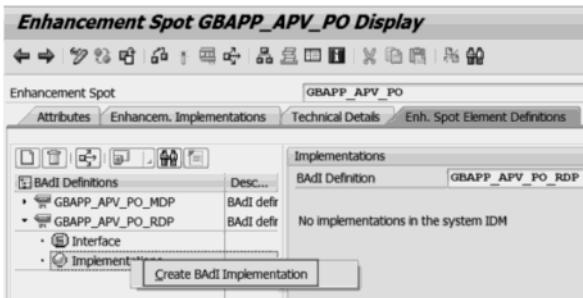
1. Open the Enhancement Spot.

Transaction: SE18

Enhancement Spot: GBAPP_APV_PO



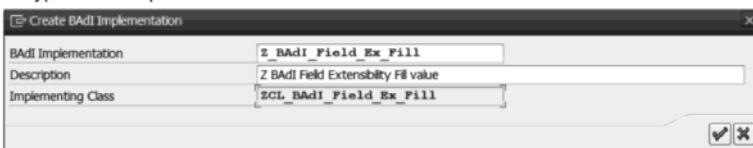
2. Right click on Implementations and select "Create BADI Implementation".



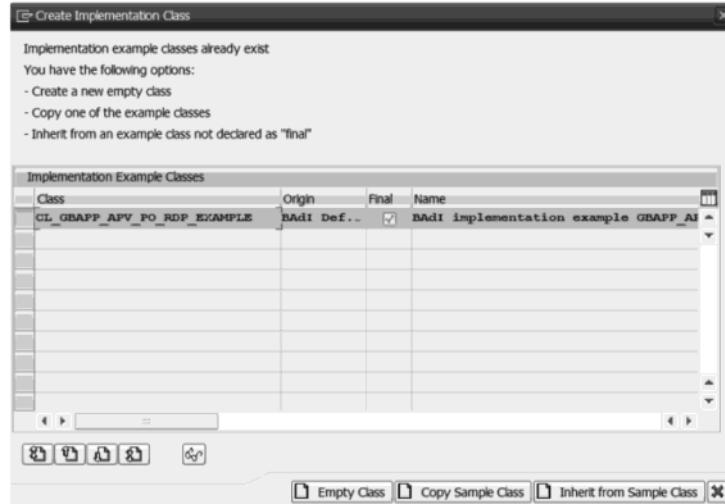
3. You can use same Enhancement Implementation created in the step 1.



4. Type BADI Implementation name

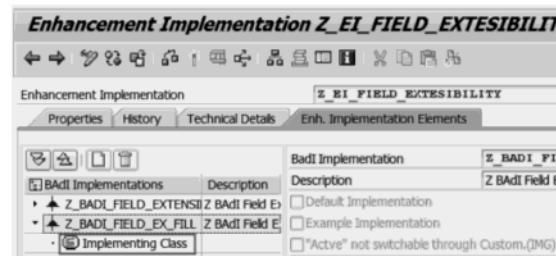


You have option for copying the sample class. In this guide, we copy the sample class.



5. Implement the BAdI

Double click the Implementing Class.



Double click the method CHANGE_HEADER_DETAILS_INFO_API.



You see the sample code with comments.

Class Builder: Class ZCL_BADI_FIELD_EX_FILL Display

```

Method IF_GBAPP_EX_APV_PO_RDP~CHANGE_HEADER_DETAILS_INFO_API Inactive
1  METHOD IF_GBAPP_EX_APV_PO_RDP~CHANGE_HEADER_DETAILS_INFO_API.
2
3  * Intended use:
4  * Customer uses the BAdI Enhancement Framework for own content / logik
5
6  * Here you can change/enhance the data, which is retrieved for the GET call for
7  * the Purchase Order Details.
8
9  * Note: If you need to process additional PO data, you can do the changes here
10
11 ENDMETHOD.

```

- Check the Method definition and find the field you have to fill the value.

Select the menu Goto -> Method Definition.

The screenshot shows the SAP Class Builder interface. A context menu is open over the method definition code, with the option 'Method Definition' selected. The main window displays the class definition for 'EX_FILL Display' with the method 'IF_GBAPP_EX_APV_PO_RDP~CHANGE_HEADER_DETAILS_INFO_API'. The method code is as follows:

```

Method IF_GBAPP_EX_APV_PO_RDP~CHANGE_HEADER_DETAILS_INFO_API Inactive
1  METHOD IF_GBAPP_EX_APV_PO_RDP~CHANGE_HEADER_DETAILS_INFO_API.
2
3  * Intended use:
4  * Customer uses the BAdI Enhancement Framework for own content / logik
5
6  * Here you can change/enhance the data, which is retrieved for the GET call for
7  * the Purchase Order Details.
8
9  * Note: If you need to process additional PO data, you can do the changes here
10
11 ENDMETHOD.

```

The 'Attributes' tab of the method definition is selected, showing parameters:

Parameter	Type	Pa... O...	Typing M...	Associated Type
IV_WORKITEM_ID	Importn...	<input type="checkbox"/>	<input type="checkbox"/>	SW_WIID
IV_USER_NAME	Importn...	<input type="checkbox"/>	<input type="checkbox"/>	SYUNAME
IV_PO_NUMBER	Importn...	<input type="checkbox"/>	<input type="checkbox"/>	EBELN
CS_HEADER_DETAILS_X	Changing	<input type="checkbox"/>	<input type="checkbox"/>	GBAPPS_APV_PO_IT_X_HNI

- Open a new session and check the structure GBAPPS_APV_PO_IT_X

ABAP Dictionary: Initial Screen

The screenshot shows the ABAP Dictionary initial screen. The search results for the data type 'GBAPPS_APV_PO_IT_X_HNI' are displayed. The results table includes columns for 'Type', 'Name', and 'Associated Type'. One result is shown:

Type	Name	Associated Type
GBAPPS_APV_PO_IT_X_HNI		

ZZEKGRP is there.

Dictionary: Display Structure																																																																												
Hierarchy Display Append Structure...																																																																												
Structure	GBAPPS_APV_PO_IT_X_HNI		Active																																																																									
Short Description	POA : Header Details Nested Structure																																																																											
Attributes Components Entry help/check Currency/quantity fields																																																																												
<table border="1"> <thead> <tr> <th>Component</th><th>Typing Method</th><th>Component Type</th><th>Data Type</th><th>Length</th><th>Decim...</th><th>Short Description</th></tr> </thead> <tbody> <tr> <td>DELIVERY_DATE_ALL</td><td>Types</td><td>FLAG</td><td>CHAR</td><td>1</td><td>0</td><td>General Flag</td></tr> <tr> <td>HEADER_INFO</td><td>1 Types</td><td>GBAPPS_PO_HEADER</td><td>XXD</td><td>0</td><td>0</td><td>POA : Header Account Details</td></tr> <tr> <td>.INCLUDE</td><td>1 Types</td><td>GBAPPS_PO_HEADER</td><td>XXD</td><td>0</td><td>0</td><td>POA : Customer Extensions Inc</td></tr> <tr> <td>DUMMY_PO_HEADER</td><td>1 Types</td><td>DUMMY</td><td>CHAR</td><td>1</td><td>0</td><td>Dummy function in length 1</td></tr> <tr> <td>.APPEND</td><td>1 Types</td><td>ZPO_H_DETAILS</td><td>XXD</td><td>0</td><td>0</td><td>Append POA Header Details</td></tr> <tr> <td>ZZEKGRP</td><td>1 Types</td><td>ERKGRP</td><td>CHAR</td><td>3</td><td>0</td><td>Purchasing Group</td></tr> <tr> <td>ITEMDETAILS</td><td>1 Types</td><td>GBAPPT_PO_ITEM</td><td>III</td><td>0</td><td>0</td><td>POA : Item Details</td></tr> <tr> <td>NOTES</td><td>1 Types</td><td>GBAPPT_NOTES</td><td>III</td><td>0</td><td>0</td><td>Common : Notes</td></tr> <tr> <td>ATTACHMENTS</td><td>1 Types</td><td>GBAPPT_ATTACHMEN</td><td>III</td><td>0</td><td>0</td><td>Common : Attachments</td></tr> </tbody> </table>							Component	Typing Method	Component Type	Data Type	Length	Decim...	Short Description	DELIVERY_DATE_ALL	Types	FLAG	CHAR	1	0	General Flag	HEADER_INFO	1 Types	GBAPPS_PO_HEADER	XXD	0	0	POA : Header Account Details	.INCLUDE	1 Types	GBAPPS_PO_HEADER	XXD	0	0	POA : Customer Extensions Inc	DUMMY_PO_HEADER	1 Types	DUMMY	CHAR	1	0	Dummy function in length 1	.APPEND	1 Types	ZPO_H_DETAILS	XXD	0	0	Append POA Header Details	ZZEKGRP	1 Types	ERKGRP	CHAR	3	0	Purchasing Group	ITEMDETAILS	1 Types	GBAPPT_PO_ITEM	III	0	0	POA : Item Details	NOTES	1 Types	GBAPPT_NOTES	III	0	0	Common : Notes	ATTACHMENTS	1 Types	GBAPPT_ATTACHMEN	III	0	0	Common : Attachments
Component	Typing Method	Component Type	Data Type	Length	Decim...	Short Description																																																																						
DELIVERY_DATE_ALL	Types	FLAG	CHAR	1	0	General Flag																																																																						
HEADER_INFO	1 Types	GBAPPS_PO_HEADER	XXD	0	0	POA : Header Account Details																																																																						
.INCLUDE	1 Types	GBAPPS_PO_HEADER	XXD	0	0	POA : Customer Extensions Inc																																																																						
DUMMY_PO_HEADER	1 Types	DUMMY	CHAR	1	0	Dummy function in length 1																																																																						
.APPEND	1 Types	ZPO_H_DETAILS	XXD	0	0	Append POA Header Details																																																																						
ZZEKGRP	1 Types	ERKGRP	CHAR	3	0	Purchasing Group																																																																						
ITEMDETAILS	1 Types	GBAPPT_PO_ITEM	III	0	0	POA : Item Details																																																																						
NOTES	1 Types	GBAPPT_NOTES	III	0	0	Common : Notes																																																																						
ATTACHMENTS	1 Types	GBAPPT_ATTACHMEN	III	0	0	Common : Attachments																																																																						

You have to fill the Purchasing Group value to the cs_header_details_x-zzekgrp.

8. Go back to the original session.

Class Builder: Class ZCL_BADI_FIELD_EX_FILL Display	
Pattern Pretty Printer Signature Public Section Protected	
Method	IF_GBAPP_EX_APV_PO_RDP~CHANGE_HEADER_DETAILS_INFO_API
1	<pre> METHOD IF_GBAPP_EX_APV_PO_RDP~CHANGE_HEADER_DETAILS_INFO_API. 2 3 * Intended use: 4 * Customer uses the BAdI Enhancement Framework for own content / logik 5 6 * Here you can change/enhance the data, which is retrieved for the GET call for 7 * the Purchase Order Details. 8 9 * Note: If you need to process additional PO data, you can do the changes here 10 11 ENDMETHOD. </pre>

9. Switch to change mode and implement the code.

Program Code:

METHOD if_gbapp_ex_apv_po_rdp~change_header_details_info_api.

DATA: lv_po_number TYPE ebeln.

lv_po_number = cs_header_details_x-po_number.

SELECT SINGLE ekgrp FROM ekko INTO cs_header_details_x-zzekgrp WHERE ebeln = lv_po_number .

ENDMETHOD..



Class Builder: Class ZCL_BADI_FIELD_EX_FILL Change

```

Method IF_GBAPP_EX_APV_PO_RDP~CHANGE_HEADER_DETAILS_INFO_API Inactive (revised)
1 METHOD IF_GBAPP_EX_APV_PO_RDP~CHANGE_HEADER_DETAILS_INFO_API.
2
3 DATA: lv_po_number TYPE ebeln.
4
5 lv_po_number = cs_header_details_x-po_number.
6
7 SELECT SINGLE ekgrp FROM ekko INTO cs_header_details_x-zzekgrp WHERE ebeln = lv_po_number .
8
9 ENDMETHOD.

```

10. Activate the method. Status should be Active.
11. Repeat same step for CHANGE_WORKFLOW_TASK_API method.

Enhancement Implementation Z_EI_FIELD_EXTESIBILITY Display

Enhancement Implementation		Z_EI_FIELD_EXTESIBILITY	Active
		Properties	History
		Technical Details	Enh. Implementation Elements
<input checked="" type="checkbox"/> BADI Implementations	Description	Interface	IF_GBAPP_EX_APV_PO_RDP
<input checked="" type="checkbox"/> Z_BADI_FIELD_EXTENSIBILITY	Z BADI Field E	Implementing Class	ZCL_BADI_FIELD_EX_FILL
<input checked="" type="checkbox"/> Z_BADI_FIELD_EX_FILL	Z BADI Field E	Method	
		<input type="checkbox"/> IF_GBAPP_EX_APV_PO_RDP~CHANGE_AGENT_LIST_API	Short description Change Data for Agent list
		<input type="checkbox"/> IF_GBAPP_EX_APV_PO_RDP~CHANGE_ATTACHMENT_CONTENT...	Change Data for Attachment
		<input type="checkbox"/> IF_GBAPP_EX_APV_PO_RDP~CHANGE_AUTH_CHECK	Change Data for Authority check
		<input type="checkbox"/> IF_GBAPP_EX_APV_PO_RDP~CHANGE_HEADER_DETAILS_INFO...	Change Data for Header details
		<input type="checkbox"/> IF_GBAPP_EX_APV_PO_RDP~CHANGE_INBOX_COUNTER_API	Change Data for GET of Inbox Counter Da...
		<input type="checkbox"/> IF_GBAPP_EX_APV_PO_RDP~CHANGE_ITEM_DETAILS_INFO_API	Change Data for Item details
		<input type="checkbox"/> IF_GBAPP_EX_APV_PO_RDP~CHANGE_NOTES_API	Change Data for Notes
		<input type="checkbox"/> IF_GBAPP_EX_APV_PO_RDP~CHANGE_SUPPLIER_INFO_API	Change Data for Supplier Info
		<input type="checkbox"/> IF_GBAPP_EX_APV_PO_RDP~CHANGE_USER_DETAILS_API	Change Data for GET of PO Details
		<input type="checkbox"/> IF_GBAPP_EX_APV_PO_RDP~CHANGE_WORKFLOW_TASKFILE	Change Task Type filter for GET of Workt...
		<input checked="" type="checkbox"/> IF_GBAPP_EX_APV_PO_RDP~CHANGE_WORKFLOW_TASK_API	Change Data of Workitem List Data
		<input type="checkbox"/> IF_GBAPP_EX_APV_PO_RDP~GET_IMAGE_BINARY_FILE	Get binary data for image retrieval
		<input type="checkbox"/> IF_GBAPP_EX_APV_PO_RDP~SET_ATTRIBUTES	Set initial values to Note types, Quantity for

Program Code:

```
METHOD IF_GBAPP_EX_APV_PO_RDP~CHANGE_WORKFLOW_TASK_API.
```

```
DATA: lv_po_number TYPE ebeln.
```

```
FIELD-SYMBOLS: <ls_workflow_list> TYPE GBAPPS_PO_WORKFLOW_TASK.
```

```
LOOP AT CT_WORKFLOW_LIST ASSIGNING <ls_workflow_list>.
```

```
lv_po_number = <ls_workflow_list>-po_number.
```

```
SELECT SINGLE ekgrp FROM ekko INTO <ls_workflow_list>-zzekgrp WHERE ebeln = lv_po_number .
```

```
ENDLOOP.
```

```
ENDMETHOD..
```

4. Test the OData service

Before implementing 3 steps, there was no OData for Purchasing Group.

4.1 Check the OData service - Before

Get the Purchase Order detail

```
/sap/opu/OData/sap/GBAPP_POAPPROVAL/WorkflowTaskCollection('000001105834')/HeaderDetails?$expand=ItemDetails,Notes,Attachments
```

The screenshot shows the SAP NetWeaver Gateway Client interface. In the 'HTTP Response' section, the XML output for the purchase order is displayed. The XML includes fields such as CreatedBy (with ID 1003866), Supplier (C.E.B. BERLIN), and Delivery Date (2013-08-31T00:00:00). A callout box labeled 'No Purchasing Group' points to the absence of a Purchasing Group entry in the XML output.

There was no Purchasing Group in the end of xml.

4.2 Clear the Cache

When you changed the Model, you have to clear Gateway cache in both Gateway and ERP backend.

Transaction: /IWEND/CACHE_CLEANUP on Gateway server

Transaction: /IWBEPCACHE_CLEANUP on ERP Server

4.3 Test the OData service - after

Get the Purchase Order detail

```
/sap/opu/OData/sap/GBAPP_POAPPROVAL/WorkflowTaskCollection('000001105834')/HeaderDetails?$expand=ItemDetails,Notes,Attachments
```



SAP NetWeaver Gateway Client

HTTP Method: GET POST PUT PATCH DELETE HEAD OPTIONS

Request URI: /sap/opu/odata/SAP/GBAPP_POAPPROVAL/WorkflowTaskCollection('000001105834')/HeaderDetails?\$expand=ItemDetails,Notes,Attachments

Test Group: Test Case

HTTP Response

```

Header Name Value
~status_code 200
~status_reason OK

<d:NumberOfNotes>0</d:NumberOfNotes>
<d:NumberOfAttachments>0</d:NumberOfAttachments>
<d:Value>1023.00</d:Value>
<d:Currency>EUR</d:Currency>
<d:SupplierID>1000</d:SupplierID>
<d:SupplierName>C.E.B. BERLIN</d:SupplierName>
<d:NumberOfItems>1</d:NumberOfItems>
<d:Plant>1000</d:Plant>
<d:PlantName>Werk Hamburg</d:PlantName>
<d:DeliveryDate>2013-08-31T00:00:00</d:DeliveryDate>
<d:DeliveryDateAlsoLater />
<d:ZPurchasingGroup>008</d:ZPurchasingGroup>
</m:properties>
</content>
</entry>

```

The Workflow Task entity has also Purchasing Group value.
 /sap/opu/odata/SAP/GBAPP_POAPPROVAL/WorkflowTaskCollection?\$filter=TaskType eq 'TS20000166'&\$top=1

SAP NetWeaver Gateway Client

HTTP Method: GET POST PUT PATCH DELETE HEAD OPTIONS

Request URI: /sap/opu/odata/SAP/GBAPP_POAPPROVAL/WorkflowTaskCollection?\$filter=TaskType eq 'TS20000166'&\$top=1

Test Group: POA Test Case ID: WorkflowTaskCollection \$top and \$skip

HTTP Response

```

Header Name Value
~status_code 200
~status_reason OK

<d:ForwardedByID />
<d:ForwardedByName />
<d:SubstitutingForID />
<d:SubstitutingForName />
<d:CreatedByID>1003866</d:CreatedByID>
<d:CreatedByName>1003866</d:CreatedByName>
<d:Value>1023.00</d:Value>
<d:Currency>EUR</d:Currency>
<d:SupplierID>1000</d:SupplierID>
<d:SupplierName>C.E.B. BERLIN</d:SupplierName>
<d:ItemDescriptions>Actuation</d:ItemDescriptions>
<d:SearchForText />
<d:ZPurchasingGroup>008</d:ZPurchasingGroup>
</m:properties>
</content>
</entry>

```

4.4 UI extensibility

The next step is you are going to display the Purchasing Group field in the UI. Please refer to the separate How to Guide "Adding custom fields to SAP Fiori apps. UI fields extensibility".

Adding custom fields to SAP Fiori apps in 3 steps. OData fields extensibility.



Purchase Orders (9)

PURCHASE ORDERS

REFRESH

Search:

Supplier	Amount	Created
C.E.B. BERLIN	9,990.00 EUR	1 day ago
ZOO	2222	
Olga KREINDLNA		
C.E.B. BERLIN	550.00 EUR	2 days ago
ZOO	2 items	
Albert Manager		
C.E.B. BERLIN	750.00 EUR	2 days ago
ZOO	LAT Test: casing	
Olga KREINDLNA		
C.E.B. BERLIN	5,000.00 EUR	

Purchase Order

C.E.B. BERLIN 750.00 EUR 2 days ago

Olga KREINDLNA

i

Purchasing Group ZOO

Purchase Order 4500017996

Account Assignment: Cost Center 1110 Executive Board
GL Account 4000000 Consumption, raw material 1

Delivery Date: August 17, 2013

Plant: Werk Hamburg

Payment Terms: 14 days 5%, 30/2%, 45 net

Invoicing: EXW From plant, Walldorf

Company Code: IDES AG (1000)

Items (1)

Description	Quantity	Subtotal
LAT Test: casing	15 PCE	750.00 EUR

Approve Reject



www.sap.com/contactsap

www.sdn.sap.com/irj/sdn/howtогuides



The Best-Run Businesses Run SAP™

SAP Fiori - Extensibility - SAP Fiori

Thursday, February 22, 2018 4:58 PM

SAP Fiori - Extensibility

- Created by [Masayuki Sekihara](#), last modified by [Rohit Khan](#) on [Mar 14, 2017](#)

[Go to start of metadata](#)



This is a collaborative document to share lessons learned contents for Extending Fiori Apps in the community [SAP Fiori](#).

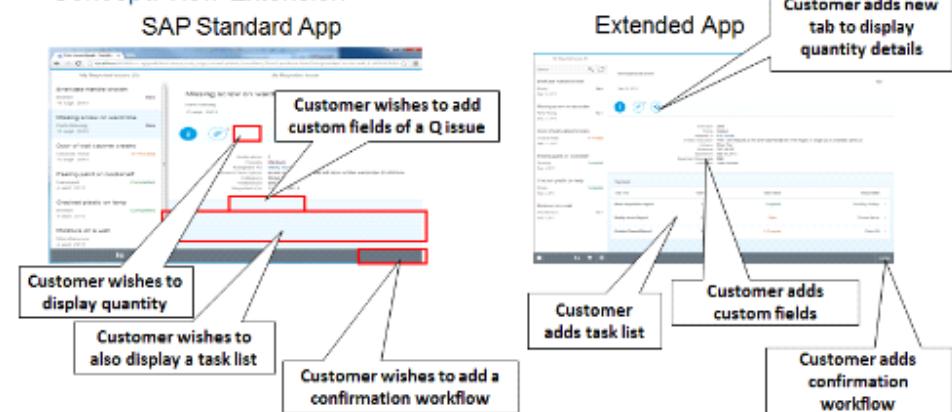
Please feel free to insert the link of your document or blog by selecting the edit button from Actions. You can also search information and open a discussion if you can't find required information. Please don't forget to put the tag fiori.

Search: [Search](#), [Questions&Answers](#), [Archives](#), [Blogs](#) **Create:** [Question](#), [Blog](#)

You can extend SAP Standard apps without modification. This helps TCO and software life cycle maintenance cost.

Use case: Add custom content at specified places

Concept: View Extension



New and Updated in the last 3 months:

- YYYY-MM-DD Please share your documents and blogs.
- Extensibility:**
- Go to [SAP Web IDE for extending Fiori Apps](#). How to guides and recordings are available.
 - [New SAP Fiori Design Guidelines Launched](#) by Sabina Hitzler
 - [Extensibility](#) in [help.sap.com](#)
 - [Extensibility of SAP Fiori Apps](#) by Clement Selvaraj
 - [Use Cases for Extending the UI of SAP Fiori Apps](#) by Clement Selvaraj
 - [End-to-End SAP Fiori Extensibility Use Case](#) by Clement Selvaraj
 - [Extend Fiori UI5 Boilerplate with SAP Web IDE](#) by HP Seitz
 - [Redefining OData Service with Gateway Service Builder](#) for extending OData

- [Extending a SAP HANA Live View | SCN](#) by Marcus Behrens
- [Extending Fiori Analytical Apps](#) by Murali Shanmugham

Jerry's Extensibility Docs:

[Jerry Wang](#) has shared many extensibility examples. We can learn a lot of things from Jerry's documents.

- Jerry's Blogs and Documents
- [An sample of My Opportunity application extension](#)
- [Implementation detail - how a field is hidden in runtime by view modification](#)
- [How to hide dynamically created UI fields via extension for My Opportunity application](#)
- [An example of End to End extension on CRM Fiori application - part1](#)
- [An example of End to End extension on CRM Fiori application - part2](#)
- [An example of End to End extension on CRM Fiori application - part3](#)
- [An example of End to End extension on CRM Fiori application - part4](#)
- [Step by step to expose Sales Office and Sales group to My Opportunity](#) - in CRM Fiori application, there are two standard fields "SalesOffice" and "SalesGroup" which are not exposed to Fiori UI yet. This blog introduces how could customer expose these two fields using Extensibility technology.
- [How to remove the blue background color of Edit button in footer toolbar](#) - The standard button in footer bar has default background color, for example, Edit button has blue color. Some customer does not like this default color and would like to remove it. This blog introduces how to remove. And it is also feasible to change the default color to other color. See this blog [How to change the background color of button in Footer area](#) for detail.
- [How to find UI element binding path which is not statically defined in XML view](#)
- [Step by Step to consume HANA Query view in CRM Fiori](#)

Jerry's blogs regarding Smart Template

You can use smart templates to create SAP Fiori applications based on OData services and annotations requiring no JavaScript UI coding. An application based on smart templates uses predefined template views and controllers that are provided centrally, so no application-specific view instances are required. The SAPUI5 runtime interprets metadata and annotations of the underlying OData service and uses the corresponding views for the SAP Fiori app at startup.

For example, so far (2016 April) there is no standard Fiori application delivered for Service professional role in CRM area by SAP. With the help of Smart Template, it is easy for you to build a Fiori application which can manipulate Service Order create, update, read and search without JavaScript coding in frontend. The only necessary knowledge to achieve this is: ABAP + WebIDE + CDS view + a little knowledge about Smart template.

Here below are blogs from Jerry about how to build a service order application using Smart Template.

- [Create a CRM Service Order Fiori application within a couple of minutes](#) - this blog works as the beginning part: only service order read and search are implemented
- [Enable CRM Service Order application with edit functionality](#) - the application is enhanced with update function
- [Enable CRM Service Order application with create functionality](#) - the part about how to implement service order creation is introduced

Meanwhile SAP has already delivered several reference application built by Smart Template to prove its power. You can play with those reference application from this [link](#).

As mentioned previously, most of the development task working under Smart Template is now in CDS view. As a beginner who knows nothing about CDS view before, Jerry has written a series of CDS self study tutorials consisting of 8 parts, trying to introduce some logic occurring under the hood to gain a better understanding about this technology. This tutorial also contains debugging tips which are useful for trouble shooting. You can find the first part of this tutorial from [here](#).

Fiori standard Control and Custom Control

If the default controls could not fulfill your requirement, it is possible to create custom control on your own. Please refer to [How to create custom control from scratch](#) from [Angel Puertas](#) for detail.

But before that, do you really understand how a simple control like button is designed and implemented in Fiori? Here is a [tutorial](#) using the most simple control, Button, as example to give you a 360 degree view on Fiori control.

- [Part1 - UI5 Module lazy load mechanism](#)
- [Part2 - Control renderer](#)
- [Part3 - Html native event VS UI5 semantic event](#)
- [Part4 - Control metadata](#)
- [Part5 - Control instance data - how are function setXXX\(\) and getXXX\(\) implemented](#)
- [Part6 - Control data binding under the hood](#)
- [Part7 - Implementations for different binding mode: OneWay, TwoWay, OneTime](#)
- [Part8 - Control ID](#)
- [Part9 - Control internationalization support](#)
- [Part10 - Button control in XML view](#)
- [Part11 - Button control and its underlying DOM](#)

It helps you to build better Fiori application if you know those control essentials.

My Inbox Extensibility:

- [SAP Fiori - My Inbox](#)

Extending OData:

- For Extending OData service, please look at the documents in the [SAP Fiori - OData/Gateway](#).

Extending UI:

- [SAP Web IDE - Advanced](#).
- [HOW TO ENABLE MULTI-ORIGIN CAPABILITY IN SAP FIORI APPS](#) by Ashish Singh
- [How to handle dynamic date formats in Fiori as per SU01/SU3 user defaults](#) by Varun Reddy
- [Extending a Fiori App - Simple Use case - Part 1](#) by Murali Shanmugham
- [Extending a Fiori App - Simple Use case - Part 2](#) by Murali Shanmugham
- [Extending a Fiori App - Simple Use case - Part 3](#) by Murali Shanmugham
- [Fiori Extension - Reuse OData/UI components - Part 1](#) by Murali Shanmugham
- [Fiori Extension - Reuse OData/UI components - Part 2](#) by Murali Shanmugham
- [Extend SAP Fiori application leveraging SAP River Rapid Development Environment in 10 minutes](#) by Frank Schuler

Extending Fact Sheets, Analytical Apps:

- [Extending a SAP HANA Live View | SCN](#) by Marcus Behrens
- [Extending HANA Live Views](#) by Vivek Singh Bhoj

>

The Building Blocks of SAP Fiori Launchpad

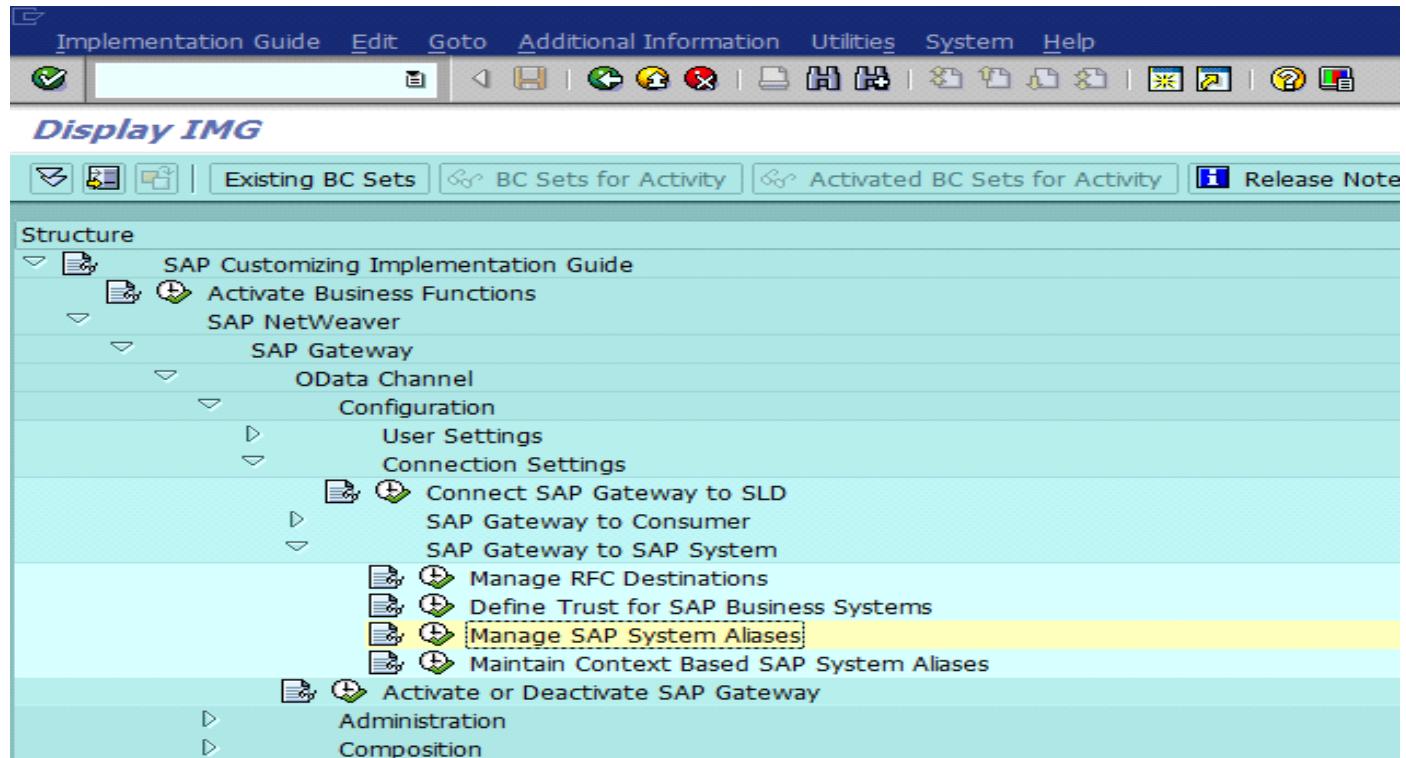
Friday, September 28, 2018 11:24 AM



The
Building B...

How to Maintain SAP system alias in Fiori server

Friday, April 13, 2018 9:23 PM



SAP System Alias	Description	Local GW	For Local App	Use Micro Hub	RFC Destination	Software Version	System ID	Client	WS Provider System
BWDCLNT105	System Alias to Backend BWD	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	BWDCLNT105	DEFAULT	BWD	105	
D47CLNT200	System Alias to Backend D47	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	D47CLNT200	DEFAULT	D47	200	
D47CLNT200_DOL	System Alias to Backend D47	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	D47CLNT200_DOLPHIN	DEFAULT	D47	200	
D47CLNT200_PGW	System Alias to Backend D47-Workflow	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	D47CLNT200	/IWPGW/BWF	D47	200	
IWF_UNIT_TEST_1	Unit Test System Alias - Do not modify	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	U3D_000	DEFAULT			PS_U3D_000
LOCAL	Local System Alias	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	NONE	DEFAULT			

Multiple Backend systems ECC and S/4 and Central HUB Fiori server

Friday, April 13, 2018 9:39 PM



41

Consume ...

It is based on User role.

If user role is assinged => then use this System Alias

The screenshot shows two main windows from the SAP Fiori Catalog Configuration:

- Service Catalog:** A grid of service entries. Each entry includes a technical name, service description, external service name, namespace, and processing mode. Many services are marked as "Not Supported".
- System Aliases:** A table where system aliases are mapped to host names. A green oval highlights the row for "D47-CLNT200" which maps to "System Alias to Backend D47".

Service Description	External Service Name	Namespace	Soft State	Processing Mode
ODATA CHANNELS NOTIFICATION STORE	NOTIFICATIONSSTORE	/MFRND	Not Supported	Routing-based
PAGE BUILDER - CONFIRMATION level	PAGE_BUILDER - CONFIRMATION	/U2	Not Supported	Routing-based
PAGE BUILDER - COST	PAGE_BUILDER - COST	/U2	Not Supported	Routing-based
PAGE BUILDER - PERSIS	PAGE_BUILDER - PERSIS	/U2	Not Supported	Routing-based
PAGEBUILDER SERVICE V 0.1	PAGEBUILDER SERVICE V 0.1	/U2	Not Supported	Routing-based
QUICKVIEW	QUICKVIEW	/U2	Not Supported	Routing-based
REPM CLOSEDSALEORDERQUERY_CDS	REPM CLOSEDSALEORDERQUERY_CDS		Not Supported	Routing-based
REPM CLOSEPURBORDEO_CDS	REPM CLOSEPURBORDEO_CDS		Not Supported	Routing-based
REPM OPENPURBORDEO_CDS	REPM OPENPURBORDEO_CDS		Not Supported	Routing-based
REPM PURCHASEORDERDETAIL_CDS	REPM PURCHASEORDERDETAIL_CDS		Not Supported	Routing-based
REPM PURCHASEORDERPRODUCT_TO_CDS	REPM PURCHASEORDERPRODUCT_TO_CDS		Not Supported	Routing-based
REPM PURCHASEORDER_CDS	REPM PURCHASEORDER_CDS		Not Supported	Routing-based
REPM PURCHASEREGROSAMTO_CDS	REPM PURCHASEREGROSAMTO_CDS		Not Supported	Routing-based
REPM SALESORDERANALYSIS_CDS	REPM SALESORDERANALYSIS_CDS		Not Supported	Routing-based
REPM SALESORDERDETAIL_CDS	REPM SALESORDERDETAIL_CDS		Not Supported	Routing-based
REPM SALESORDERPRODUCTQUERY_CDS	REPM SALESORDERPRODUCTQUERY_CDS		Not Supported	Routing-based
S4000	S4000		Not Supported	Routing-based
S4000_V_SALESCONTR_BO_CDS	S4000_V_SALESCONTR_BO_CDS		Not Supported	Routing-based
SEPM_HANA_EXT_FAI_ODATA_SRV	SEPM_HANA_EXT_FAI_ODATA_SRV		Not Supported	Routing-based
TMFRNDSUBSCRIPTIONMANAGEMENT	SUBSCRIPTIONMANAGEMENT	/MFRND	Not Supported	Routing-based
ZTRANSPORT	TRANSPORT	/U2	Not Supported	Routing-based
ZMFRNDUSAEXTRACTOR	USAEXTRACTOR	/MFRND	Not Supported	Routing-based
ZMFRNDUSERSERVICE	USERSERVICE		Not Supported	Routing-based
ZTEST PROJECT 1_SRV	ZTEST PROJECT 1_SRV		Not Supported	Routing-based
ZTEST PROJECT 2_SRV	ZTEST PROJECT 2_SRV		Not Supported	Routing-based
ZTEST PROJECT 3_SRV	ZTEST PROJECT 3_SRV		Not Supported	Routing-based

System Aliases					
SAP System Alias	Description	Default	Metadata	User Role	Host Name
D47-CLNT200	System Alias to Backend D47	Not Supported	Not Supported		

The screenshot shows the "Assign SAP System Aliases to OData Service" overview table. A red arrow points to the "User Role" column header.

Display View "Assign SAP System Aliases to OData Service": Overview							
Assign SAP System Aliases to OData Service							
Service Doc. Identifier	User Role	Host Name	SAP System Alias	Default System	Metadata Default	Tech. Svc. Name	Ext. Service Name
EGBAPP_FRAPPROVAL_0001		D47-CLNT200				ZGAPP_FRAPPROVAL	GBAPP_FRAPPROVAL

From Zero to Fiori Launchpad and one custom app in 30 minutes

Monday, April 24, 2017 12:16 PM

<https://www.youtube.com/watch?v=FisqxkbWIYc&feature=youtu.be>



FromZeroto
FioriLaun...

SAP expert Guided implementation

Tuesday, April 21, 2015 9:40 AM



EGI+for+SA
P+Fiori+U...



EGI+for+SA
P+Fiori+U...

Comparison – SAP Fiori UI5 and Screen Personas : The Good, The Bad, and The Ugly | SAP Blogs

Tuesday, May 29, 2018 7:23 AM

Comparison – SAP Fiori UI5 and Screen Personas : The Good, The Bad, and The Ugly

July 2, 2017 | 1,234 Views |



[Rajen Patel](#)

[more by this author](#)

SAP Fiori

[Implementation Methodologies](#) [SAP Screen Personas](#) [SAPUI5](#) [User Interface compare and contrast](#) [comparisonfeaturecomparisonfioriscreen personasui5user experience](#)

- [share 0](#)
- [share 1](#)
- [tweet](#)
- [share 0](#)

[Follow RSS](#)

SAP provides two paths to a delightful user experience (UX)

SAP Fiori UI5 apps and SAP Screen Personas are two ways to achieve SAP Fiori user experience.

- Fiori UI5 UX strategy aims to transform the transactional operational model to a role-oriented one
- SAP Screen Personas simplifies scenarios not yet covered by Fiori applications or for your custom transactions

UI v/s UX

There is a distinction between User Interface (UI) and User experience (UX).

User interface deals with intuitive screen design, screen flow, buttons and colors.

User experience deals with how users feel when they interact with the technology. It includes integration between processes, people and technology

Example: Uber

- Intuitive screen design to call a ride from your mobile phone > *Great UI*
- You can walk out of your ride without using your mobile phone > *Great UX*

Perspective

SAP provided technologies (Fiori UI5, Personas) can be used to improve UI for screens as part of organization's UX improvement initiative. Here is a perspective of each technology.

1. Fiori UI5 apps:

The Good:

- Role based development
- Develop once, use on any device i.e. Mobile phone, tablet and desktop
- Develop based on your need (independent of existing SAP transactions)
- Leverage SAP Fiori Launchpad to personalize landing screen
- Fiori design is the future UI for all SAP products
- Dynamic search functionality
- Smart tiles with analytical annotation

The Bad:

- High cost of development
- Different approach for development compared to traditional development (Design thinking)
- Need to provide complete "end to end functionality" for designated roles otherwise users end up in two different user interface (Fiori and SAP GUI)

The Ugly:

- High cost of change (develop once and develop right)
- Easy to deviate from SAP's Fiori design guidelines

Bottom line:

Great for complex business processes, high development cost, great UX improvement, long term approach aligned with SAP's UX strategy

2. Screen Personas

The Good:

- Modify existing transactions (standard and custom) > Keep existing business logic
- Easy to simplify > remove fields
- Relatively easy to beautify screens by applying themes
- Great screen editing interface for screen editing and great libraries for JavaScript
- Great for simplifying display transactions
- Can be integrated with Fiori Launchpad

The Bad:

- Limited to SAP GUI transactions (Very difficult to combine different edit transactions on one screen > It gets ugly pretty fast)

- JavaScript can be used for front end development i.e. SAP GUI for HTML screen (One can also create flavors in SAP GUI for HTML and render in SAP GUI for Windows. Limitations are noted here: <https://launchpad.support.sap.com/#/notes/0002080071>)
- Limited to fixed screen-size per theme (You need to create flavors for every screen size. Development time multiplies with every flavor)
- Every transaction needs flavor (i.e. Three flavors for MM01, MM02 and MM03). Multiple flavors if you are creating different variants for different users groups

The Ugly:

- For edit transactions it gets ugly to merge fields from multiple tabs esp. grids
- It gets even uglier if you have mandatory fields on different tabs
- Must utilize an ABAP expert and a JavaScript developer for any meaningful automation or custom screen development
- Numbers of scripts and flavors can get out of hand very quickly
- Screen can look like Fiori screen but will not provide intuitive fluid UI functionality available in Fiori UI5 screens

Bottom line:

Great for simple transactions and linear business processes, limited development effort, limited UX improvement gain.

3. Hybrid approach:

Improve UX by implementing Fiori UI5 and SAP Screen Personas

- The man who chases two rabbits, catches neither. ~ Confucius
- *If you “the organization” want to chase two rabbits, setup two different teams and send them to chase one rabbit each ~ Confucius 3.0*

Also posted at : <https://experience.sap.com/topic/perspective-two-paths-to-a-delightful-user-experience-ux/>

Alert Moderator

[4 Replies](#)

4 Comments

You must be [Logged on](#) to comment or reply to a post.

1. [Former Member July 3, 2017 at 3:43 pm](#)

Rajan – good post — a couple of observations on the “Bad” of Fiori:

- High cost of development : At a Fiori open house to internal business partners within a Mindset 150,000 employee client recently, the DevOps team highlighted the overall LOWER cost of Fiori vs. traditional project development. This client sees 6-8 week production delivery (including Design Thinking) of Fiori apps via a high-velocity Fiori Agile Build team. So in addition to lower costs, the value provided by very fast time-to-market becomes a strong ROI drive.
- Different approach for development compare to traditional development: This is true — but for most of our clients this Digital Transformation using an Agile approach is

what they're seeking, and Fiori is a great way to develop that competency. Our Director of Ops Luke VanEpern [posted on this recently](#).

- Need to provide complete “end to end functionality” for designated roles otherwise users ends up in two different user interface (Fiori and SAP GUI): Also true, but this is resolved in Design Thinking. Avoiding multiple interfaces (SAPGUI, WebDyn Pro, non-SAP, etc.) is a factor in determining MVP, and how many sprints to achieve it.

Peter Brasket, [Mindset Consulting](#)

like (1)

2. [Former Member August 8, 2017 at 2:11 am](#)

Hello Rajan, Good post . I liked the chasing rabbits comparison .

Best regards,

pradeep .

like (0)

3. [Former Member September 26, 2017 at 4:07 pm](#)

Hi,

great post. Just one comment to the “bad” point for SAP Screen Personas “JavaScript can be used only for front end development i.e. SAP GUI for HTML screen”. This is somewhat imprecise and confusing (to me at least). Your are correct that script editing just like flavor editing can only be done in the SAP GUI for HTML, but the finished flavor including the JavaScript scripts will run on all supported GUIs (SAP GUI for Html, Windows and Java). I consider this a big plus for Personas that you can simplify screens for WinGui users.

Cheers,

Clemens

like (0)

1. [Rajen Patel Post authorSeptember 28, 2017 at 4:26 pm](#)

Thanks for the update Clemens.

I have updated the article with this text: “One can also create flavors in SAP GUI for HTML and render in SAP GUI for Windows. Limitations are noted here:

<https://launchpad.support.sap.com/#/notes/0002080071>“

like (0)

My purchasing document items

Tuesday, June 2, 2020 5:58 PM

Deleted "My Purchase Document items"

The screenshot shows the Fiori Catalog configuration interface. At the top, there are navigation links: General, My projects, Portal servers, Runner projects, and My Webex. Below that, the title bar says "Eaton Buyer (RTC)" with a edit icon.

The main area is titled "ID : X-SAP-UI2-CATALOGPAGE:ZRTC_EATON_BUYER". It features a "Catalog Collection" sidebar on the left with a "Drag to add" placeholder. The sidebar lists several groups under the "eaton" category:

- Eaton Buyer (RTC) (selected, highlighted in blue)
- Eaton Finance Manager (ZFIN_FINANCE_MANAGER)
- Eaton Production Analyst (ZPTP_PRODUCTION_ANALYST)
- Eaton Purchase Approver (ZRTC_PURREQ_APP)
- Eaton Quality Analyst (ZQM_QUALITY_ANALYST)
- Eaton Sales Analyst (ZQTC_SALES_ANALYST)

In the center, there are three tiles:

- Track Purchase Order**: A blue tile with a document icon and the number 2.
- My Purchasing Document Items**: A blue tile with a document icon and the number 1,234.
- An empty white tile with a plus sign (+).

At the bottom of the catalog collection, there are three icons: Tiles (2), Target Mapp... (2), and another Tiles icon (2). A blue arrow points from the "Target Mapp..." icon to the "My Purchasing Document Items" tile.

This screenshot shows the same Fiori Catalog configuration interface as the previous one, but with a different catalog ID: "ID : X-SAP-UI2-CATALOGPAGE:ZRTC_EATON_BUYER".

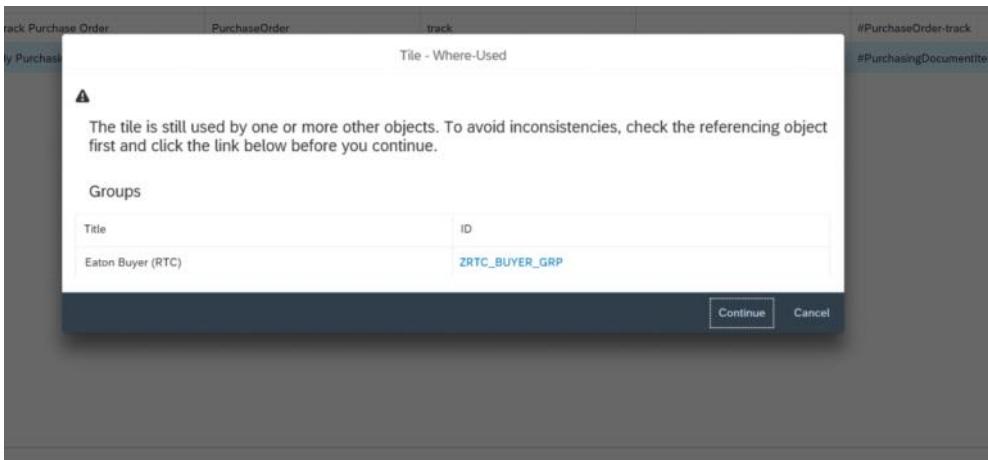
The catalog collection sidebar and the list of groups under "eaton" are identical to the previous screenshot.

The central area now displays a table of tiles:

Icon	Title	Semantic Object	Action	Parameters	Target URL	Reference	Outdated
File icon	Track Purchase Order	PurchaseOrder	track		#PurchaseOrder-track		
Document icon	My Purchasing Document Items	PurchasingDocumentItem	display		#PurchasingDocumentItem-display		

A blue arrow points from the "Target Mapp..." icon in the catalog collection to the "My Purchasing Document Items" row in the table.

At the bottom of the screen, there is a dark footer bar with various icons and labels: Create Tile, Configure, Create Reference, Delete, Where Used, and Original.



Subject	RE: FIORI catalog tiles and transports
From	Vedula, Hari
To	Tipton, Joe
Cc	Coleman, David
Sent	Tuesday, June 2, 2020 5:55 PM

I can delete it for now from this catalog. We have to create a new one whenever we plan to move "My Purchasing Document Items".

Hari Vedula
Sr Specialist – SAP Web Development, ADQS SAP Dev CoE
Eaton
Mobile: +1 630 864 9921
hari.vedula@eaton.com
www.eaton.com

From: Tipton, Joe <JoeTipton@Eaton.com>
Sent: Tuesday, June 2, 2020 5:52 PM
To: Vedula, Hari <Narahari.Vedula@Eaton.com>
Cc: Coleman, David <DavidColeman@Eaton.com>
Subject: RE: FIORI catalog tiles and transports

No My Purchasing Document Items will not be used. Can you separate them?

From: Vedula, Hari <Narahari.Vedula@Eaton.com>
Sent: Tuesday, June 2, 2020 5:50 PM
To: Tipton, Joe <JoeTipton@Eaton.com>
Cc: Coleman, David <DavidColeman@Eaton.com>
Subject: RE: FIORI catalog tiles and transports

Joe,

"Track Purchase Order" and "My Purchasing Document Items" are together now under one catalog. Are we moving both?

Eaton Buyer (R)
ID : ZRTC_BUYER_GRP

Show as Tiles

- Track Purchase Order
- My Purchasing Document Items 1,234

Show as Links

Eaton Buyer (RTC) 2

- Eaton Finance Manager 1
- Eaton Production Analyst 1
- Eaton Purchase Approver 1
- Eaton Quality Analyst 1
- Eaton Sales Analyst 1

Hari Vedula
Sr Specialist – SAP Web Development, ADQS SAP Dev CoE
Eaton
Mobile: +1 630 864 9921
hari.vedula@eaton.com
www.eaton.com

From: Tipton, Joe <JoeTipton@Eaton.com>
Sent: Tuesday, June 2, 2020 11:12 AM
To: Vedula, Hari <Narahari.Vedula@Eaton.com>
Cc: Coleman, David <DavidColeman@Eaton.com>
Subject: FIORI catalog tiles and transports

Hi Hari,

Can you put together separate transports for the catalog tiles related to the following FIORI apps. Can you move this into R32. I will create change log entries for these transports. We are looking to get these tested this week and ready for a move into production by June 18th.

My Spend	Update Functional security roles in ECC Update catalog within SAP Gateway Update Security roles on FIORI to point to new catalog Integrate GRC to provision FIORI roles Update link to access FIORI launchpad from Unity Gateway	David Coleman with assistance from Eric Myers Hari Vedula David Coleman Michelle Wang Joe Tipton	June 18th (Prod) June 18th (Prod) June 18th (Prod) TBD June 25th (Prod)	
Confirm Production Orders	Update Functional security roles in ECC Update catalog within SAP Gateway Update Security roles on FIORI to point to new catalog	David Coleman with assistance from John Fourmy Hari Vedula David Coleman	June 18th (Prod) June 18th (Prod) June 18th (Prod)	DRB approval
Track Purchase Order	Integrate GRC to provision FIORI roles Update Functional security roles in ECC Update catalog within SAP Gateway Update Security roles on FIORI to point to new catalog	Michelle Wang David Coleman with assistance from Matt Sespaniak Hari Vedula David Coleman	TBD June 18th (Prod) June 18th (Prod) June 18th (Prod)	DRB approval

Joe Tipton
Solution Architect
SAP Design and Governance Team

Eaton
mobile: +1 713 836-0304
JoeTipton@eaton.com
www.eaton.com



IE Compatibility issue with Fiori Login screen

May 6, 2017 | 522 Views |



[Harman Shahi](#)

[more by this author](#)

[SAP Fiori front-end server](#)

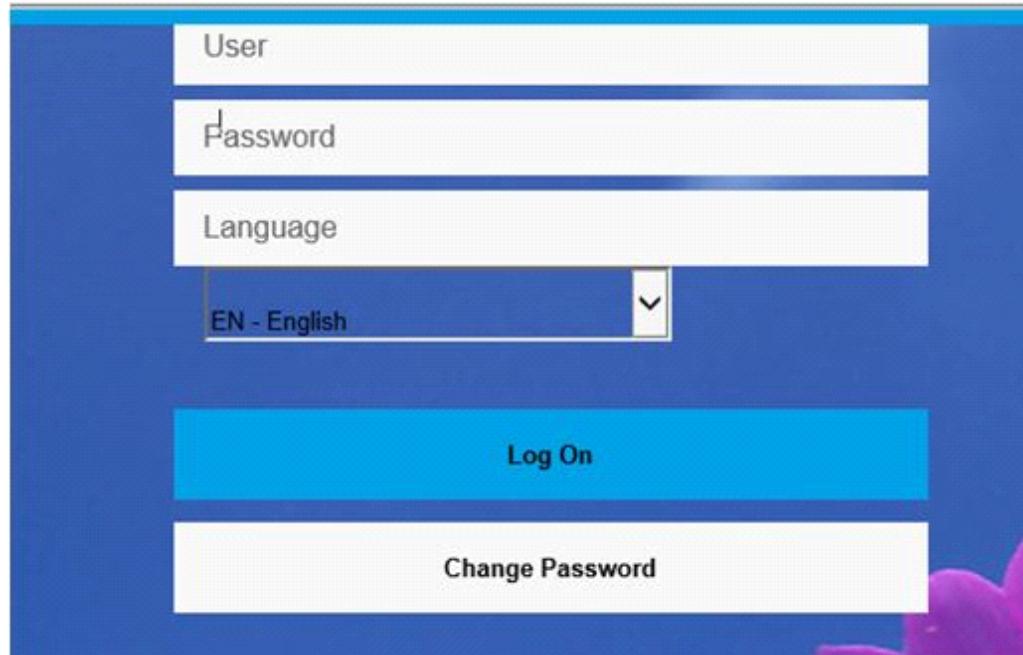
[SAP Fiori browser compatibility compatibility edge fiori login ie IE Compatibility Mode ush shell](#)

- [share](#)
- [share](#)
- [tweet](#)
- [share](#)

[Follow](#)

<https://blogs.sap.com/2017/05/06/ie-compatibility-issue-with-fiori-login-screen/>

This simple blog offers some information to tackle the IE compatibility issue with Fiori Login screen. If Compatibility Setting is turned on for your site in Internet Explorer, your login page may look like this that makes it impossible to login.



Possible Solution 1:

First, please go through these notes, and try to resolve your issue. If none of these are viable in your organization, then move onto solution 2.

- 2384447 – Fiori Login Screen is not rendered correctly in Internet Explorer
- 2387061 – Disable IE7 compatibility mode in Fiori login

Possible Solution 2 (Only to be used if Solution 1 does not apply):

If we look at the 'System Logon Configuration' of SICF service (/default_host/sap/bc/ui5/ui2/ushell) for our Login page, it points to ABAP class: "/UI2/CL_SRA_LOGIN"

In method /UI2/CL_SRA_LOGIN =>INIT_DEFAULT_PROPERTIES it points to these HTML files:

'/sap/public/bc/ui2/logon/template_login.html' and

'/sap/public/bc/ui2/logon/template_changepwd.html'

```

Method INIT_DEFAULT_PROPERTIES Active
34 WHEN co_context_login.
35   set_property( iv_name = 'label_button_login' iv_value = m_txt_button_login ).
36   set_property( iv_name = 'label_button_login_loading' iv_value = m_txt_button_login ).
37   set_property( iv_name = 'label_change_password' iv_value = m_txt_button_login_change_pwd ).
38   set_property( iv_name = 'label_client' iv_value = m_txt_label_client ).
39   set_property( iv_name = 'label_language' iv_value = m_txt_label_language ).
40   set_property( iv_name = 'label_password' iv_value = m_txt_label_password ).
41   set_property( iv_name = 'label_title_login' iv_value = m_txt_title_login ).
42   set_property( iv_name = 'template_login' iv_value = '/sap/public/bc/ui2/logon/template_login.html' ).

44 WHEN co_context_changepwd.
45   set_property( iv_name = 'label_button_cancel' iv_value = m_txt_button_cancel ).
46   set_property( iv_name = 'label_button_change' iv_value = m_txt_button_change_passwd ).
47   set_property( iv_name = 'label_confirm_password' iv_value = m_txt_label_new_password2 ).
48   set_property( iv_name = 'label_current_password' iv_value = m_txt_label_current_password ).
49   set_property( iv_name = 'label_new_password' iv_value = m_txt_label_new_password ).
50   set_property( iv_name = 'label_title_changepwd' iv_value = m_txt_title_change_password ).
51   set_property( iv_name = 'template_changepwd' iv_value = '/sap/public/bc/ui2/logon/template_changepwd.html' ).
```

In se80, locate these 2 HTML files, and add the following meta-tag within the <head> tags to enforce the Login screen to run in IE EDGE mode, and ignore the compatibility setting.

<meta http-equiv="X-UA-Compatible" content="IE=edge"/>

Name	Desc...
SAP	Reserved
BC	BASIS
BW	Business
PUBLIC	Cross-Ref
ACG	Geocodin
ADOC	ABAP Do
AES	Advanced
Archiving Factory	Archiving
BC	BASIS
ABAP	Screens f
ACM_Loeschbar	Access O
ADT	ABAP De
BSP	MIMEs fo
BTC	Root Fold
CRMWebUI	
ESA	
Icons	
Icons_rtl	
ITS	
rrc	

@Html.Raw(css_theme_link) @Html.Raw(css_style)
@Html.Raw(sys_script_generated) @Html.Raw
(custom script)

(Right-click and download file. Edit in Notepad. Upload back)

Add the code:

```
<!DOCTYPE html>
<html style="height: 100%; margin: 0;">
<head>

    <meta http-equiv="X-UA-Compatible" content="IE=edge"/>

    <meta name="viewport" content="width=device-width, initial-scale=1.0"/>
    <meta name="apple-mobile-web-app-capable" content="yes"/>
```

Now your login screen should looks like this regardless of Compatibility setting in IE.



Thank you
Harman

Alert Moderator

Inserted from <<https://blogs.sap.com/2017/05/06/ie-compatibility-issue-with-fiori-login-screen/>>

Fiori Launchpad configuration steps - OLD

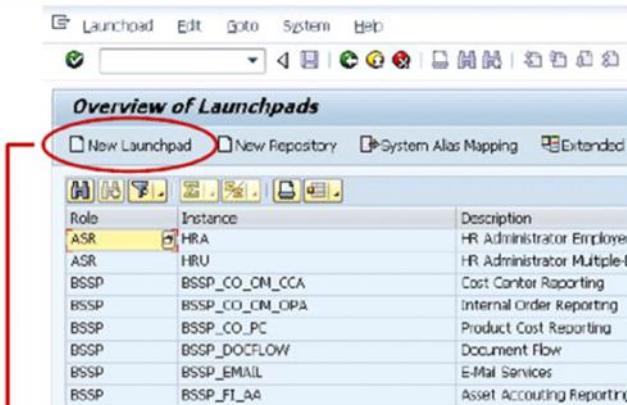
Friday, April 21, 2017 9:41 AM

High level Process Flow

- 1) Pre-requisites (SICF and SE80)
- 2) Launchpad Customizing (LPD_CUST)
- 3) Catalogs / Groups in the Launchpad Designer [target mapping <-> App Launcher]
- 4) Role Maintenance [PFCG]
- 5) Runtime (Launchpad).

- 1) Register the App

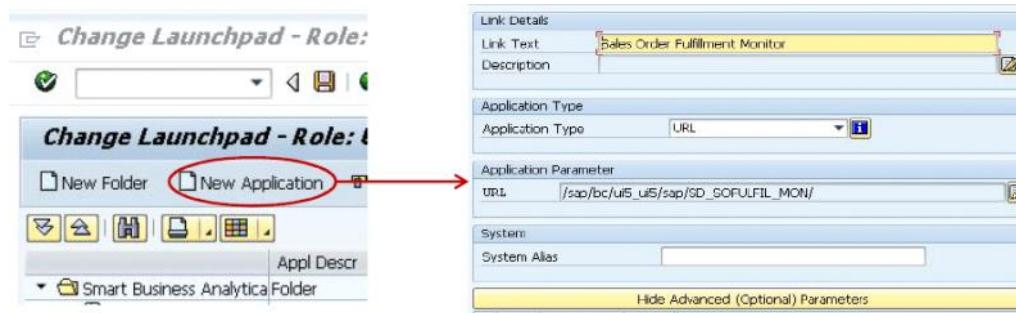
- a. Create a Launchpad in LPD_CUST transaction



b.



- c. Add Target Application.



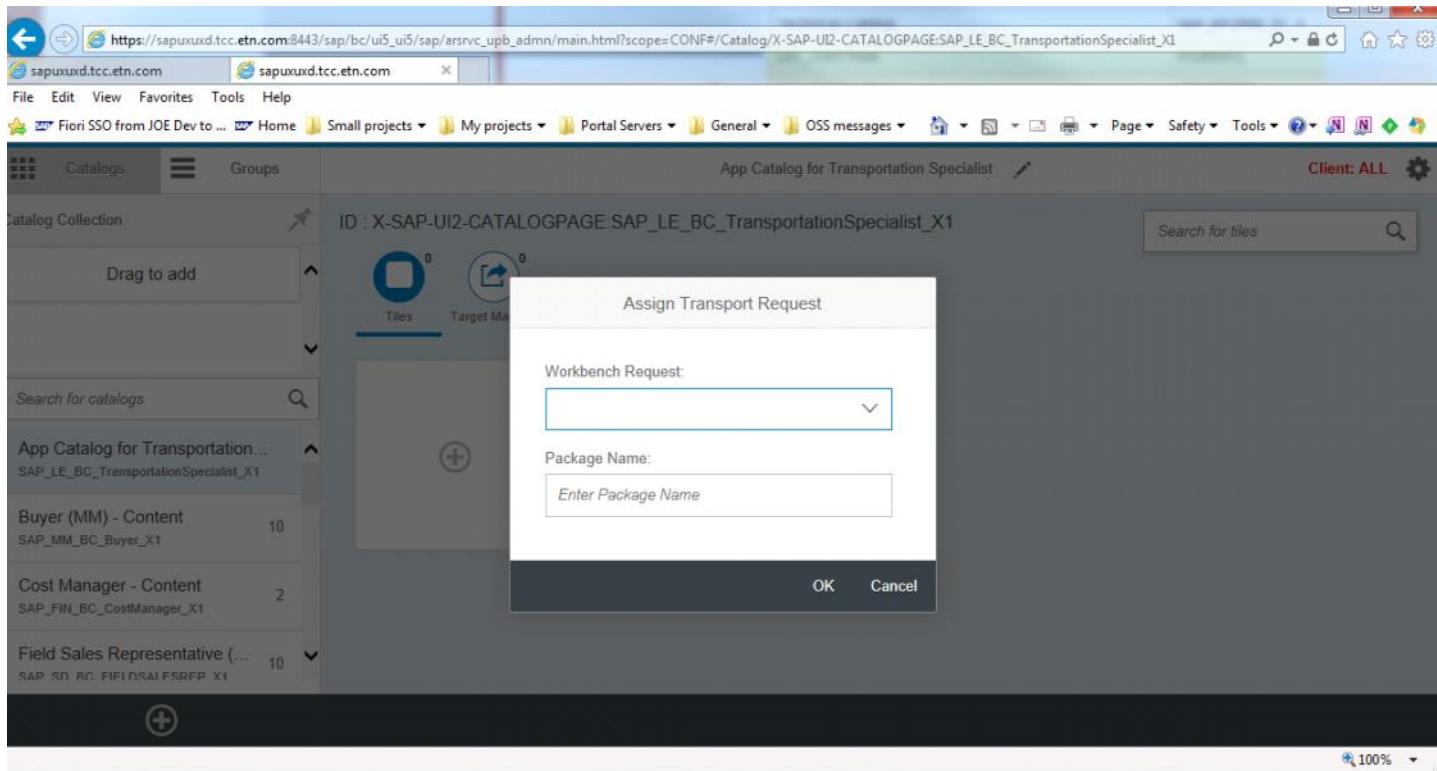
- d. Create a transport (SE01)

- 2) Open Launchpad Designer

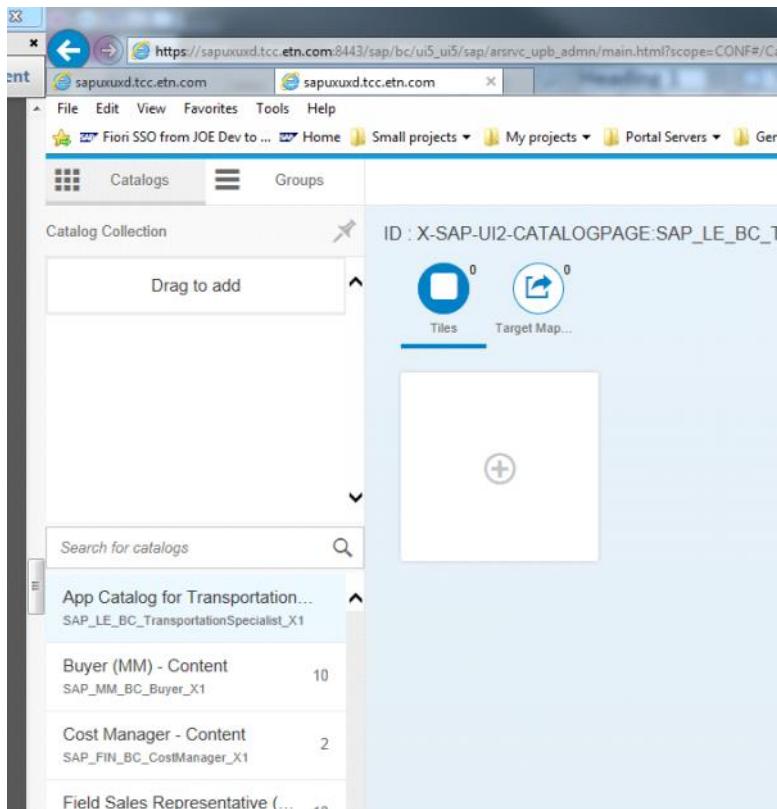
https://sapuxxd.tcc.etn.com:8443/sap/bc/ui5_ui5/sap/arsvc_upb_admn/main.html

https://sapuxxd.tcc.etn.com:8443/sap/bc/ui5_ui5/sap/arsvc_upb_admn/main.html?scope=CONF

- a. Assign transport request



- b. Creating / Editing **Catalogs** (a list of related tiles and target mappings. All catalogs must be assigned to a PFCG role to be accessible by the user)



- d. Create / Edit **Groups** (are a subset of catalogs which contain the apps visible on the Fiori Launchpad)

The screenshot shows the Fiori Launchpad interface. At the top, there's a navigation bar with icons for back, forward, search, and user profile. The URL in the address bar is https://sapuxuxd.tcc.etn.com:8443/sap/bc/ui5/ui5/sap/arsvc_upb_admn/main.html?scope=CONF#. Below the address bar is a menu bar with File, Edit, View, Favorites, Tools, Help.

In the top right, there are links for Fiori SSO from JOE Dev to ... (with a star icon), Home, Small projects, My projects, Portal Servers, and a user icon.

The main area has two tabs: Catalogs and Groups. The Groups tab is selected. A search bar says "Search for groups".

A central panel displays the ID: SAP_MM_BCG_Buyer_X1. Below it, there are two tiles:

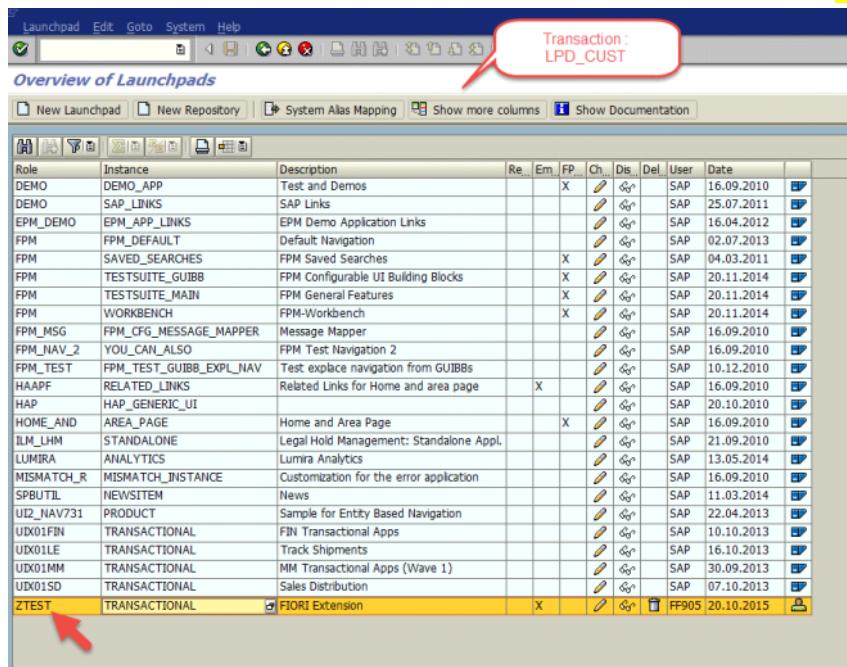
- Track Purchase Order**: Represented by a document icon with a dollar sign.
- Order from Requisitions**: Represented by a document icon with a dollar sign.

To the left of these tiles is a list of roles and their counts:

- Buyer (MM) SAP_MM_BCG_Buyer_X1: 5
- Cost Manager SAP_FIN_BCG_CostManager_X1: 1
- e. Field Sales Representative (SD) SAP_SD_BCG_FIELDSALESREP_X1: 5
- KPI Modeler /UI2/SAP_KPIMOD_TCG_S: 8
- NW EPM HANA Demo Application SAP_EPM_HANA_FIORI_GROUP: 1
- SAP Lumira /UI2/SAP_LUMIRA_GROUP: 2
- Transportation Specialist SAP_LE_BCG_TRANSPSPECIALIST_X1: 1

- 3) Add Target mapping
 - a. Add Target mapping
 - b. Add Visual Tiles
 - c. Add Catalogs to a Group

- 4) Assign catalogs to Roles in PFCG transaction.
- 5) Launchpad <https://sapuxuxd.tcc.etn.com:8443/sap/bc/ui5/ui5/ui2/ushell/shells/abap/FioriLaunchpad.html>

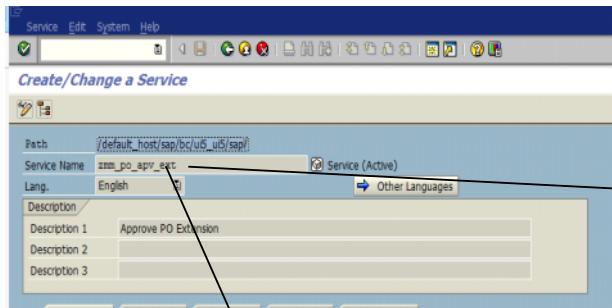


Overview of Launchpads

Transaction LPD_CUST

Role	Instance	Description	Re.	Ern	Fp...	Ch...	Dis...	Del...	User	Date	
DEMO	DEMO_APP	Test and Demos	X						SAP	16.09.2010	
DEMO	SAP_LINKS	SAP Links							SAP	25.07.2011	
EPM_DEMO	EPM_APP_LINKS	EPM Demo Application Links							SAP	16.04.2012	
FPM	FPM_DEFAULT	Default Navigation							SAP	02.07.2013	
FPM	SAVED_SEARCHES	FPM Saved Searches	X						SAP	04.03.2011	
FPM	TESTSUITE_GUIBB	FPM Configurable UI Building Blocks	X						SAP	20.11.2014	
FPM	TESTSUITE_MAIN	FPM General Features	X						SAP	20.11.2014	
FPM	WORKBENCH	FPM-Workbench	X						SAP	20.11.2014	
FPM_MSG	FPM_CFG_MESSAGE_MAPPER	Message Mapper							SAP	16.09.2010	
FPM_NAV_2	YOU_CAN_ALSO	FPM Test Navigation 2							SAP	16.09.2010	
FPM_TEST	FPM_TEST_GUIBB_EXPL_NAV	Test explore navigation from GUIBBS							SAP	10.12.2010	
HAAP	RELATED_LINKS	Related Links for Home and area page	X						SAP	16.09.2010	
HAP	HAP_GENERIC_UI								SAP	20.10.2010	
HOME_AND_AREA_PAGE	AREA_PAGE	Home and Area Page	X						SAP	16.09.2010	
ILM_LHM	STANDALONE	Legal Hold Management: Standalone Appl.							SAP	21.09.2010	
LUMIRA	ANALYTICS	Lumira Analytics							SAP	13.05.2014	
MISMATCH_R	MISMATCH_INSTANCE	Customization for the error application							SAP	16.09.2010	
SPBUTIL	NEWSITEM	News							SAP	11.03.2014	
UI2_NAV731	PRODUCT	Sample for Entity Based Navigation							SAP	22.04.2013	
UX01FIN	TRANSACTIONAL	FIN Transactional Apps							SAP	10.10.2013	
UX01LE	TRANSACTIONAL	Track Shipments							SAP	16.10.2013	
UX01MM	TRANSACTIONAL	MM Transactional Apps (Wave 1)							SAP	30.09.2013	
UX01SD	TRANSACTIONAL	Sales Distribution							SAP	07.10.2013	
ZTEST	TRANSACTIONAL	FIORI Extension	X						FF905	20.10.2015	

Transaction SICF



Create/Change a Service

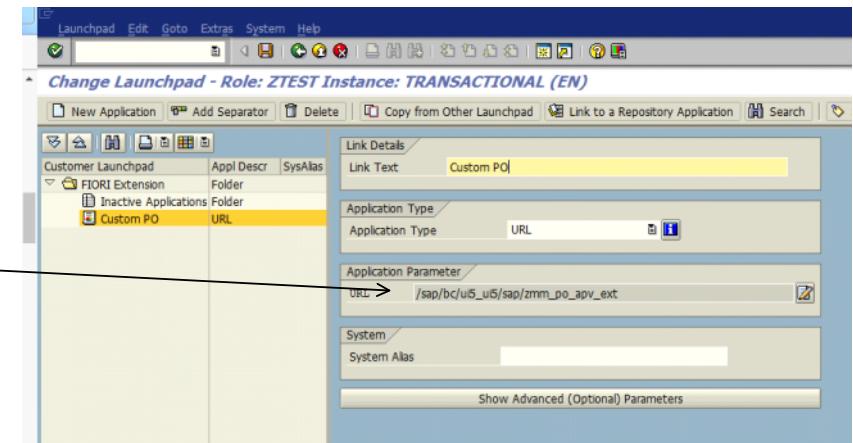
Path: /default_host/sap/bc/ui5/sap/

Service Name: zmm_po_apv_ext Service (Active)

Lang.: English Other Languages

Description:

- Description 1: Approve PO Extension
- Description 2:
- Description 3:



Change Launchpad - Role: ZTEST Instance: TRANSACTIONAL (EN)

Link Details

Link Text: Custom PO

Application Type

Application Type: URL

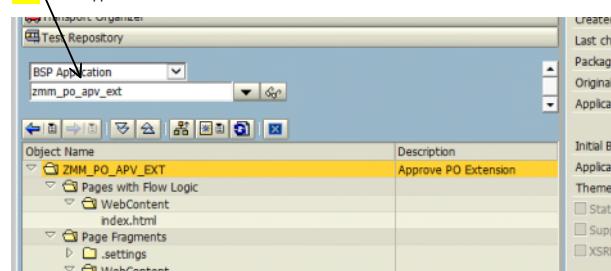
Application Parameter

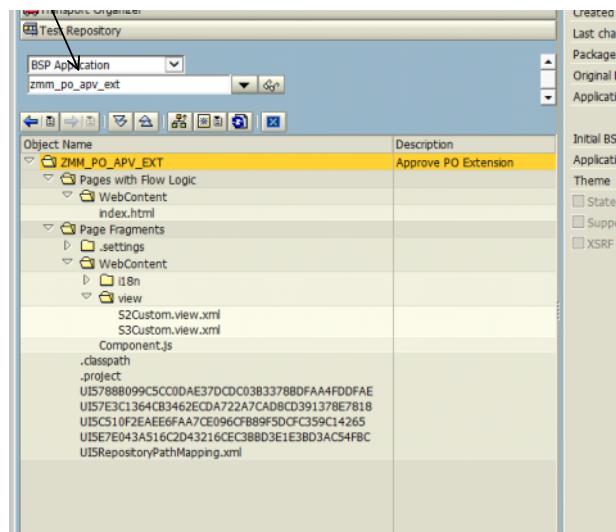
URL: /sap/bc/ui5/sap/zmm_po_apv_ext

System

System Alias:

SE80 -> BSP Application





Active ADT service

Monday, April 24, 2017 9:45 AM

The screenshot shows the SAP Fiori Catalog Configuration interface. The title bar includes 'Service/Host', 'Edit', 'Goto', 'Client', 'System', and 'Help'. The main menu bar has icons for 'Create Host/Service', 'Edit', 'Delete', 'Save', 'Cancel', 'External Aliases', 'System Monitor', and 'Active'. Below the menu is a 'Filter Details' section with fields for 'Virtual Host' (empty), 'Service Path' (empty), 'ServiceName' (ADT), 'Description' (empty), 'Lang.' (English), 'Ref.Service' (empty), and buttons for 'Apply', 'Reset', and 'Fine-Tune'. The main content area displays a table titled 'Virtuelle Hosts / Services' with columns for 'Virtuelle Hosts / Services', 'Documentation', and 'Referenz Service'. The table shows the following structure:

Virtuelle Hosts / Services	Documentation	Referenz Service
default_host	VIRTUAL DEFAULT HOST	SAP NAMESPACE; SAP IS OBLIGED NOT T...
sap	SAP NAMESPACE; SAP IS OBLIGED NOT T...	BASIS TREE (BASIS FUNCTIONS)
bc	BASIS TREE (BASIS FUNCTIONS)	ABAP Development Tools
adt	ABAP Development Tools	

Configuring Remote Systems

Friday, November 12, 2021 10:33 AM

Clipped from:

<https://help.sap.com/doc/b741f5bddac6437f8eca824ff4159c6d/1610%20001/en-US/frameset.htm?4103c832092c4d2da22adb8ddefccbc7.html>

undefined