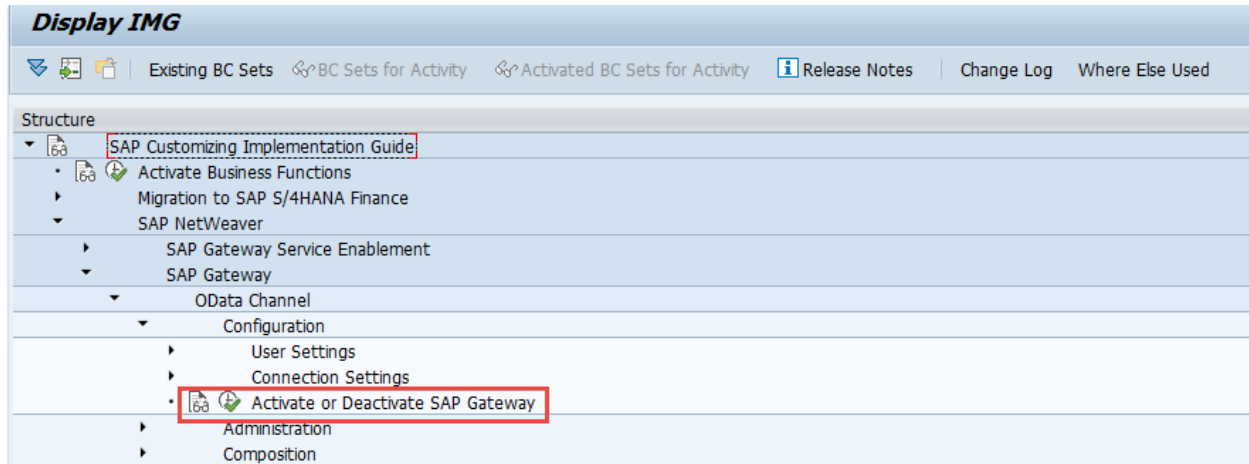


Setup of SAP Fiori Launchpad SAP

1. Enable Gateway

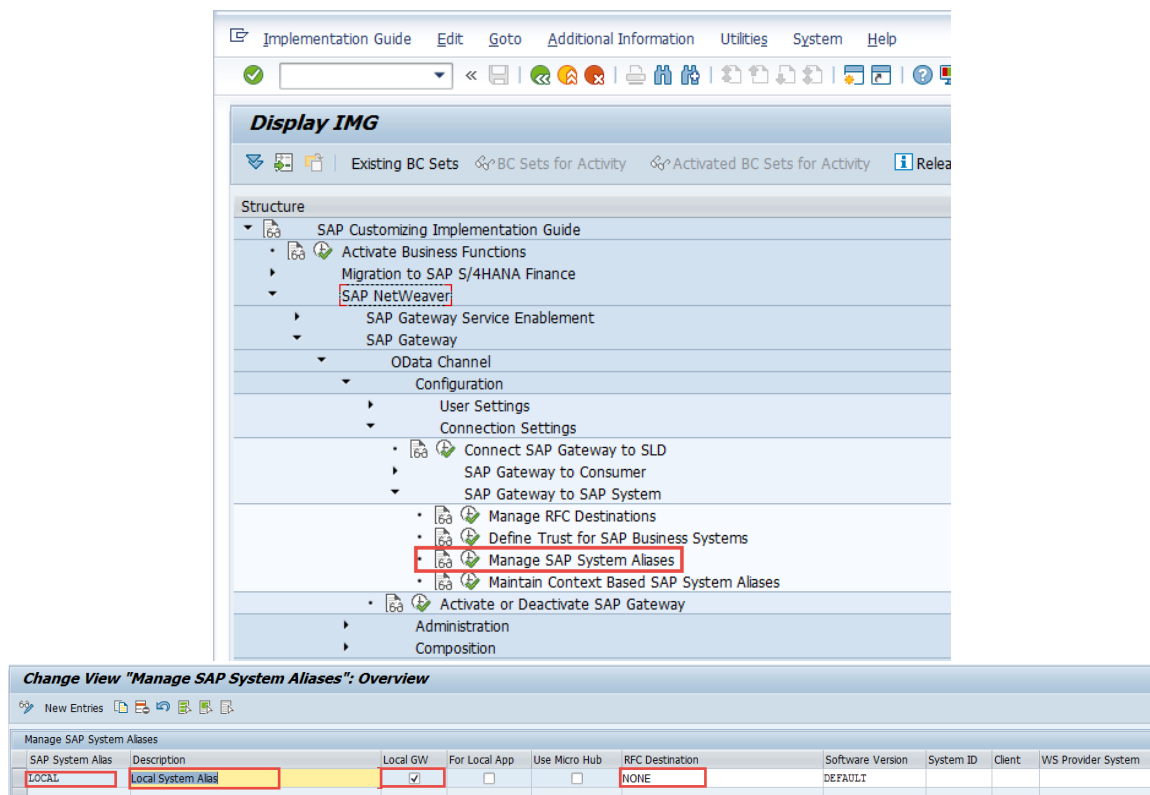
- Tcode: SPRO
- SAP Reference IMG -> SAP NetWeaver -> SAP Gateway -> OData Channel -> Configuration -> Activate or Deactivate SAP Gateway



2. Enable Fiori Launchpad

2.1. Manage SAP System Aliases

- Tcode: SPRO
- SAP Reference IMG -> SAP NetWeaver -> Gateway -> OData Channel -> Configuration -> Connection Settings -> SAP Gateway to SAP System -> Manage SAP System Aliases



2.2. Activate and maintain services

🔧 Tcode: /N/IWFND/MAINT_SERVICE

🔧 Activating the following services

Using the system alias defined in the Customizing activity Manage SAP System Alias, in Customizing choose SAP NetWeaver Gateway OData Channel Administration General Settings Activate and Maintain Services and activate the following OData services:

- /UI2/PAGE_BUILDER_CONF - This is used by the launchpad designer.
- /UI2/PAGE_BUILDER_CUST - This is used by the launchpad designer.
- /UI2/PAGE_BUILDER_PERS - This is used by the launchpad.
- /UI2/TRANSPORT- This is used by the launchpad designer.
- /UI2/INTEROP - This is used by the launchpad and launchpad designer.

For information about activating these services, see the SAP Gateway Developer Guide at <http://help.sap.com/netweaver> SAP NetWeaver Gateway Development Information SAP NetWeaver Gateway Developer Guide OData Channel Basic Features Service LifeCycle Activate and Maintain Services .

The screenshot displays the 'Activate and Maintain Services' interface in SAP NetWeaver Gateway. It is divided into three main sections: 'Service Catalog', 'ICF Nodes', and 'Add Selected Services'.

Service Catalog: This section contains a table listing various services. The table has columns for Type, Technical Service Name, Service Description, External Service Name, Namespace, OData, Soft State, and Processing Mode. Several services are listed, including 'Gateway service for ADT', 'Draft Lifecycle Administrative Data', 'Vocan View: Sales Order Datafield UI Anno', 'Catalog Service', 'Data Aging Manage Groups', 'Data Aging Monitor Objects', and various EPM OIA services. The 'ADT' service is highlighted in yellow.

ICF Nodes: This section shows a table with columns for Status, ICF Node, Session Time-out, Soft State, Description, and Standard Mode. The 'ODATA' node is highlighted in yellow.

Add Selected Services: This section is used to select backend services. It includes a filter section with fields for System Alias (set to 'LOCAL'), Technical Service Name (set to '/UI2*'), Version, and External Mapping ID. Below the filter is a table titled 'Select Backend Services' with columns for Type, Technical Service Name, Ver., Service Description, External Service Name, Namespace, External Mapping ID, O Service, Soft State, Status, S, and M Service. The 'PAGE_BUILDER_CONF' service is highlighted in yellow.

If test the odata with 403 error

Transaction Code STC01

Task list Tasks in MF1 configuration guide

1 SAP_GATEWAY_BASIC_CONFIG → Activate Gateway and UI5 Services → Activation of SAP NetWeaver Gateway

2 SAP_FIORI_LAUNCHPAD_INIT_SETUP → Add Gateway and UI5 Services → Activate Gateway and UI5 Services

3 SAP_SAP2GATEWAY_TRUSTED_CONFIG → Creating trusted RFC to each Backend System

4 SAP_GATEWAY_ADD_SYSTEM → Creating trusted RFC to each Backend System → Creating the SAP System Alias for Applications

The screenshot displays the SAP Task Manager interface for technical configuration. The top section, titled "Task Manager for Technical Configuration", includes a toolbar with icons for document, undo, redo, delete, and information. A red box highlights the "Run" icon (a green circle with a white play button). Below the toolbar, the "Task List" section shows a single task: "SAP_GATEWAY_BASIC_CONFIG" with a yellow highlight and a red box around it. To the right of this task is a button labeled "SAP Gateway - Basic Configuration".

The bottom section, titled "Display Task List Run SAP_GATEWAY_BASIC_CONFIG_20180105055805133", shows the execution details of the task. It includes a toolbar with icons for document, undo, redo, delete, and information. Below the toolbar, the "Task List" section shows the task "SAP_GATEWAY_BASIC_CONFIG" with a yellow highlight and a red box around it. To the right of this task is a button labeled "SAP Gateway - Basic Configuration". Below the "Task List" section is a table with the following columns: E..., C..., S..., L..., Phase, Comp., Task Description, H..., P..., and Parameter Description.

E...	C...	S...	L...	Phase	Comp.	Task Description	H...	P...	Parameter Description
<input type="checkbox"/>	✓	✓	✓	Configuration	SICF	Activate HTTP Services for NW Gateway (SICF)			
<input type="checkbox"/>	✓	✓	✓	Configuration	GATEWAY	Gateway Activation (/IWFND/IWF_ACTIVATE)			
<input type="checkbox"/>	✓	✓	✓	Configuration	GATEWAY	Metadata Cache Activation (/IWFND/MED_ACTIVATE)			
<input type="checkbox"/>	✓	✓	✓			Report /IWFND/R_COF_VIRUS_PROFILE - SAP Gateway Virus Scan Profile Configuration			
<input type="checkbox"/>	✓	✓	✓	Configuration	GATEWAY	Configuration Parallelization of Batch Queries (/IWBEP/BATCH_CONFIG)			
<input type="checkbox"/>	✓	✓	✓	Cleanup	GATEWAY	Gateway Metadata Cache Cleanup (/IWFND/CACHE_CLEANUP)			
<input type="checkbox"/>	✓	✓	✓	Cleanup	GATEWAY	OData Metadata Cache Cleanup (/IWBEP/CACHE_CLEANUP)			

Add Service

Service

Technical Service Name: ZPAGE_BUILDER_CONF
Service Version: 1
Description: Pagebuilder - Configuration level
External Service Name: PAGE_BUILDER_CONF
Namespace: /UI2/
External Mapping ID:
External Data Source Type: C

Model

Technical Model Name: ZPB_MODEL
Model Version: 1

Creation Information

Package Assignment: ZV0
Local Object

ICF Node

☒ Standard Mode
☒ Set Current Client as Default Client in ICF Node

OAuth enablement

☐ Enable OAuth for Service

Prompt for local Workbench request

SAP Gateway: Model ... ZPB_MODEL_0001_BE
Request: SD4K900010 ☐ Workbench request
Short Description: Fiori launchpad configuration
Own Requests

✓ ✗

2.3. Activate SICF Services for SAP Fiori Launchpad

✚ Tcode: SICF

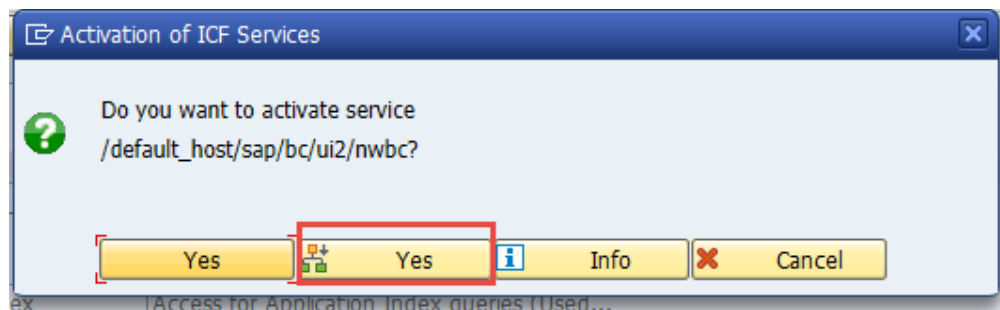
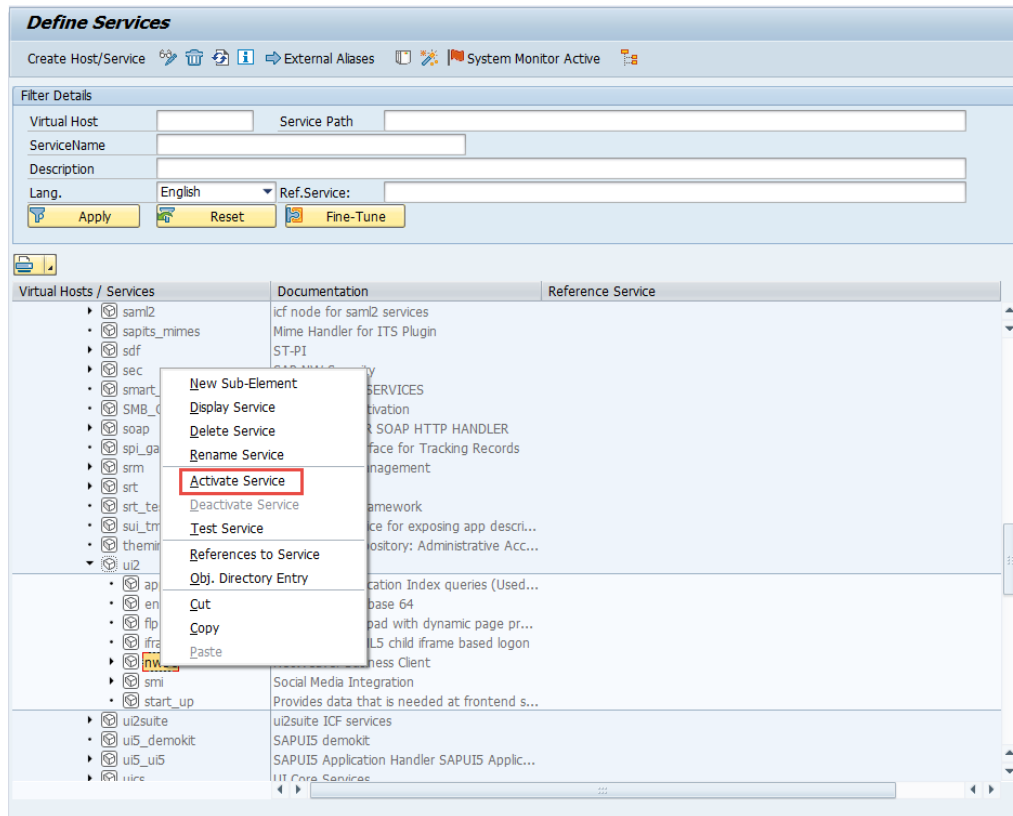
✚ Activate the services under the following subtrees

- /default_host/sap/bc/ui2/nwbc/
- /default_host/sap/bc/ui2/start_up
- /default_host/sap/bc/ui5_ui5/sap/ar_srvc_launch
- /default_host/sap/bc/ui5_ui5/sap/ar_srvc_news
- /default_host/sap/bc/ui5_ui5/sap/arsrvic_upb_admn
- /default_host/sap/bc/ui5_ui5/ui2/ushell
- /default_host/sap/public/bc/ui2
- /default_host/sap/public/bc/ui5_ui5

Define Services

Filter for Calling ICF Hierarchy

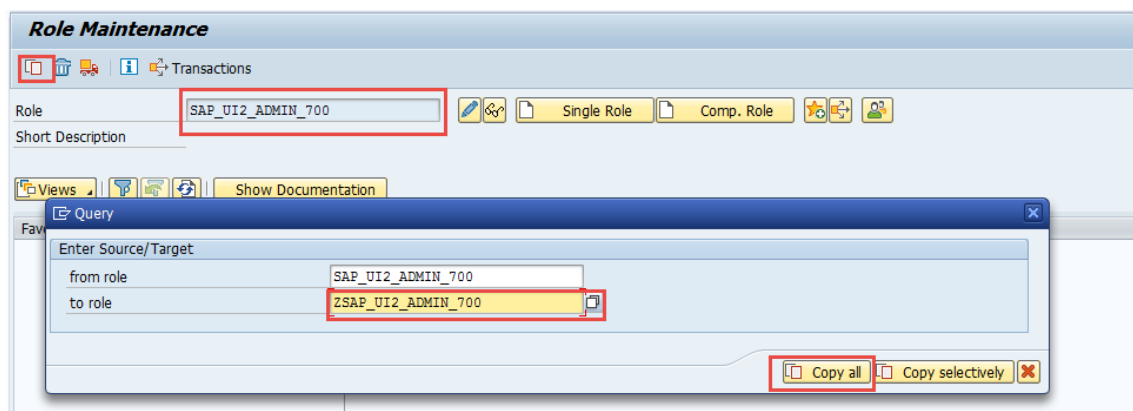
Hierarchy Type: SERVICE
Virtual Host:
Service Path:
Service Name:
Reference Service:
Description:
Language: English



2.4. Assign Administrator Role for SAP Fiori Launchpad to Administrator User

✚ Tcode: PFCG

✚ Copy the role



Role Maintenance

Transactions

Role:

Short Description: Administration tasks of UI technologies starting SAP NetWeaver 7.00

Views

Favorites	Description	Target Sys

Change Roles

Other role ☐ Inheritance

Role: ☐ Obsolete
 Description:
 Target System: ☒ No destination

Description Menu Workflow Authorizations User MiniApps Personalization

Transaction From Menus Additional Activities Other Node Details Menu Options

Hierarchy

- Role Menu
 - Global Invalidation of UI2 chaches
 - UI2 Setup User Feedback Service
 - R3TR IWSV /UI2/INTEROP 0001
 - R3TR IWSV /UI2/TRANSPORT 0001
 - R3TR IWSV /UI2/LAUNCHPAD 0001
 - R3TR IWSV /UI2/PAGE_BUILDER_CONF 0001
 - R3TR IWSV /UI2/PAGE_BUILDER_CUST 0001
 - R3TR IWSV /UI2/PAGE_BUILDER_PERS 0001
 - Cleanup Personalisation Service
 - Transport Organizer
 - Application Log: Display Logs

Node Details

Type:

Object:

Text:

Change Roles

Other role ☐ Inheritance

Role: ☐ Obsolete
 Description:
 Target System: ☒ No destination

Description Menu Workflow Authorizations User MiniApps Personalization

Transaction From Menus Additional Activities Other Node Details Menu Options

Hierarchy

- Role Menu
 - Global Invalidation of UI2 chaches
 - UI2 Setup User Feedback Service
 - R3TR IWSV /UI2/INTEROP 0001
 - R3TR IWSV /UI2/TRANSPORT 0001
 - R3TR IWSV /UI2/LAUNCHPAD 0001
 - R3TR IWSV /UI2/PAGE_BUILDER_CONF 0001
 - R3TR IWSV /UI2/PAGE_BUILDER_CUST 0001
 - R3TR IWSV /UI2/PAGE_BUILDER_PERS 0001
 - Cleanup Personalisation Service
 - Transport Organizer
 - Application Log: Display Logs

Report

- Authorization Default
- Web Dynpro Application
- BSP Application
- SAP Fiori Tile Group
- SAP Fiori Tile Catalog
- BEx Web Item
- BEx Web Template
- External mail system
- FLP_APP_PROVIDER
- Generic Web Address (URL Template)
- Knowledge Warehouse
- LaunchPad Reference
- Predefined URLs from directory
- SAP BW Crystal Report URL
- SAP BW Enterprise Report
- SAP BW InfoSet Query URL
- SAP BW Query URL
- SAP BW Web Item Library URL
- SAP BW Web Template URL
- SAP BW Aggregation Level
- SAP BW Data Access Service
- SAP BW Enterprise Report Reusable Element
- SAP BW Planning Function
- SAP BW Planning Sequence
- SAP UCON Communication Assembly
- SAP Xcelcius Dashboard
- SAPScript (Texts defined with SE61)
- View for a Data Provider
- Web Source from DragRelate Servlet
- Web address or file
- WebClient Application

Change Roles

Other role Inheritance

Service

Authorization Default: TADIR Service

Program ID: R3TR

Obj. Type: IWSG SAP Gateway: Service Groups Metadata

TADIR Service	Text
---------------	------

Menu Options

Change Roles

Other role Inheritance

Service

Authorization Default: TADIR Service

Program ID: R3TR

Obj. Type: IWSG SAP Gateway: Service Groups Metadata

TADIR Service	Text
---------------	------

Object Name 10 Entries

PgID	Obj.	Object Name
<input type="checkbox"/>	R3TR	IWSG /IWFND/SG_MED_CATALOG_0002
<input type="checkbox"/>	R3TR	IWSG ADT_0001
<input type="checkbox"/>	R3TR	IWSG DAAG_MNGGRP_0001
<input type="checkbox"/>	R3TR	IWSG DAAG_MONOBJ_0001
<input type="checkbox"/>	R3TR	IWSG EPM_OIA_BPFACISHEET_SRV_0001
<input checked="" type="checkbox"/>	R3TR	IWSG ZINTEROP_0001
<input checked="" type="checkbox"/>	R3TR	IWSG ZPAGE_BUILDER_CONF_0001
<input checked="" type="checkbox"/>	R3TR	IWSG ZPAGE_BUILDER_CUST_0001
<input checked="" type="checkbox"/>	R3TR	IWSG ZPAGE_BUILDER_PERS_0001
<input checked="" type="checkbox"/>	R3TR	IWSG ZTRANSPORT_0001

☒ ☐ ☐ ☐ ☐ ☐

Copy

☐ ☐ ☐ ☐ ☐ ☐

Change Roles

Other role | Inheritance |

Role
Role: ☐ Obsolete
Description:
Target System: ☒ No destination

Description | ☒ Menu | ☒ Workflow | **☒ Authorizations** | ☒ User | MiniApps | Personalization

Created
User:
Date:
Time:

Last Changed
User:
Date:
Time:

Information About Authorization Profile
Profile Name:
Profile Text:
Status: No authorization data exists

Edit Authorization Data and Generate Profiles
 Change Authorization Data
 Expert Mode for Profile Generation

Change Roles

Other role | Inheritance |

Role
Role: ☐ Obsolete
Description:
Target System: ☒ No destination

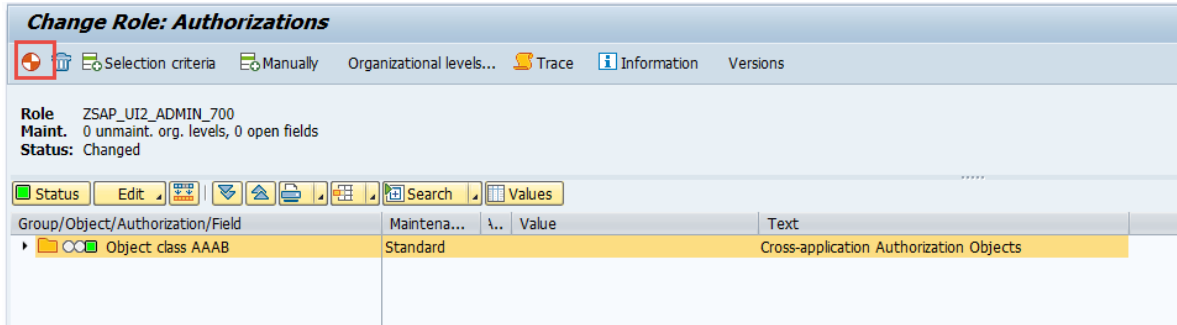
Description | ☒ Menu | ☒ Workflow | **☒ Authorizations** | ☒ User | MiniApps | Personalization

Created
User:
Date:
Time:

Last Changed
User:
Date:
Time:

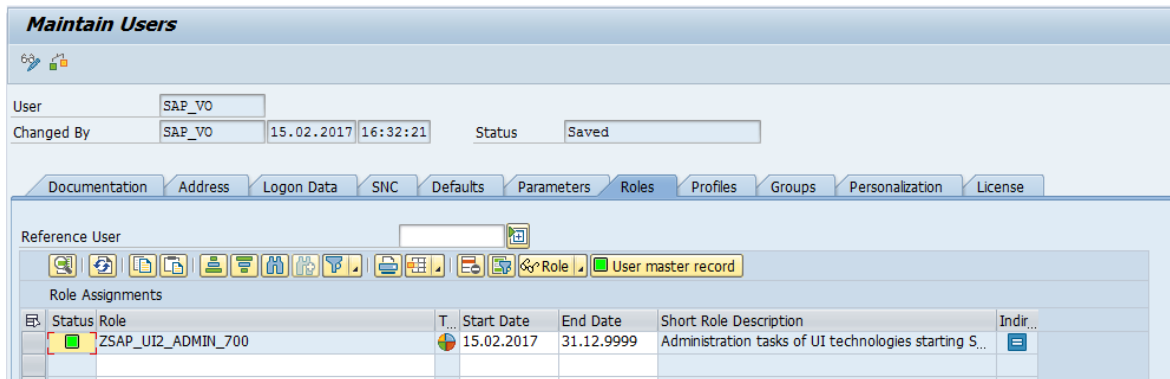
Information About Authorization Profile
Profile Name:
Profile Text:
Status: No authorization data exists

Edit Authorization Data and Generate Profiles
 Change Authorization Data
 Expert Mode for Profile Generation



2.5. Assign Role with Launchpad Start Authorization for End Users

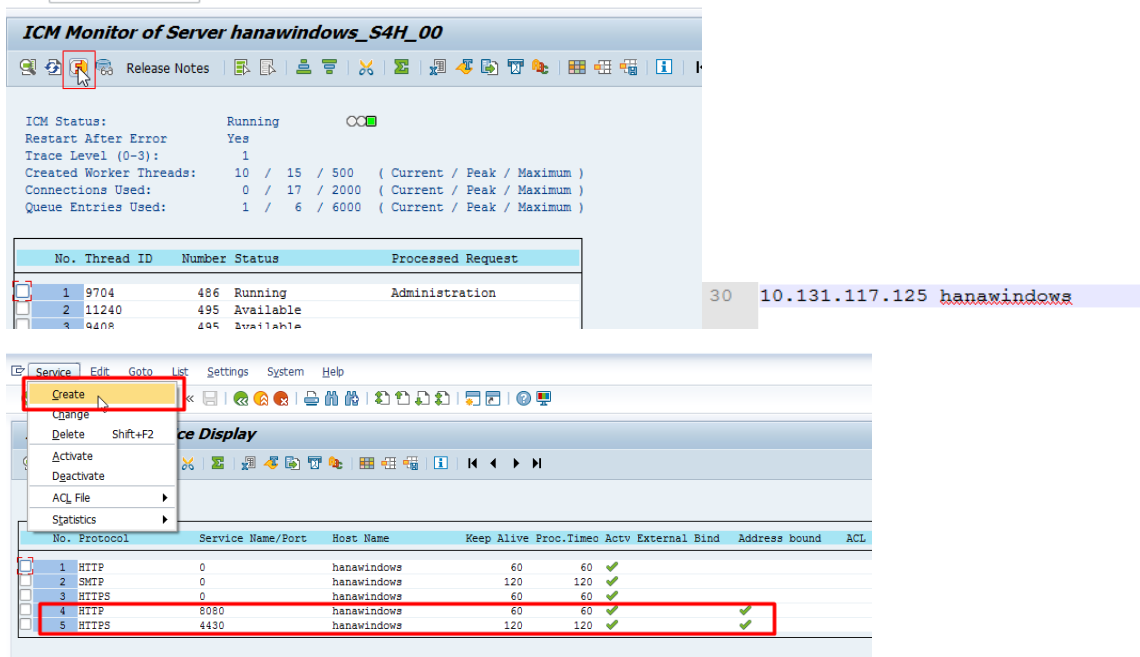
Tcode: SU01



2.6. Service and port config

Tcode: SMICM

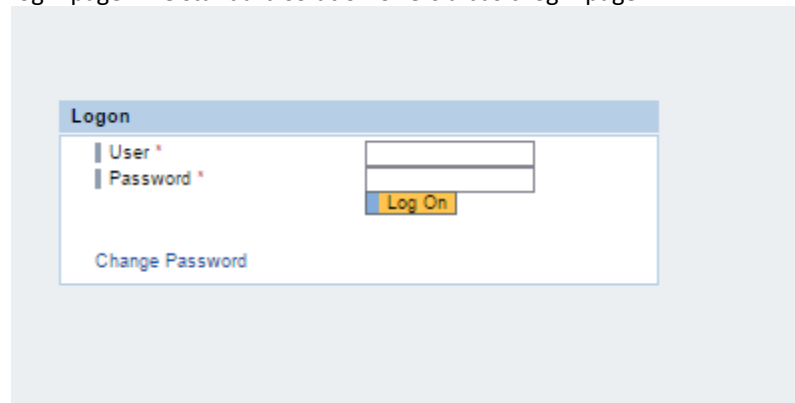
If there is no http and https service and port and now service and add the host name to the file C:\Windows\System32\drivers\etc\hosts



2.7. Ass configure Fiori Login

Login Page Configuration:

The Fiori Launchpad is the landing page for Fiori applications. As with the portal, the user has to pass through the login page. The standard solution offers a basic login page.



You will be required to perform one or all of the following aspects of the login page:

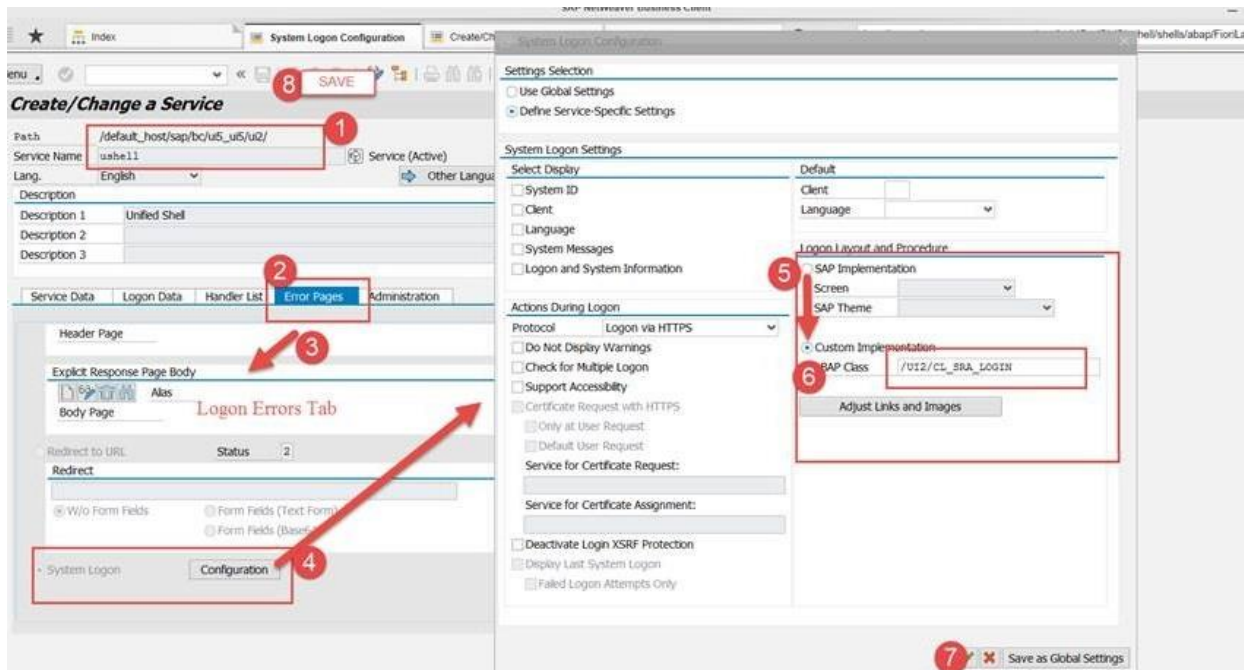
1. **Configuration of Login Screen for Launchpad Designer to “New” SAP Fiori Login Page**
2. **Replace the images in the Login page**
3. **Replace the SAP logo on Login page**
4. **Modify the CSS of the Login page**

2.6.1 Configuration of Login Screen for Launchpad Designer to “New” SAP Fiori Login Page:

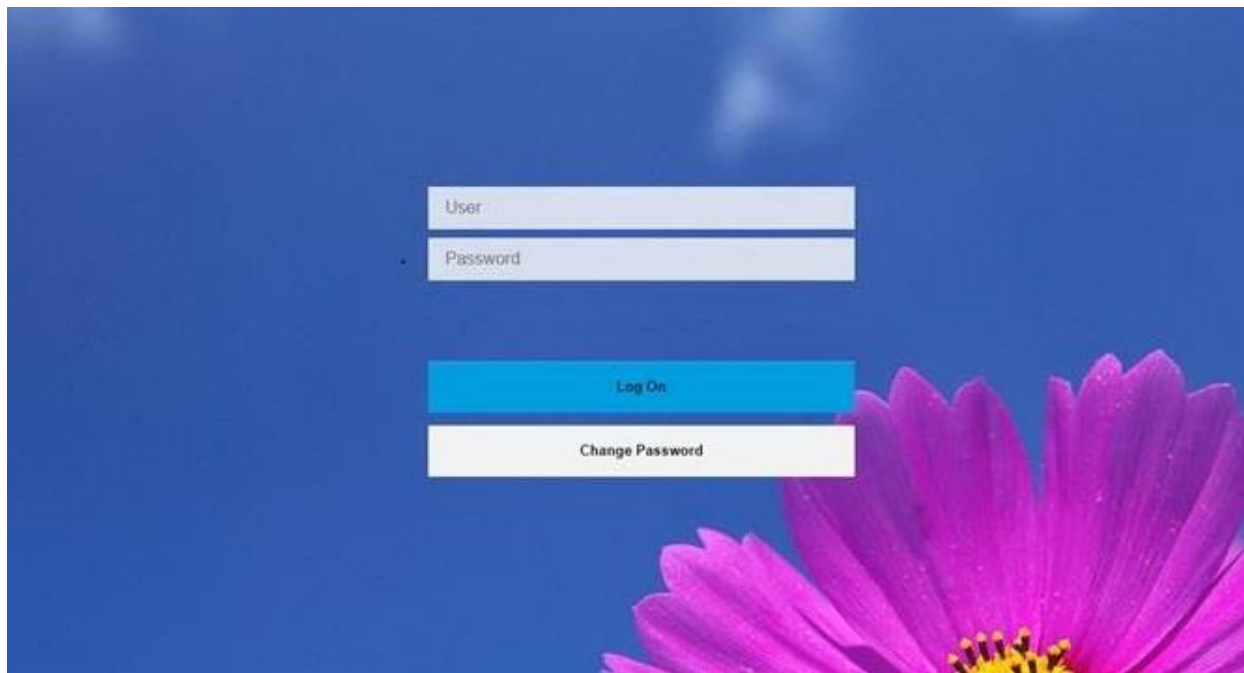
To perform this configuration, you need the administrator rights on the system.

The steps to be followed are as follows:

1. Under SICF transaction, navigate to default_host > sap > bc > ui5_ui5 > ui2 > ushell
2. Click on the tab “Error Pages” and navigate to tab “Logon Errors”.
3. Select System Logon radio button and choose Configuration button. Enter the following:
4. Under Settings Selection section, select Define Service-Specific Settings radio button.
5. Under Logon Layout and Procedure section, select Custom Implementation radio button and enter /UI2/CL_SRA_LOGIN in the ABAP Class field.
6. Save your entries.



Once the configuration shown is complete, the login screen should appear as shown in the below image.



2.6.1 Replace the images in the Logon page:

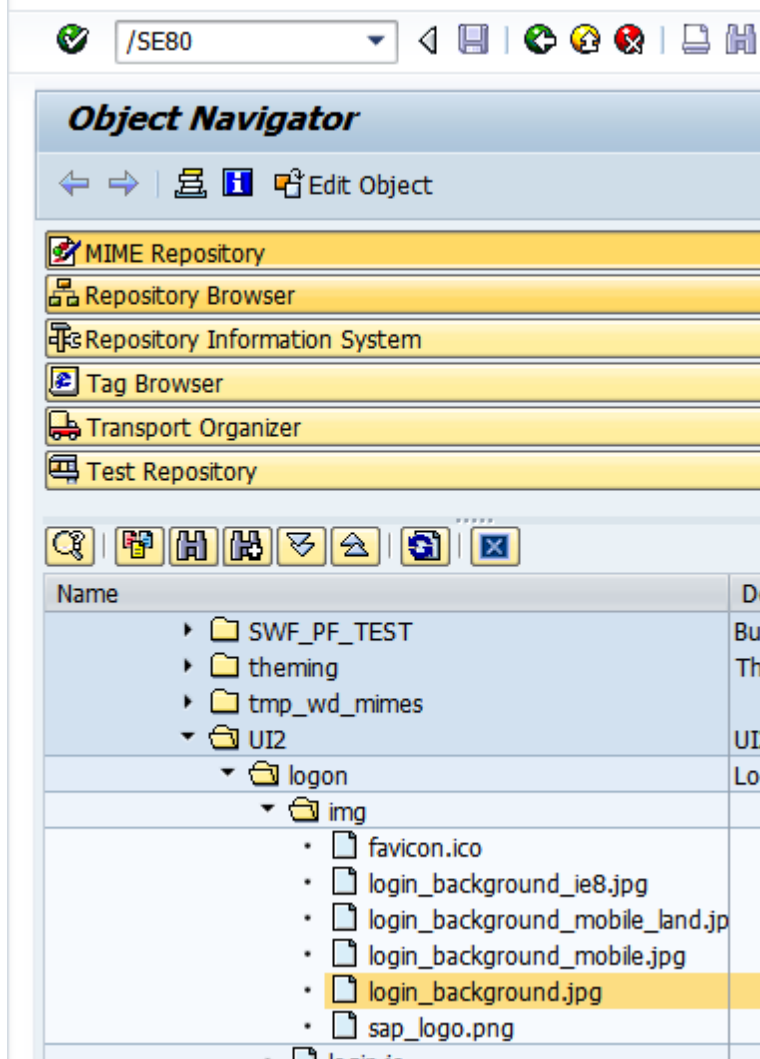
Once you have the login page configured, you may have to replace the images in the login page.

The class `/UI2/CL_SRA_LOGIN` is the implementation of the "New" login page. You can navigate through the class and its methods to get a deeper insight into the logic behind the construction of the login page.

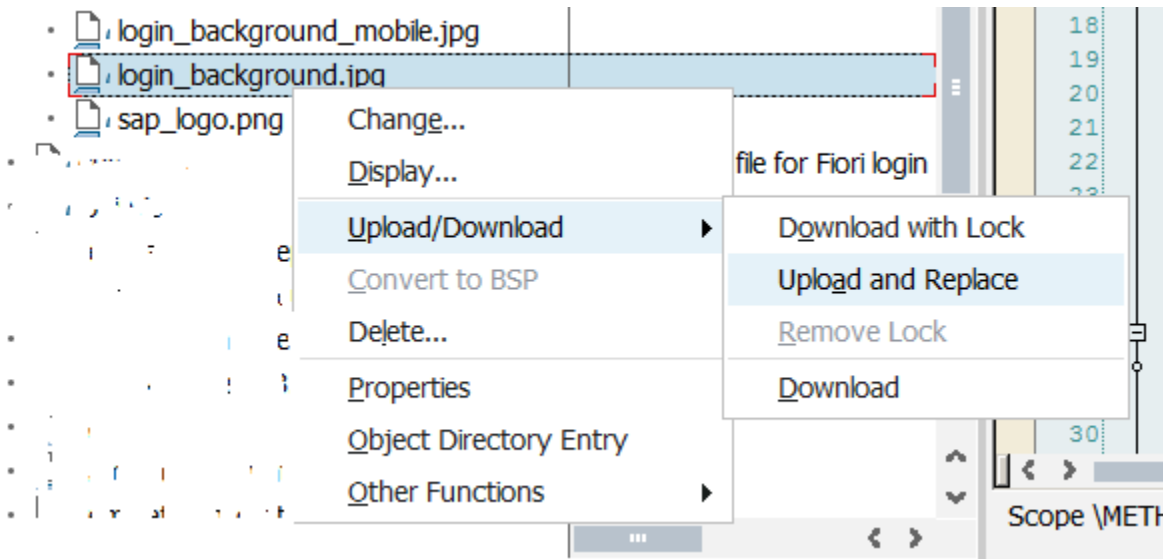
In the class, the method `INIT_DEFAULT_PARAMETERS` is used to set the images and style-sheets for the login page.

To Replace the image Goto Transaction SE80.

The background image for the login page is located in the mime repository under the path: "/sap/public/bc/ui2/logon/img/".



To replace the background image, Right-Click on the "login_background.jpg" file. Under the context "Upload/Download" select option "Upload and Replace".



In the windows prompt, select the custom file (in your local disk) which you wish to set as the background.
Job Done.

Note: The file name will still be “login_background.jpg” but internally the image will be replaced with your custom image.

2.6.3 Replace the SAP logo on Login page:

Follow the steps performed to replace the background image. Perform the “Upload and Replace” on the sap_logo.png file.

Note: SAP may prompt you to choose a transport request under which the change is to be performed.

2.6.4 Modify the CSS of the Login page:

The CSS file for the login page is set to a file in the mime repository. The file name is “template_css.css” and the path to it is: “/sap/public/bc/ui2/logon/”.

Option 1: Change the file “template_css.css”

Right-Click on the “template_css.css” file. Select option “Change...” Now, a text editor should open the CSS file. Perform the modifications to the file and “Save” your changes.

Note: Transport request may be required to save your changes.

Option 2: Enhance/Modify the method “INIT_DEFAULT_PROPERTIES”

Modify the method “INIT_DEFAULT_PROPERTIES” code to refer you your custom CSS file in the mime repository.

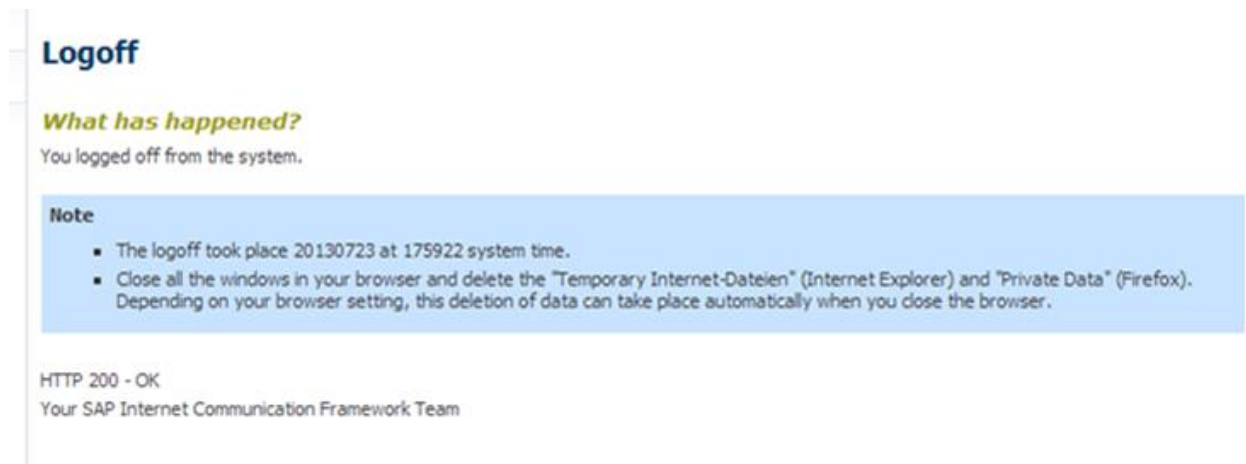
Method	INIT_DEFAULT_PROPERTIES	Active
1	<code>METHOD init_default_properties.</code>	
2	<code>log_method(name = '/ui2/cl_sra_login->init_default_properties' msg = 'iv_context={&A&}' a = iv_context</code>	
3		
4	<code>init_langu_rtl().</code>	
5		
6	<code>" Common properties</code>	
7	<code>set_property(iv_name = 'header_visible' iv_value = 'false').</code>	
8	<code>set_property(iv_name = 'img_favicon' iv_value = '/sap/public/bc/ui2/logon/img/favicon.ico').</code>	
9	<code>set_property(iv_name = 'img_logo' iv_value = '/sap/public/bc/ui2/logon/img/sap_logo.png').</code>	
10	<code>set_property(iv_name = 'img_logo_width' iv_value = '64').</code>	
11	<code>set_property(iv_name = 'img_background' iv_value = '/sap/public/bc/ui2/logon/img/login_background.jpg'</code>	
12	<code>set_property(iv_name = 'img_background_mobile' iv_value = '/sap/public/bc/ui2/logon/img/login_backgrou'</code>	
13	<code>set_property(iv_name = 'img_background_mobile_land' iv_value = '/sap/public/bc/ui2/logon/img/login_bac'</code>	
14	<code>set_property(iv_name = 'label_copyright' iv_value = m_txt_copyright).</code>	
15	<code>set_property(iv_name = 'label_user' iv_value = m_txt_label_user).</code>	
16	<code>set_property(iv_name = 'script_included' iv_value = '/sap/public/bc/ui2/logon/login.js').</code>	
17	<code>set_property(iv_name = 'style_confirmpwd_error' iv_value = 'sapUiSraTextError').</code>	
18	<code>set_property(iv_name = 'template_css' iv_value = '/sap/public/bc/ui2/logon/template_css.css').</code>	
19	<code>set_property(iv_name = 'template_css_ie8' iv_value = '/sap/public/bc/ui2/logon/template_css_ie8.css').</code>	
20	<code>set_property(iv_name = 'ui5_theme' iv_value = 'sap_bluecrystal').</code>	
21	<code>set_property(iv_name = 'text_error_user_initial' iv_value = m_txt_login_error_user_initial).</code>	
22	<code>set_property(iv_name = 'text_error_pwd_initial' iv_value = m_txt_login_error_pw_initial).</code>	
23	<code>set_property(iv_name = 'text_error_client_initial' iv_value = m_txt_login_error_clnt_init).</code>	
24	<code>set_property(iv_name = 'button_focus_color' iv_value = '#d0d0d0').</code>	
25	<code>set_property(iv_name = 'button_submit_focus_color' iv_value = '#007cc0').</code>	

Note: Access Key would be required to perform your changes on the standard method.

2.8. Ass configure Fiori Login\Logout Page

🔧 Log off screen configuration:

By default log off screen would be set as below



Instead you can configure the page to be redirected to loginpage.

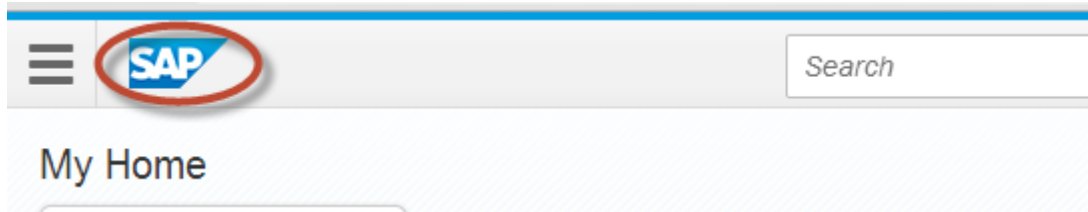
1. Login to Fiori ECC system having proper authorization.
2. Execute transaction SICF and go to node **/sap/public/bc/icf/logoff**
3. Once the service loads, navigate to Error Pages->Logoff Page->Redirect to URL. Click on the pencil icon on the top left screen and enter the redirection URL **as/sap/bc/ui5_ui2/ushell/shells/abap/Fiorilaunchpad.html**
4. Click on Save button to save your entries.
5. After clicking on Save button, the wizard will prompt for credentials. The password entry needs to be made here to complete this implementation.

3. Theme Designer. SAP Fiori launchpad

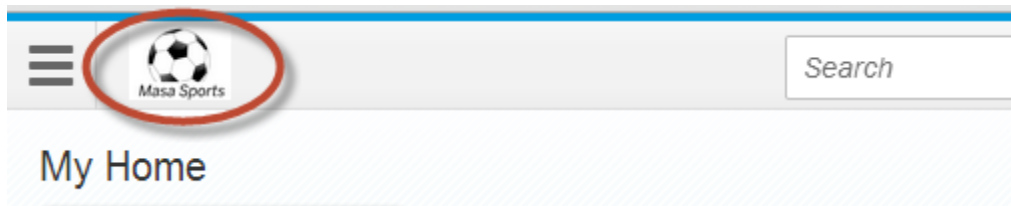
3.1. setup your company logo in SAP Fiori Launchpad

You can set your company logo in SAP Fiori launchpad.

Standard delivery:



Replacing with your company logo.



There is logo property and you can change it by [Theme Designer](#).

Prerequisites:

- You have installed UI Add-on SP12
- [SAP Fiori – UI Add-on SP12 notes list](#), [SAPUI5 library 1.28.5](#)

Steps:

1. Start UI Theme Designer on Frontend server (Gateway server)

Transaction: /UI5/THEME_DESIGNER

or

URL: <https://<host>.<domain>:<port>/sap/bc/theming/theme-designer?sap-client=<client>>

2. Copy theme and give a name

Theme Designer - Select Theme

Available Themes

All

Open Duplicate Rename Rebuild Delete

Theme Name	Theme
SAP Blue Crystal	sap_blue
SAP Corbu	sap_corb
SAP Gold Reflection	sap_gold
SAP High Contrast Black	sap_hcb
SAP Tradeshow	sap_trad

Theme ▾ Help ▾

masa ORIGINAL

Target Pages +

Applications

UI5 Control Previews ⚙

UI5 Application Previews ⚙

Add Target Content

Application

Link to Application:

Name of Application:

Add

3. Add a test app. Specify the URL for SAP Fiori launchpad.

Link to

Application: `https://<host>.<domain>:<port>/sap/bc/ui5_ui2/ushell/shells/abap/Fiorilaunchpad.html?sap-client=<client>`

Name of Application: any name

*Note: Please make sure you use same http protocol with Theme Designer. http or https.

Quick**Expert****CSS****Color**

Base Color

#808080

Brand Color

#009de0

Highlight Color

#007cc0

Font

Link Color

#00679e

Text Color

#000

Image

Background Image

"

Background Image Opacity

A horizontal slider control with a blue track and a white handle, currently positioned at the right end.

Background Image Repeat

true

Image Background Color

"

Logo

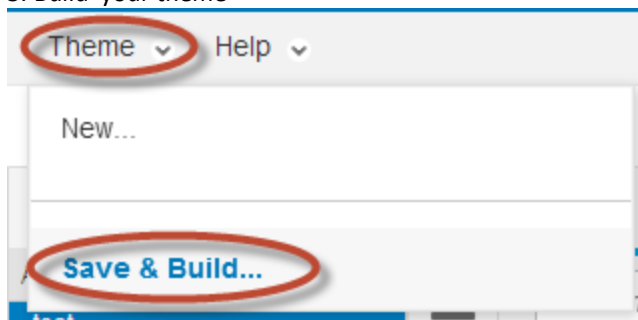
"





You can also change other properties to apply your company brand colors.

5. Build your theme



Save & Build [X]

Based On: sap_bluecrystal

Theme ID: masa

Name: masa

Vendor:

☐ Create RTL Theme

Save & Build Cancel

Save & Build completed [X]

✓ Theme "masa" has been saved & built

OK

Your theme was generated and your company log was uploaded to the frontend server.

6. Find the theme parameter

Transaction: /UI5/THEME_TOOL

UI Theming: Tool for Customer Themes Maintenance

UI Theming: Tool for Customer Themes Maintenance

Theme	masa	[Info]	[Transport]
Base/baseLib		8 T003866	

UI Theming: Tool for Customer Themes Maintenance

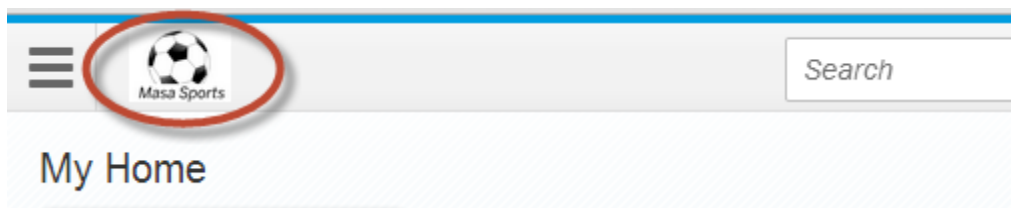
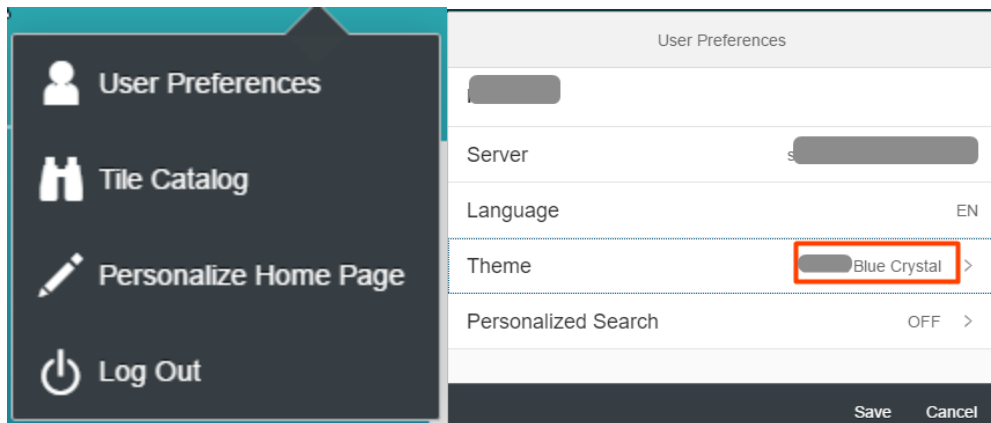
URL Parameters for theme masa:

sap-theme=masa@ /sap/public/bc/themes/~client-100/~cache-HuUCpfmyLnoWzEJMBVMWadXR274
 sap-cssurl= /sap/public/bc/themes/~client-100/~cache-HuUCpfmyLnoWzEJMBVMWadXR274/~lega

Your theme parameter is "sap-theme=masa@https://<host>.<domain>:<port>/sap/public/bc/themes/~client-<client>"

*Note: "~client-<client>" specify the client with "-", not "=".

7. Test SAP Fiori launchpad with theme parameter.



Please also take a look [How to set a theme parameter to SAP Fiori launchpad](#).
For example, users just call `https://<host>.<domain>:<port>/fiori`

4. Upload UI5 Application

- ✚ Tcode : SE38
- ✚ Run program : /UI5/UI5_REPOSITORY_LOAD

A screenshot of the SAPUI5 Repository Load dialog. The title bar reads 'Upload, Download, or Delete Apps to or from SAPUI5 ABAP Repository'. Below the title bar is a section titled 'Specify SAPUI5 App and Select Operation'. It contains instructions: 'Specify the name of the SAPUI5 app and select whether you want to upload, download, or delete it to or from the SAPUI5 ABAP repository. Source or target is the local file system of your PC.' There is a text input field for 'Name of SAPUI5 App' containing 'ZTEST', which is highlighted with a red rectangle. Below this are three radio buttons: 'Upload' (selected), 'Download', and 'Delete'. At the bottom, there is a checked checkbox labeled 'Adjust Line Endings on Upload'.

Load SAPUI5 Application from File System to the SAPUI5 ABAP Repository

This is going to happen when you confirm at the end of this list ...

* Create SAPUI5 Application ZTEST *

Upload File : C:\Users\I309444\Desktop\ZHelloWorld\webapp\i18n\i18n.properties (Text)
Create Folder : C:\Users\I309444\Desktop\ZHelloWorld\webapp\model
Upload File : C:\Users\I309444\Desktop\ZHelloWorld\webapp\model\models.js (Text)
Create Folder : C:\Users\I309444\Desktop\ZHelloWorld\webapp\view
Upload File : C:\Users\I309444\Desktop\ZHelloWorld\webapp\view\App.view.xml (Text)

* Items to be ignored have been determined from the built-in standard settings. *
* Text files have been identified from standard settings. *
* Binary files have been identified from standard settings. *
* The adjustment of line endings has been requested. *

[Click here to Upload]

Enter Parameters for Upload into BSP Application ...

Description: test
Package: ZVO
Transport Request: SD4K900010
External Codepage: UTF-8

5. Add semantic object

Tcode: /N/UI2/SEMOBJ

Display View "Semantic Objects - SAP Delivery": Overview

Semantic Object	Semantic Object Name	Applic. Component	Semantic Object Description
ABOPRun	ABOP Run	CA-ATP	A mass ATP-check for all ATPRequirements of an aBOPVariant. An aBOPRun normally is scheduled as a background job and changes the ATPRequirements of an aBOPVariant.
ABOPSegment	ABOP Segment	CA-ATP	Definition how to generate a sorted list of ATPRequirements. An ATPSegment consists of a filter and a prioritizer. The filter controls the selection of ATPRequirements and the prioritizer defines the order of the ATPRequirements.
ABOPVariant	ABOP Variant	CA-ATP	Collection of parameters which define how a set of ATPRequirements should be mass ATP-checked. A aBOPVariant consists of a filter and a prioritizer.
APARToleranceGroup	APAR Tolerance Group	FIH	Tolerance Group for Customers and Suppliers
APSLLog	APS Log	SCM-APQ-PPS-ERP	A record of activities to monitor different aspects of advanced planning and scheduling
APSMaterial	APS Material	SCM-APQ-PPS-ERP	Substance or object dealt with on a commercial basis or used, consumed, or generated during production. Advanced Planning and Control (APC) uses this information to plan the material requirements for production.
APSOOrder	APS Order	SCM-APQ-PPS-ERP	Object in advanced planning and scheduling that defines when, where and in which quantities which products are required or available.
APSProductionConfirmation	APS Production Confirmation	IS-A-PPC	Documents the processed activities, consumed components and received products reported in production, supporting high-volume production.
ATPRequirement	ATP Requirement	SCM-APQ-ATP	A requirement that is derived from a sales order, quotation, or service order, which contains details like quantities, location and a due date.
AcademicCourse	Academic Course	IS-PS-CA	A basic unit of academic content where students can be credited and graded for to complete a program of study
AccessAlert	Access Alert	GBC-AC	Access control alert
AccessControlRole	Access Control Role	GBC-AC	Access Control Role

Change View "Semantic Objects - SAP Delivery": Overview

New Entries

New Entries: Overview of Added Entries

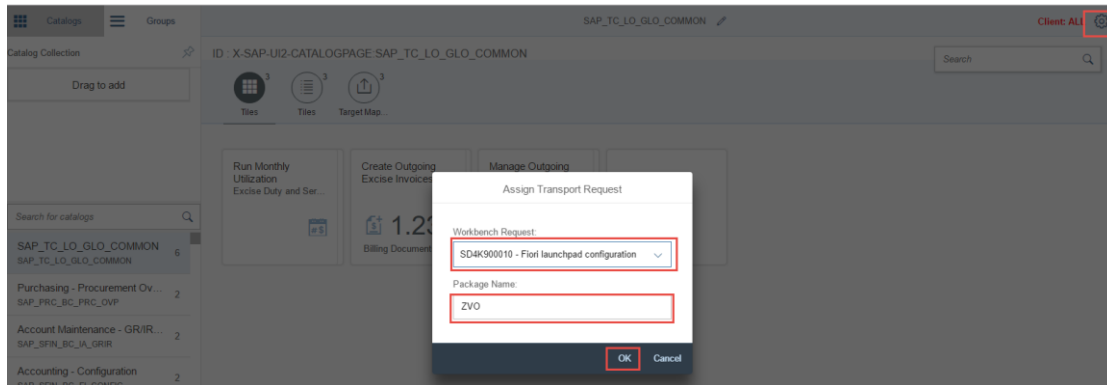
Semantic Object	Semantic Object Name	Applic. Component	Semantic Object Description
ZVO	ZVO		

6. Launchpad designer configuration (Browser)

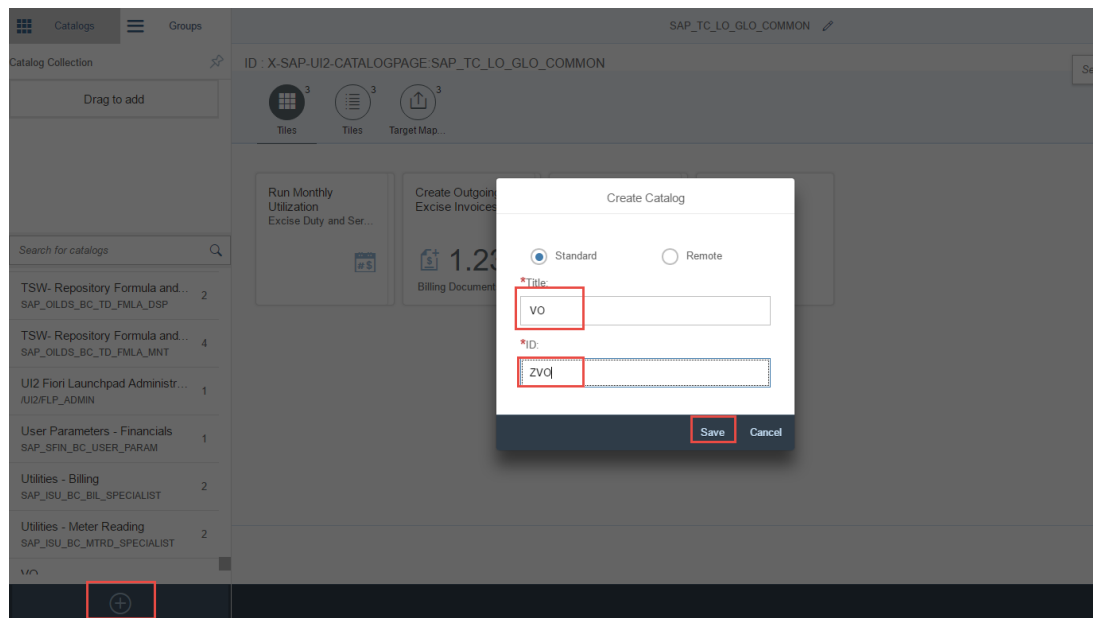
✚ Tcode: /N/UI2/FLPD_CONF

✚ After run the transaction, the following steps are configured in the browser.

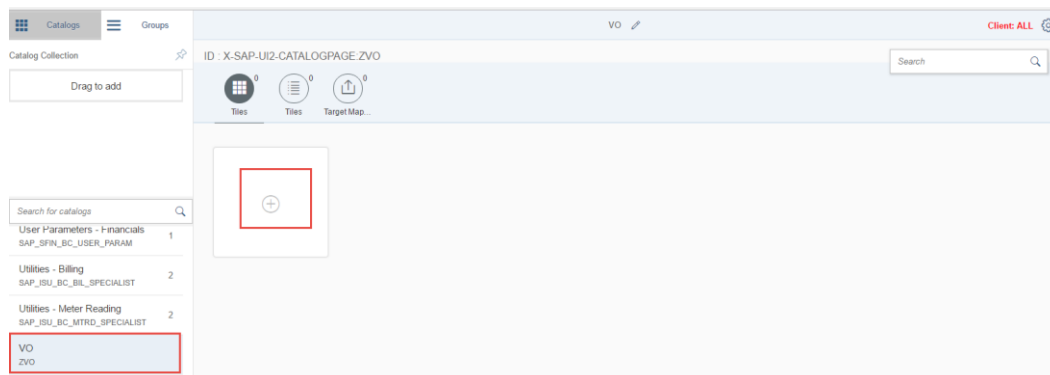
5.1. Assign Transport Request



5.2. Create Catalog



5.3. Create tiles in Catalog



Select a tile template

App Launcher – Dynamic
 Displays dynamic content read from a data source
 +

News Tile
 News Tile
 +

App Launcher – Static
 Displays static text and icons that can be configured
 +

General

Title: **Hello world**

Subtitle:

Keywords:

Icon: **sap-icon://fiori2/f0002**

Information:

Navigation

Use semantic object navigation: ☒

Semantic Object: **ZVO**

Action: **display**

Parameters:

Target URL: **#ZVO-display**

Tile Actions

Menu Item	Target Type	Navigation Target	Action	Icon
	URL			sap-icon://fiori2/f0002

Add Remove

Save Cancel

5.4. Add target mappings for the tile

Catalogs Groups

Catalog Collection

Drag to add

vo

SAP_HR_BC_IN_WAGE_CALC

Convergent Invoicing M...

SAP_O2C_BC_CRM

Convergent Invoicing Pr...

SAP_O2C_BC_CRM

Globalization - Excise In...

SAP_LO_BC_EXC_INV_IN

Invoice Processing - Chile

SAP_LO_BC_BLO_CH

Sales - Invoice List

SAP_S03_BC_INV_LIST

VO

ZVO

ID: X-SAP-UI2-CATALOGPAGE.ZVO

Client: ALL

Search

Configure Columns

Semantic Object Action Navigation type Information Desktop Tablet Phone Outdated

No data

Show similar target mappings

Create Target Mapping

Configure Create Instance Create Create Instance Create Instance Create Instance Create Instance

Configure: Hello world

Instance ID: 0002753V4QJLT2ZBCB02145C

Intent

Semantic Object: **ZVO**

Action: **display**

Target

Application Type: **SAPUI5 Fiori App**

Title: **Hello world**

URL: **/sap/bc/UIS_u5/sap/ZHELLOWORLD/webapp**

ID: **sap-vo-test**

General

Information:

Device Types: ☒ Desktop ☒ Tablet ☒ Phone

Parameters:

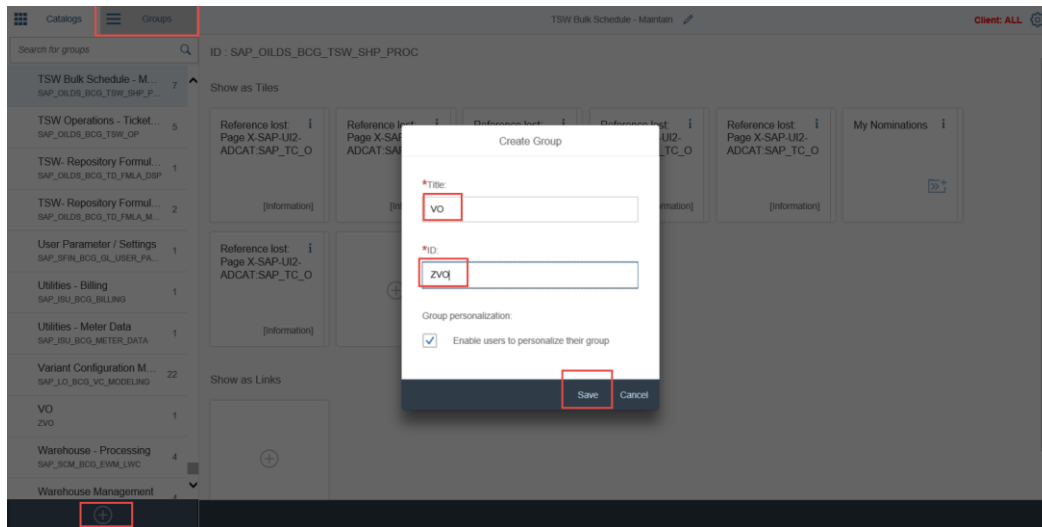
Name	Mandatory	Value	Is Regular Expression	Default Value	Target Name
No data					

Allow additional parameters

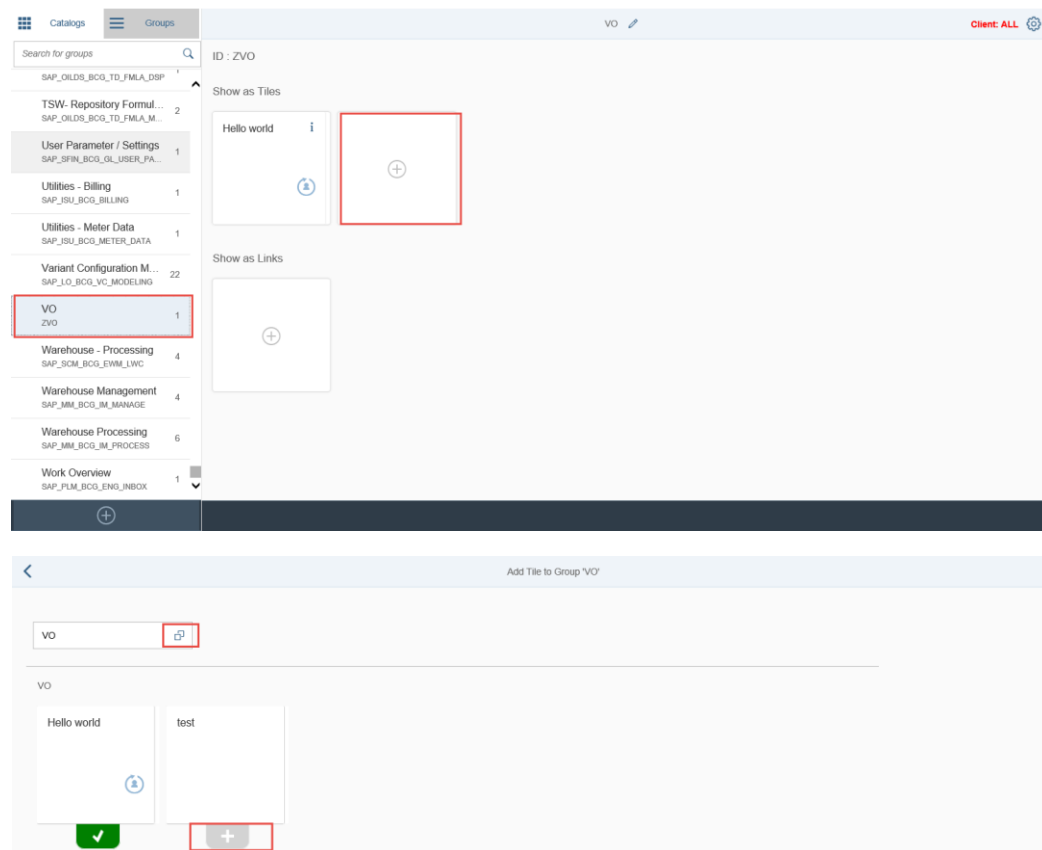
Add Delete

Save Cancel

5.5. Create Group



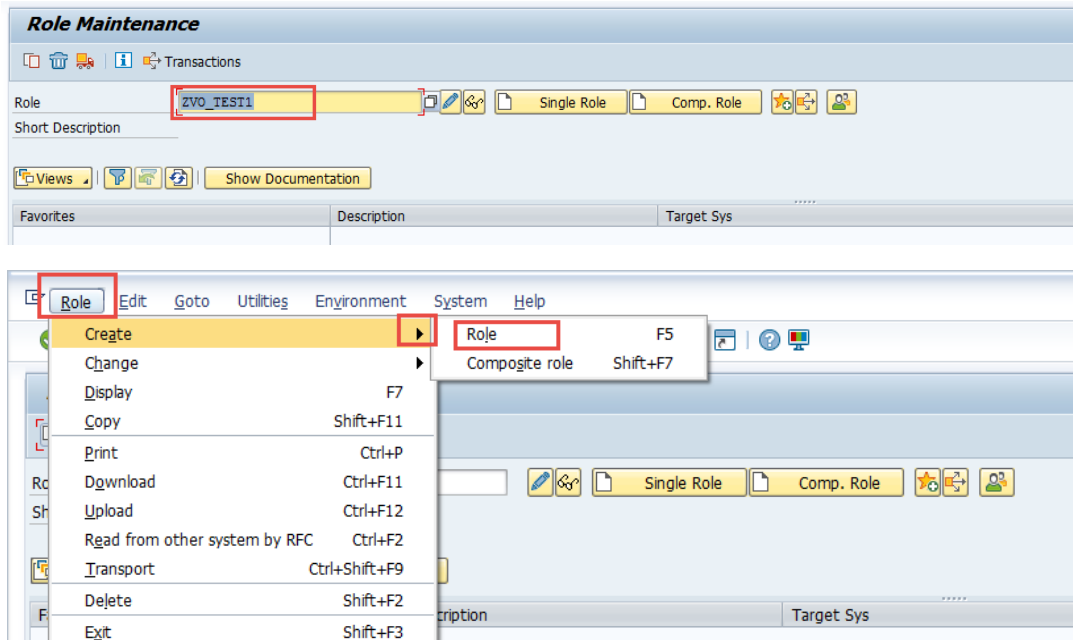
5.6. Add tiles of any Catalog to a group



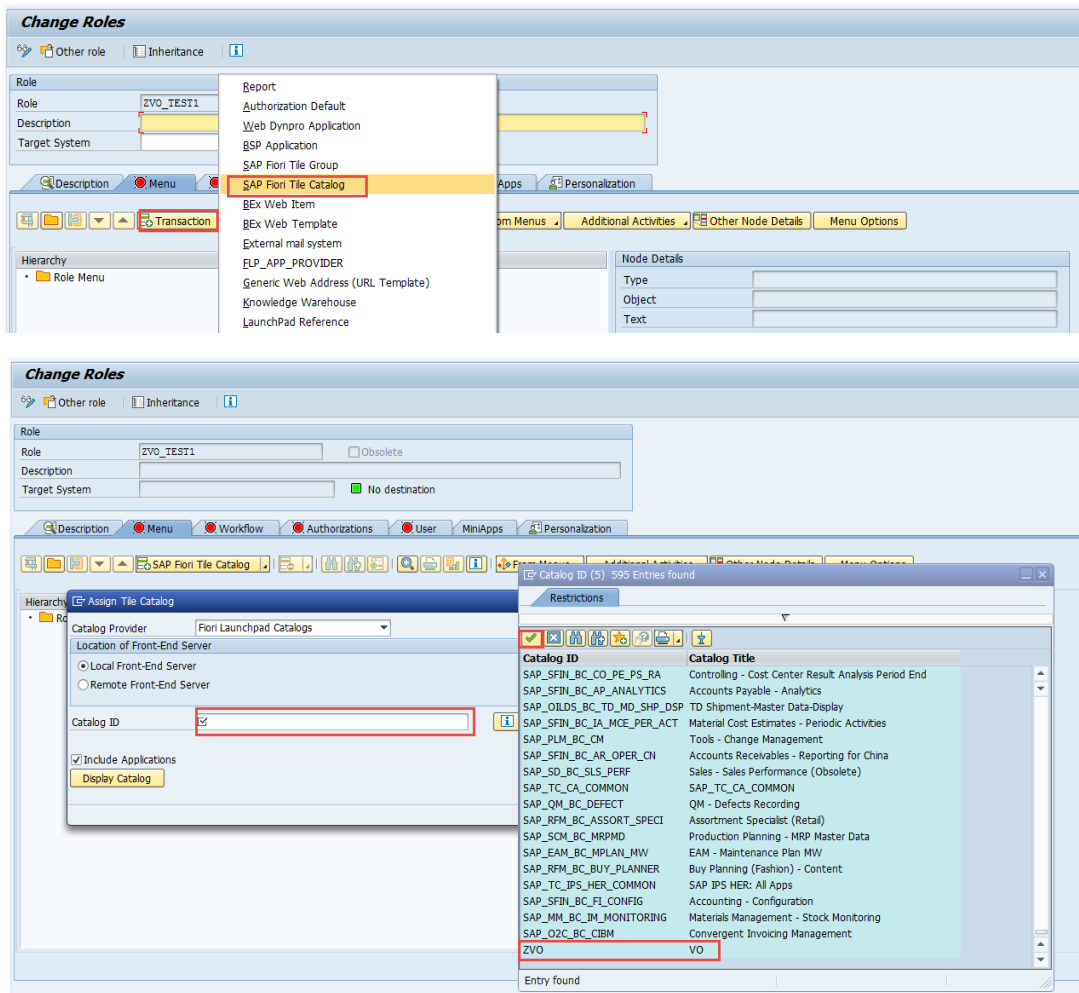
7. Create role for catalog and group

🔗 TCode: PFCG

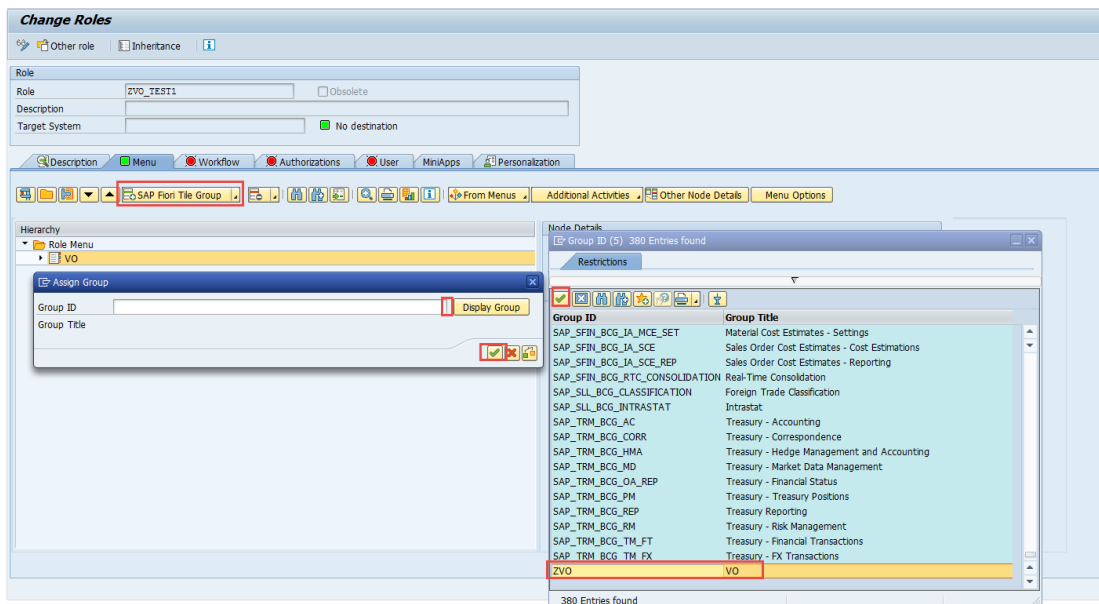
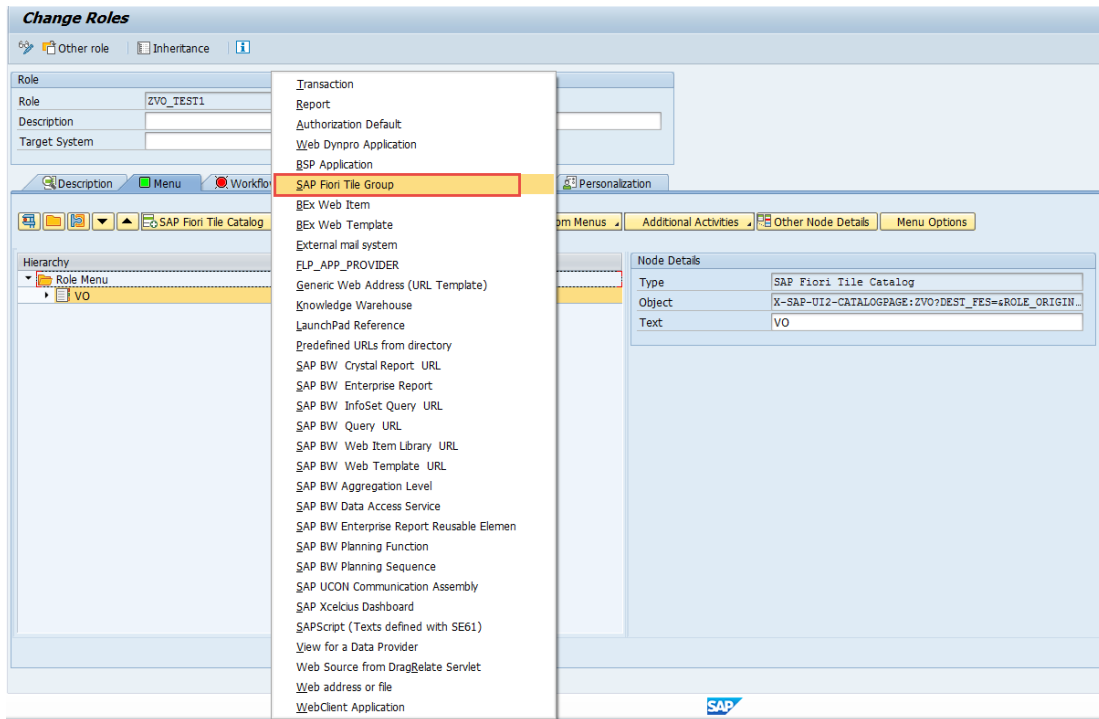
7.1. Create a role



7.2. Assign catalog to this role

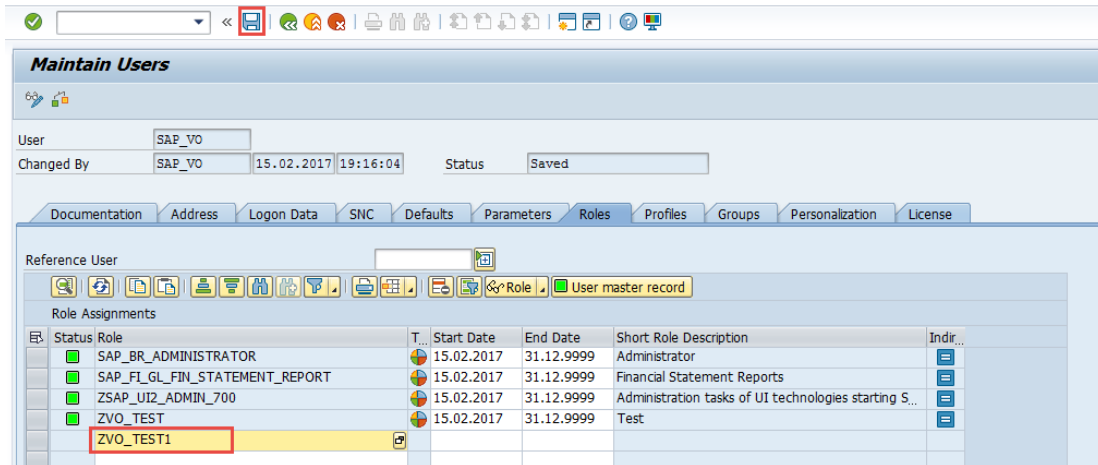


7.3. Assign group to this role



7.4. Assign this role to user

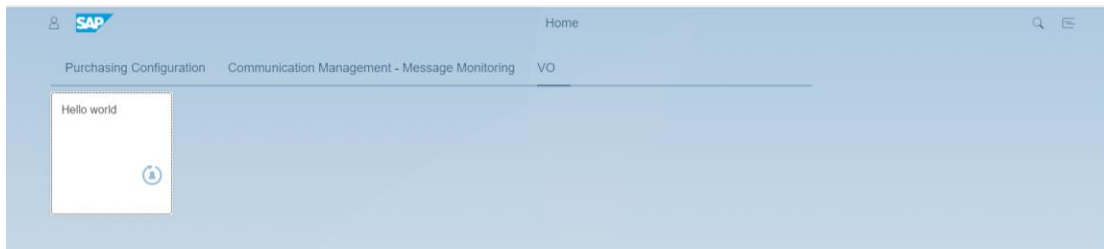
Tcode: SU01



Se38: /UI2/INVALIDATE_CLIENT_CACHES, /UI2/INVALIDATE_GLOBAL_CACHES

7.5. Logon Fiori Launchpad

Tcode: /N/UI2/FLP



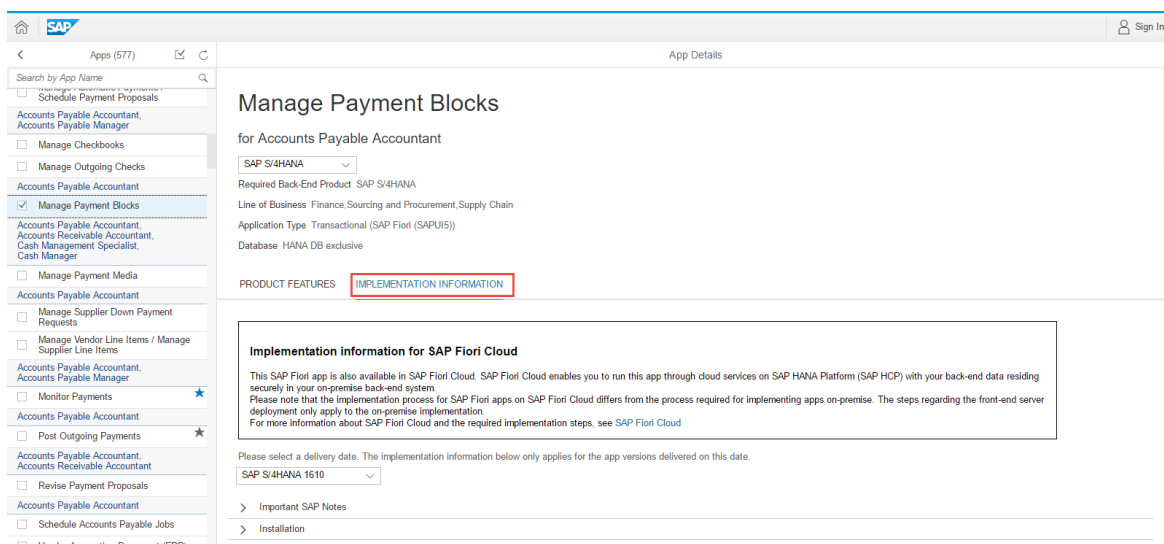
8. Setup of Standard Fiori App

8.1. Find an App from Fiori Apps Library

For example: Manage Payment Blocks

Reference:

[https://fioriappslibrary.hana.ondemand.com/sap/fix/externalViewer/#/detail/Apps\('F0593'\)/S6OP](https://fioriappslibrary.hana.ondemand.com/sap/fix/externalViewer/#/detail/Apps('F0593')/S6OP)



Configuration

The following sections list app-specific data required to configure the app:

SAPUI5 Application

The ICF nodes for the following SAPUI5 application must be activated on the front-end server:

Component	Technical Name	Path to ICF Node
SAPUI5 Application	FIN_BLOCKPAYM	/sap/bc/ui5_ui5/sap/fin_blockpaym

OData Services

The following OData services must be activated on the front-end server. Users require PFCG authorization for the front-end and back-end systems.

oData Service	Version	Back-End Authorization Role (PFCG)
FAP_MANAGE_PAYMENT_BLOCKS_SRV	001	

SAP Fiori Launchpad

You require the following data to give users access to the app in the SAP Fiori launchpad.

Technical Configuration

Technical Catalog	SAP_TC_FIN_FO_COMMON
SAPUI5 Application	FIN_BLOCKPAYM

Business Catalog(s)

Catalog Name	Catalog Description
SAP_SFIN_BC_AP_DOCUMENT	

Business Role(s)

Role Name	Role Description
SAP_BR_AP_ACCOUNTANT	Accounts Payable Accountant

8.2. Activate SAPUI5 application on the front-end server

- Tcode: SICF
- Service Name: FIN_BLOCKPAYM
- Path: /sap/bc/ui5_ui5/sap/fin_blockpaym

Define Services

Create Host/Service External Aliases System Monitor Active

Filter Details

Virtual Host: Service Path:

ServiceName: **FIN_BLOCKPAYM**

Description:

Lang.: English Ref.Service:

Virtual Hosts / Services	Documentation	Reference Service
default_host	VIRTUAL DEFAULT HOST	
sap	SAP NAMESPACE; SAP IS OBLIGED NOT T...	
bc	BASIS TREE (BASIS FUNCTIONS)	
bsp	BUSINESS SERVER PAGES (BSP) RUNTIME	
sap	NAMESPACE SAP	
fin_blockpaym	Fiori App - Manage Payment Blocks - BSP a...	
ui5_ui5	SAPUI5 Application Handler SAPUI5 Appli...	
sap	sap Namespace for SAPUI5 Applications	
fin_blockpaym	Fiori App - Manage Payment Blocks - BSP a...	

Activation of ICF Services

Do you want to activate service
/default_host/sap/bc/bsp/sap/fin_blockpaym?

8.3. Activate oData services on the front-end server

- Tcode: /N/IWFND/MAINT_SERVICE
- oData Service: FAP_MANAGE_PAYMENT_BLOCKS_SRV

Activate and Maintain Services

Service Catalog

Type	Technical Service Name	Ver	Service Description	External Service Name	Nsp.	OAuth	Soft State	Processing Mode
REP	ADT	1	Gateway service for ADT	ADT_SRV		✓	Not Supported	Routing-based
REP	C_DRAFTLIFECYCLEADMINDATA_CDS	1	Draft Lifecycle Administrative Data	C_DRAFTLIFECYCLEADMINDATA_CDS			Not Supported	Routing-based

Add Selected Services

Filter

System Alias: LOCAL

Technical Service Name: FAP_MANAGE_PAYMENT_BLOCKS_SRV

External Service Name: FAP_MANAGE_PAYMENT_BLOCKS_SRV

External Mapping ID:

Select Backend Services

Id	Type	Technical Service Name	Ver	Service Description	External Service Name	Namespace	External Mapping ID	O	Service Soft State	Status	S	M	Service Process
REP		FAP_MANAGE_PAYMENT_BLOCKS_SRV	1	OData Manage Payment Blocks	FAP_MANAGE_PAYMENT_BLOCKS_SRV								

Add Service

Service

Technical Service Name: ZFAP_MANAGE_PAYMENT_BLOCKS_SRV

Service Version: 1

Description: OData Manage Payment Blocks

External Service Name: FAP_MANAGE_PAYMENT_BLOCKS_SRV

Namespace:

External Mapping ID:

External Data Source Type: C

Model

Technical Model Name: ZFAP_MANAGE_PAYMENT_BLOCKS_MDL

Model Version: 1

Creation Information

Package Assignment: ZVO

Local Object

ICF Node

Standard Mode

Set Current Client as Default Client in ICF Node

OAuth enablement

Enable OAuth for Service

Prompt for local Workbench request

SAP Gateway: Model ... ZFAP_MANAGE_PAYMENT_BLOCKS_MDL_0001_BE

Request: SD4K900010

Short Description: Fiori launchpad configuration

Workbench request

Own Requests

Activate and Maintain Services

Filter Add Service Delete Service Service Details Load Metadata Error Log Request Statistics Refresh Catalog OAuth Soft State Processing Mode

Service Catalog

Type	Technical Service Name	Service Description	External Service Name	Nsp.	OAUT	Soft State	Processing Mode
BEP	ZFAP_MANAGE_PAYMENT_BLOCKS_SRV	1 OData Manage Payment Blocks	FAP_MANAGE_PAYMENT_BLOCKS_SRV		<input type="checkbox"/>	Not Supported	Routing-based
BEP	FDT_TRACE	1 BRF+ lean trace evaluation	FDT_TRACE		<input checked="" type="checkbox"/>		Routing-based
BEP	GFD_CONFIG_SRV	1 Generic Form Designer Configuration details	GFD_CONFIG_SRV		<input checked="" type="checkbox"/>	Not Supported	Routing-based
BEP	GHD_ODATA_SRV	1 OData Project for Global Hydrocarbon Operations	GHD_ODATA_SRV		<input type="checkbox"/>		Routing-based
BEP	/IWHD/GWIDMO_SP2	1 ZCL_ZTEST_GWIDMO_DPC_EXT	GWIDMO_SP2	/IWHD/	<input type="checkbox"/>		Routing-based
BEP	ZINTEROP	1 Gateway Service of Interoperability	INTEROP	/UIZ/	<input type="checkbox"/>	Not Supported	Routing-based
BEP	/IWHD/SG_MGW_NOTIFY_STORE	1 ODATA Channel Notification Store	NOTIFICATIONSTORE	/IWHD/	<input type="checkbox"/>		Routing-based
BEP	ZPAGE_BUILDER_CONF	1 Pagebuilder - Configuration level	PAGE_BUILDER_CONF	/UIZ/	<input type="checkbox"/>	Not Supported	Routing-based
BEP	ZPAGE_BUILDER_CUST	1 Pagebuilder - Customizing level	PAGE_BUILDER_CUST	/UIZ/	<input type="checkbox"/>	Not Supported	Routing-based
BEP	ZPAGE_BUILDER_PERS	1 Pagebuilder - Personalization level	PAGE_BUILDER_PERS	/UIZ/	<input type="checkbox"/>	Not Supported	Routing-based
BEP	PIQ_LPD_ADVISOR_SRV	1 Service for Launchpad for Advisor	PIQ_LPD_ADVISOR_SRV		<input type="checkbox"/>	Not Supported	Routing-based
BEP	PIQ_LPD_DEG_REQ_SRV	1 Launchpad service for Degree Requirement	PIQ_LPD_DEG_REQ_SRV		<input type="checkbox"/>	Not Supported	Routing-based
BEP	PIQ_REQUEST_SRV	1 Project for request application	PIQ_REQUEST_SRV		<input type="checkbox"/>	Not Supported	Routing-based
BEP	PYC_CONT_002_SRV	1 Payroll Control Center Business Logic Version 002	PYC_CONT_002_SRV		<input checked="" type="checkbox"/>	Not Supported	Routing-based
BEP	PYC_CONT_PEM_002_SRV	1 Payroll Control Center Error Management	PYC_CONT_PEM_002_SRV		<input checked="" type="checkbox"/>	Not Supported	Routing-based
BEP	PYC_CONT_SRV	1 Payroll Control Center Content	PYC_CONT_SRV		<input checked="" type="checkbox"/>		Routing-based
BEP	PYC_FRW_SRV	1 Payroll Control Center Framework	PYC_FRW_SRV		<input checked="" type="checkbox"/>		Routing-based
BEP	PYD_CONT_SRV	1 Payroll Data Source Content International	PYD_CONT_SRV		<input type="checkbox"/>		Routing-based
BEP	PYD_FRW_SRV	1 CL_PYD_FRW_DPC_EXT	PYD_FRW_SRV		<input type="checkbox"/>		Routing-based
BEP	REPM_CLOSEDSALESORDERQUERY_CDS	1 REPM : Closed Sales Order Query View	REPM_CLOSEDSALESORDERQUERY_CDS		<input type="checkbox"/>	Not Supported	Routing-based

ICF Node Call Browser SAP Gateway Client

ICF Nodes

Status	ICF Node	Session Time-out	Soft State	Description
<input checked="" type="checkbox"/>	/ODATA	00:00:00		Standard Mode

System Aliases

SAP System Alias	Description	Default	Metadata	Use
LOCAL	Local System Alias	<input checked="" type="checkbox"/>	<input type="checkbox"/>	


Add System Alias Remove System Alias Customizing Service Implementation

As for more than one apps

ICF Nodes for SAPUI5 Applications

SAPUI5 Application	App Name	App ID	Path to ICF Node
AF_APF_MODS1	Configuration Modeler for applications based on Analysis Path Framework in SAP S/4HANA	F1768	/sap/bc/ui5_ui5/sap/af_apf_mods1
CDSBROWSERS1	View Browser	F2170	/sap/bc/ui5_ui5/sap/CDSBROWSERS1
SB_APPS_DDS1	Configure KPI Drill-down	F0819	/sap/bc/ui5_ui5/sap/sb_apps_dds1
SB_APPS_EVALS1	Create Evaluation	F0822	/sap/bc/ui5_ui5/sap/sb_apps_evals1
SB_APPS_KPIS1	Create KPI	F0817	/sap/bc/ui5_ui5/sap/sb_apps_kpis1
SB_APPS_TILES1	Configure KPI Tiles	F0820	/sap/bc/ui5_ui5/sap/sb_apps_tiles1
SB_APPS_WSS1	KPI Workspace	F0818	/sap/bc/ui5_ui5/sap/sb_apps_ws1

Activate multiple ICF nodes by using predefined task lists. For more information, see the [Configuration Guide for SAP Fiori Frontend](#), chapter Task List SAP Basis - Activate HTTP Services (SICF).

 Export list of ICF Nodes




Tcode : STC01 ,task list: SAP_BASIS_ACTIVATE_ICF_NODES ,SAP_BASIS_ACTIVATE_ICF_NODES add the icf node and then run to activate the service .

Task Manager for Technical Configuration

With Variant Variants Variant Variants

Task List **SAP_BASIS_ACTIVATE_ICF_NODES** SAP Basis - Activate HTTP Services (SICF)

Task List Run **SAP_BASIS_ACTIVATE_ICF_NODES_20180107103936576**

...	S...	L...	Phase	Comp.	Task Description	H...	Parameter Description
<input checked="" type="checkbox"/>			Configuration	SICF	Activate HTTP Services (SICF)		

Fill Parameters

The screenshot shows two SAP interface windows. The top window, 'Service Path (URL)', lists several SAP services with their virtual hosts and expand flags. The bottom window, 'Display Task List Run SAP_BASIS_ACTIVATE_ICF_NODES_20180107103936576', shows the task list configuration and a log of successful HTTP service activations.

Service Path (URL)	Virtual Host	Expand Flag
/sap/bc/ui5_ui5/sap/af_apf_mods1	DEFAULT_HOST	X
/sap/bc/ui5_ui5/sap/CDSBROWSERS1	DEFAULT_HOST	X
/sap/bc/ui5_ui5/sap/sb_apps_dds1	DEFAULT_HOST	X
/sap/bc/ui5_ui5/sap/sb_apps_evals1	DEFAULT_HOST	X
/sap/bc/ui5_ui5/sap/sb_apps_kpis1	DEFAULT_HOST	X
/sap/bc/ui5_ui5/sap/sb_apps_tiles1	DEFAULT_HOST	X
/sap/bc/ui5_ui5/sap/sb_apps_wss1	DEFAULT_HOST	X

E	C	S	L	Phase	Comp.	Task Description	H	P	Parameter Description
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Configuration	SICF	Activate HTTP Services (SICF)			

Log for Task 'Activate HTTP Services (SICF)'

Execution Identifier	Ty	Message Text
07.01.2018 / 11:39:37		Task configuration changed
07.01.2018 / 11:42:38		Check successful
		HTTP Service /sap/bc/ui5_ui5/sap/af_apf_mods1 with subsequent nodes activated
		HTTP Service /sap/bc/ui5_ui5/sap/CDSBROWSERS1 with subsequent nodes activated
		HTTP Service /sap/bc/ui5_ui5/sap/sb_apps_dds1 with subsequent nodes activated
		HTTP Service /sap/bc/ui5_ui5/sap/sb_apps_evals1 with subsequent nodes activated
		HTTP Service /sap/bc/ui5_ui5/sap/sb_apps_kpis1 with subsequent nodes activated
		HTTP Service /sap/bc/ui5_ui5/sap/sb_apps_tiles1 with subsequent nodes activated
		HTTP Service /sap/bc/ui5_ui5/sap/sb_apps_wss1 with subsequent nodes activated

Tcode : STC01 ,SAP_GATEWAY_ACTIVATE_ODATA_SERV

oData Service(s)

oData Service	Version	App Name	App ID
BSANLY_APF_RUNTIME_SRV	0001	Configuration Modeler for applications based on Analysis Path Framework in SAP S/4HANA	F1768
CDSALLVIEWS	0001	View Browser	F2170
SMART_BUSINESS_DESIGNTIME_SRV	0001	Configure KPI Drill-down	F0819
	0001	Configure KPI Tiles	F0820
	0001	Create Evaluation	F0822
	0001	Create KPI	F0817
	0001	KPI Workspace	F0818

Activate multiple OData services by using predefined task lists. For more information, see the [Configuration Guide for SAP Fiori Frontend](#), chapter Task List SAP Gateway - Activate OData Services.

[Export list of OData Services](#)

The screenshot shows the 'Task Manager for Technical Configuration' interface. The 'Task List' field is set to 'SAP_GATEWAY_ACTIVATE_ODATA_SERV', which corresponds to the task 'SAP Gateway - Activate OData Services'.

Maintain Task List Run SAP_GATEWAY_ACTIVATE_ODATA_SERV_2018010710

Task List: SAP_GATEWAY_ACTIVATE_ODATA_SERV SAP Gateway - Activate OData Services

Task List Run: SAP_GATEWAY_ACTIVATE_ODATA_SERV_20180107104823356

E...	S...	L...	Phase	Comp.	Task Description	H...	Para...	Parameter Description
<input checked="" type="checkbox"/>					Configuration GATEWAY Define OData Services for Activation			Defined Services: 3
<input checked="" type="checkbox"/>					Configuration GATEWAY Select System Alias for Activation			SAP System Alias: LOCAL
<input checked="" type="checkbox"/>					Configuration GATEWAY Select OData Services for Activation			Selected Services: 3 of 3

Define OData Services

Enter list of OData Services
(for service version use <SPACE> as delimiter)

BSANLY_APF_RUNTIME_SRV 0001
CDSALLVIEWS 0001
SMART_BUSINESS_DESIGNTIME_SRV 0001

Edit Variants: Variant F319AFA659F3F9

Variant Attributes

Select SAP System Alias

SAP System Alias: LOCAL

Select to be activated OData services

SAP System Alias: LOCAL

Activate	OData Service	Version
<input checked="" type="checkbox"/>	BSANLY_APF_RUNTIME_SRV	1
<input checked="" type="checkbox"/>	CDSALLVIEWS	1
<input checked="" type="checkbox"/>	SMART_BUSINESS_DESIGNTIME_SRV	1

Display Task List Run SAP_GATEWAY_ACTIVATE_ODATA_SERV_20180107104823356

Task List: SAP_GATEWAY_ACTIVATE_ODATA_SERV SAP Gateway - Activate OData Services
Task List Run: SAP_GATEWAY_ACTIVATE_ODATA_SERV_20180107104823356

E...	C...	S...	L...	Phase	Comp.	Task Description	H...	Para...	Parameter Description
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Configuration	GATEWAY	Define OData Services for Activation			Defined Services: 3
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Configuration	GATEWAY	Select System Alias for Activation			SAP System Alias: LOCAL
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Configuration	GATEWAY	Select OData Services for Activation			Selected Services: 3 of 3

Log for Task 'Select OData Services for Activation'

Execution Identifier: 07.01.2018 / 11:48:23
07.01.2018 / 11:53:36

Message Text:

- Task set in scope
- Task configuration changed
- Check successful
- System Alias: LOCAL
- Service: BSANLY_APF_RUNTIME_SRV 1 created / Alias: available / ICF Node: activated
- Service: CDSALLVIEWS 1 created / Alias: available / ICF Node: activated
- Service: SMART_BUSINESS_DESIGNTIME_SRV 1 created / Alias: available / ICF Node: activated

Task list run execution ended with status 'Finished successf...'

8.4. Assign catalog to the role

- Tcode: PFCG
- Catalog: SAP_TC_FIN_FO_COMMON
- Role: SAP_BR_AP_ACCOUNTANT

Role Maintenance

Role: SAP_BR_AP_ACCOUNTANT
Short Description: Accounts Payable Accountant

Change Roles

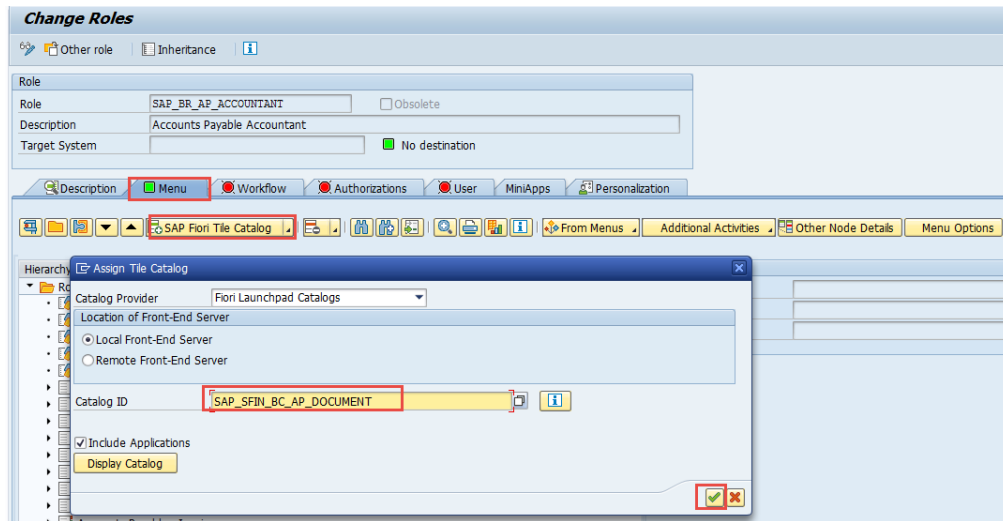
Role: SAP_BR_AP_AC
Description: Accounts Payable
Target System:

Menu:

- Report
- Authorization Default
- Web Dynpro Application
- BSP Application
- SAP Fiori Tile Group
- SAP Fiori Tile Catalog**
- BEx Web Item
- BEx Web Template
- External mail system
- FLP_APP_PROVIDER
- Generic Web Address (URL Template)
- Knowledge Warehouse
- LaunchPad Reference

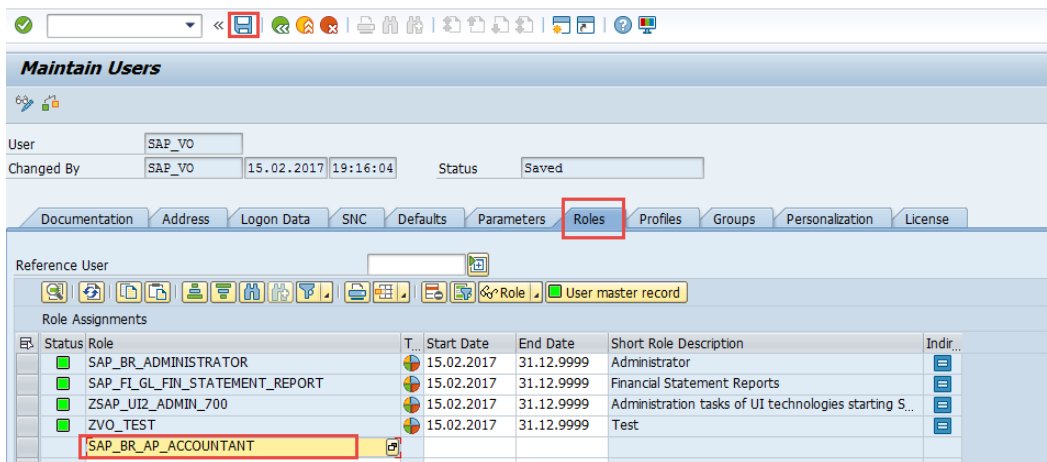
Node Details:

Type:
Object:
Text:



8.5. Assign role to user

Tcode: SU01



8.6. Logon Fiori Launchpad

Tcode: /N/UI2/FLP

