

Basis and others

SAP Basis Topic

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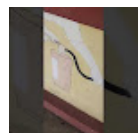
POPULAR POSTS



Note
1738258 -
System
Copy of
Systems
Based on

SAP NetWeaver 7.1 and
Higher

One of the Classic notes
all basis should know...
Summary Symptom



Unable to
download
an SAP
Note with
SNOTE in a
SAP

System.

Unable to download an
SAP Note with SNOTE in
a SAP System. I

Fiori app configuration in SAP Fiori Launchpad

OVERVIEW

- After the SAP UI5 app has been deployed in the SAP Fiori (Front-End) server, various configurations must be made in order for the app to be accessible in SAP Fiori Launchpad.
- SAP Fiori launchpad is a shell that hosts SAP Fiori apps and provides features like navigation, personalization, embedded support, and application configuration to the apps.
- On mobile and desktop devices, SAP Fiori launchpad is the access point to SAP Fiori apps.
- We will learn how to configure any custom UI5 for SAP Fiori launchpad access in this blog.
- This blog is a child of the following parent blog:
 - [SAP Fiori – Custom App Implementation](#)

PRE-REQUISITES:

- SAP Fiori Server (Front-end)
- SAP Fiori Launchpad Url:
 - `http://<host>:<port>/sap/bc/ui5_ui5/ui2/ushell/shells/abap/FioriLaunchpad.html`
- SAP Fiori Designer Url:
 - `http://<host>:<port>/sap/bc/ui5_ui5/sap/arsvc_upb_admn/main.html`

STEPS OF CONFIGURATION:

A SAP-UI5 application is accessed in SAP-Fiori Launchpad using the components listed below:

TOTAL PAGEVIEWS

1,205,692



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BLOG ARCHIVE

- ▶ [2022](#) (9)
- ▶ [2021](#) (30)
- ▼ [2020](#) (59)
 - ▶ [December](#) (2)
 - ▶ [November](#) (3)
 - ▼ [October](#) (25)
 - [Basic Procedure for Change Management \(ChaRM\)](#)
 - [2367245 - Troubleshooting](#)

encountered an issue when I tried to download a SAP Note using SNOTE in my SAP ...

1139596 - SAP GUI: Connection to partner 'sapserver:sapdp00' broken

Symptom There is an error message of the following type in the SAP GUI: XYZ: Connection to partner 'sapserver:sapdp00' broken ...



SAP Migration Cockpit S/4 HANA (LTMC) – some sticky

notes

SAP Migration Cockpit S/4 HANA (LTMC) – some sticky notes S/4 HANA is the only SAP product we mention these days when we talk about SAP. ...

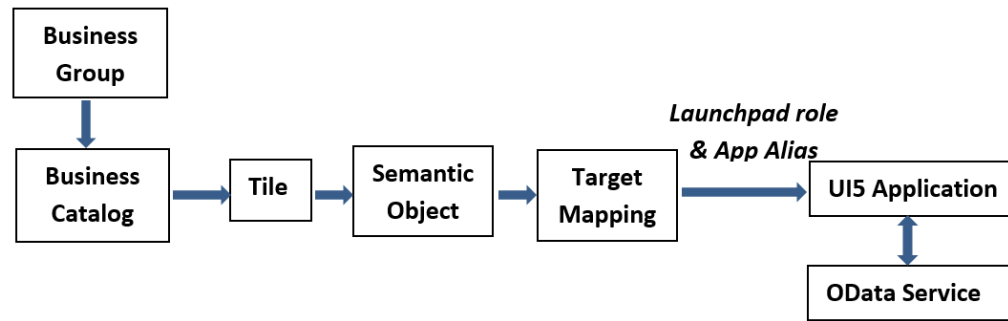


How to Basis troubleshoot IDOCs error status 51 and

status 68

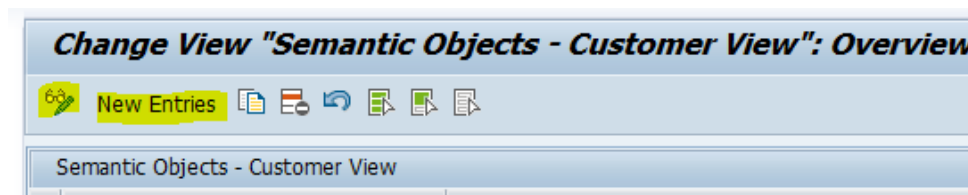
Step by Step Idoc Trouble Shooting Steps: From Basis point of view, the technical problem that we have to look at is the transmission...

1563748 - MEMORY_NO_MORE_PAGING" dump occurs

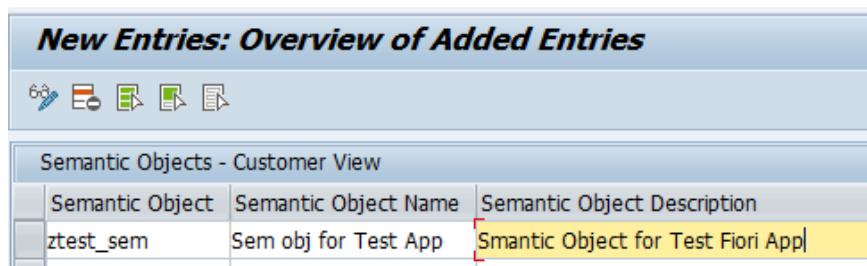


[1] Create Semantic Object in SAP Fiori Server (Front-end) server

- T-code: /n/UI2/SEMOBJ
- Steps:
 - Semantic object with which we link 'Business Tile' and 'Target Mapping' within 'Business Catalog'
 - Go to t-code -> change -> click on 'New Entries' ->



- enter the details like object name , description etc.



- click on icon 'save' to save it.

[2] Create Launchpad Role in SAP Fiori Server (Front-end) server

- T-code: LPD_CUST
- Notes:
 - To connect SAP UI5 Application with Tiles, we build Launchpad roles.

performance issues with ...

SAP BI Support Data Load Errors and Solutions

All SAP R/3 Transaction Codes, Tables, Reports

Critical top SAP Abap dumps

CALL_FUNCTION_N OT_FOUND - SAP Abap Dumps

TSV_TNEW_PAGE_ALLOC_FAILED error

Configuring SAP GUI Transaction in Fiori Launchpad

SAP Fiori – SAP Fiori launchpad troubleshooting

Error analysis with SAP Fiori Apps & ABAP Backend ...

Planning an SAP Fiori Implementation

SAP Fiori Front-end Server in a Nutshell

SAP Fiori Front-end Server Installation Guide

SAP Transaction VA01 - Create Sales Order

Unix/Linux Command That Are Helpful For SAP Basis

SAP Migration Cockpit S/4 HANA (LTMC) – some stic...

Symptom
"MEMORY_NO_MORE_PAGING" dump occurs
Environment SAP
platform independent
This can occurs with any
OS/DB co...

LABELS

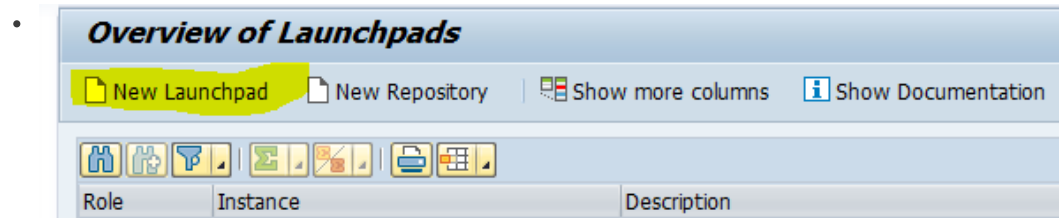
sap hana hana
database aws
s4 hana hana
db s4hana
conversion
steps sap hana
azure bw4hana
hana migration
s4hana
migration sap
cloud migration
steps sap hana
migration steps
sap hana
migration to
azure sap fiori fiori
erp s4 hana fiori sap
fiori app sap fiori
client sap fiori
launchpad sap s4
hana fiori abap dumps
sap sap dumps techie KBA
LOAD_PROGRAM_LOST
SAP Maintenance Planner
best sap ui5 & fiori training

- A single Launchpad role can have numerous SAP UI5 Application references, each of which is distinguished by an Alias name.
- To link one SAP-UI5 application, the 'Target Mapping' of Catalog configuration will refer to the Launchpad role and specified Alias combination.
- Go to t-code -> click on button 'New Launchpad' ->

- Steps:

1. Create New Launchpad Application:

- Go to tcode -> click on button 'New Launchpad' ->



- Provide input as shown in below screen

Enter Values for a New Launchpad

Role	ZTest_LPD
Instance	TRANSACTIONAL
Description	LPD Role for Test Fiori App
Namespace	Z
Type of Launchpad	
Language	EN

- Here put some namespace as 'Z', it is required while including this role to TR (Transport-Request)
- Click ok icon -> Click 'Yes' in next window.
- In Next window, click on 'New Application' to create new UI5 application link->

Conversion to SAP
S/4HANA – How to
handle errors d...

SAP HANA Hands on
tests (part 1) :
HANA DB insta...

What is Segregation
of Duties?

IDOC Management
and Error Handling
in SAP S/4 HANA

User experience:
Screen Personas
or SAP Fiori?

SAP Fiori for SAP
S/4HANA – Basic
Configuration wi...

Fiori app
configuration in
SAP Fiori
Launchpad

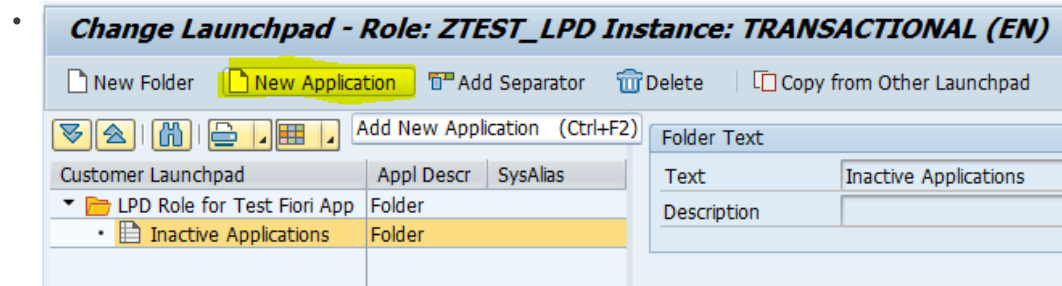
SAP GRC 10.1/12.0 –
HANA DB Rule set
and Risk Anal...

Installing an SAP
S/4HANA On-
Premise System

- September (1)
- March (4)
- February (21)
- January (3)

- 2019 (10)
- 2018 (6)
- 2017 (7)
- 2016 (33)
- 2015 (20)
- 2014 (15)
- 2013 (258)

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 tutorial sap mm sap niping
 sap ui5 sap ui5 & fiori sap
 ui5 & fiori tutorial ui5cn
 2367245 - Troubleshooting
 performance issues with SAP
 BPA Amazon free tier for SAP
 AWS setup Experience BC-
 CST-MM
 CALL_FUNCTION_NOT_FOUN
 D CCMS Configuration and Use
 Create New Data Class in SAP
 (Oracle) Critical top SAP Abap
 dumps DUMP Download
 Stack.xml HAN-DB HAN-DB-
 ENG How To How to Start and
 Stop SAP Hana Tenant
 Database How to change SAP
 Hana Sql Output results are
 limited to 5000 Records How to
 perform SAP Dual Stack Split -
 Netweaver Instaling Hana
 Studio Intercompany
 transactions in SAP AP / AR :
 Cross Company Code
 Transaction
 LOAD_VERSION_LOST
 Landscape Management
 Database (LMDB) MEMORY
 MOPZ MSSQL shrinking
 transaction log file Memory
 Management Migrating to SAP
 hana database Note 500235 -
 Network Diagnosis with NIPING
 PAGFIL<NR>.DAT Windows
 Unix Linux ST02
 rdisp/PG_MAXFS
 rdisp/PG_SHM page area max
 usage in memory on disk
 Paging Performance Problem
 Push to Download Basket

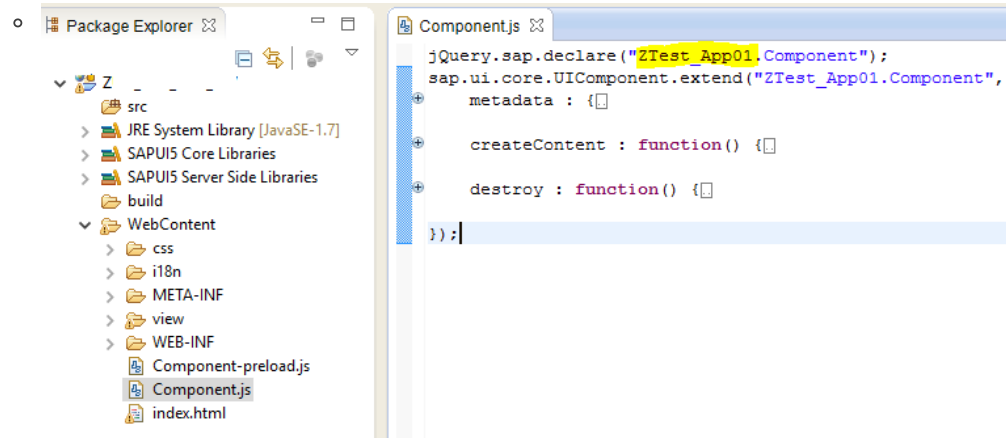


- end.

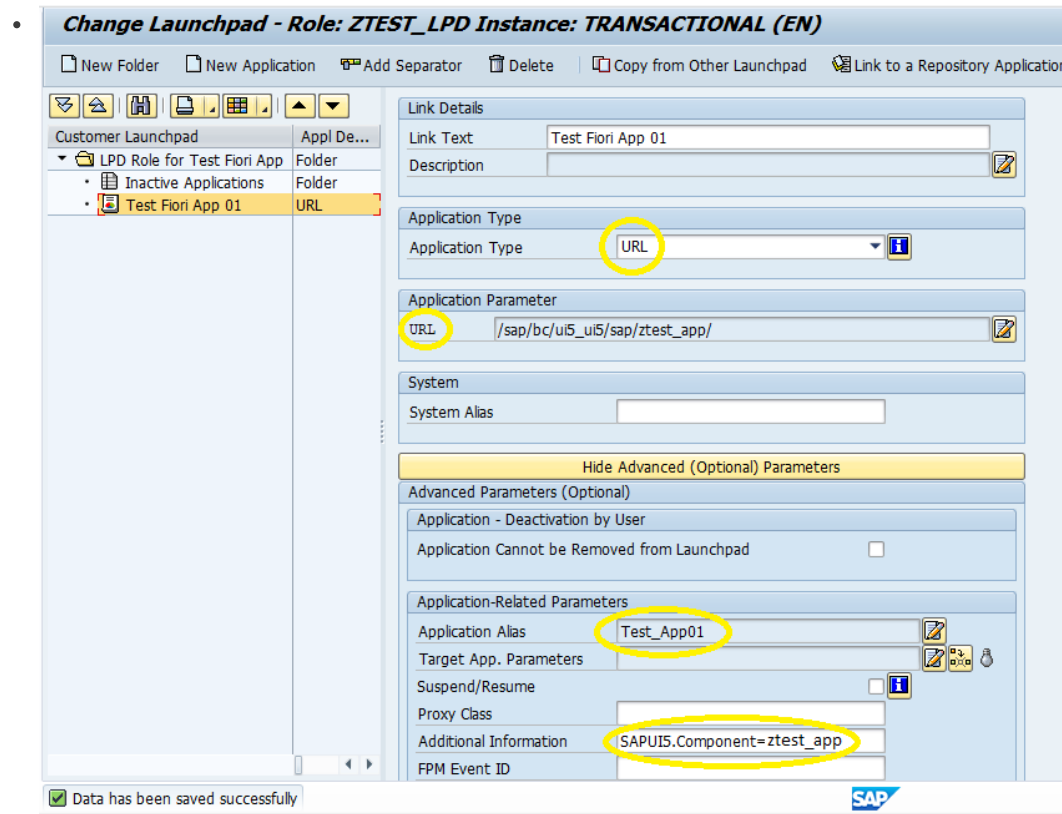
2. Create New Application which requires below details:

- Link Text:
 - Title of Fiori App Launchpad Role
 - *Note: In the latest SAP-Fiori Hana upgrade, this LPD content appears as the header title for each page when accessed via Fiori Launchpad.*
- Url
 - This entry refers to the SAPUI5 application path, which is located in the t-code 'SICF' path after deployment.
- Application Alias
 - Multiple UI5 application links can be added to a single Launchpad Role, each with its own alias.
 - One application link is identified by the Launchpad role name and its Alias name.
- Additional Information
 - Here enter UI5 app's component name defined in Component.js
 - Syntax: Component=<ui5 app component name>
 - For e.g. Component= ZTest_App01
 - Below 'Component.js' screen can be referred where component name is present

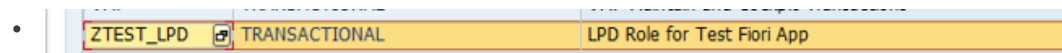
S/4HANA Migration Cockpit
 SAP performance SAP Abap
 Trial on MaxDB SAP BPA SAP
 Business Objects SAP Business
 Suite SAP CPS SAP
 Certification SAP Cross platform
 performance SAP FI
 Certification SAP FI Certification
 Sample Questions SAP HANA
 Admin - Cockpit SAP HANA DB
 Engines SAP HANA Database
 SAP HANA terminate session
 connection disconnect cancel
 kill hang stuck SAP Hana DB
 restore SAP Hana Numeric
 Error Codes SAP Hybris
 Marketing SAP In Maintaining
 System performance SAP
 Installation SAP MM Training
 SAP MM and Purchase Order
 Tables SAP MM on S/4 Hana
 SAP Migration SAP Note
 500235 SAP Note Not Available
 - Very common issue SAP R/3
 Glossary SAP Scheduling SAP
 Support Package Stack
 Strategy SAP Support Portal
 SAP Support package SAP
 System Copy SAP System
 Rename SAP Upgrade SAP
 enhance package level SAP
 memory tuning SAP support
 stack upgrade SLD SP stacks
 ST22
 STORAGE_PARAMETERS_W
 RONG_SET
 SUSE/SLES/Kernel versions
 Solution Manager 7.2
 TSV_TNEW_PAGE_ALLOC_FA
 ILED
 TSV_TNEW_PAGE_ALLOC_FA
 ILED error Transaction ID
 Unable to download an SAP



- LPD Role's application looks like as below after saving the details



- Once saved we can see role in t-code 'LPD_CUST' as in below screen

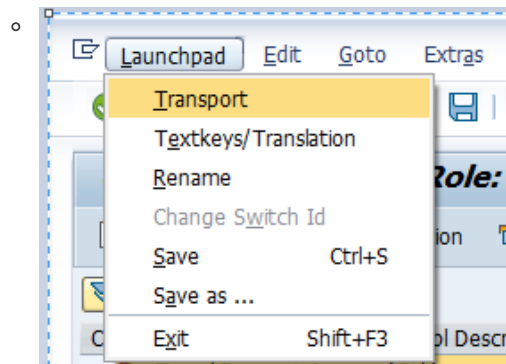


Note Unix/Linux Command That Are Helpful For SAP Basis Upgrading windows server 2008 to windows server 2019 Using SAP Activate Agile Approach for SAP Hana Implementation What is OSS Notes? SAP SNOTE Tutorial abap trial abaptrial accounting agile ale idoc ale/edi archive FI documents audit auditing auditor aws aws cloud basic type bluefield approach canva ccms ccmsidb dbacockpit download sap note download snote downloading sap note edi idoc electronic data interchange enable sap archiving objects enable virtual bacground erpprep ffid firefighter fraud google zoom hana admin how to apply sap security note <https://www.erpprep.com/> idoc interfaces intermediate document internal control license key linux version materials management messsage niping order type port prince2 agile prince2 agile practitioner purchasing quick info s4 hana sap abap dumps sap abbreviations sap activate certification sap activate project manager sap authorization sap aws sap brownfield sap ccms sap ccms configuration sap demo internet system sap demo system sap error sap grc sap greenfield sap internet demo system sap license sap maintenance certificate sap meaning sap mm consultant sap monthly security note sap

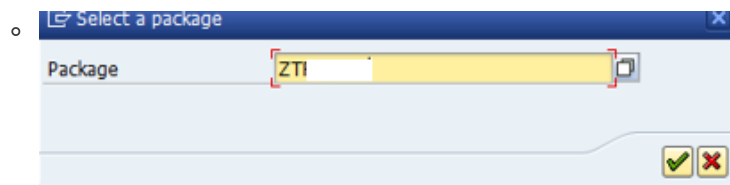
- end.

3. Steps to include Launchpad role in TR:

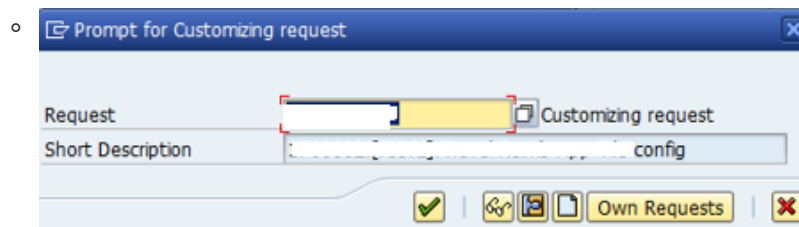
- For transporting it from one system to another, we can incorporate Launchpad roles in TRs.
- Two transport requests (TR) are required as pre-requisites:
 - i. One as customized request (CSR)
 - ii. One as workbench request (WBR)
- Follow the procedures below to include the Launchpad role in your transport request.
 - open Launchpad Role from t-code 'LD_CUST' > go to Menu 'Launchpad' -> click on 'Transport'



- In next window enter Package details

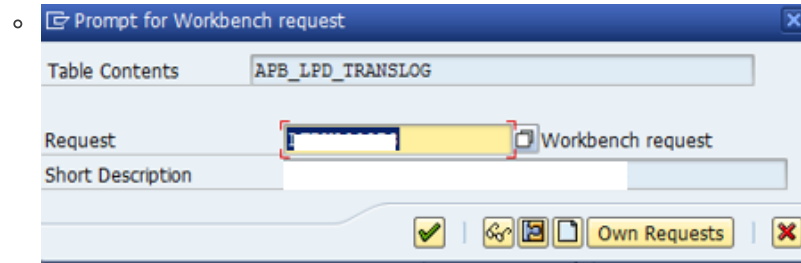


- In Next window provide Customizing Request

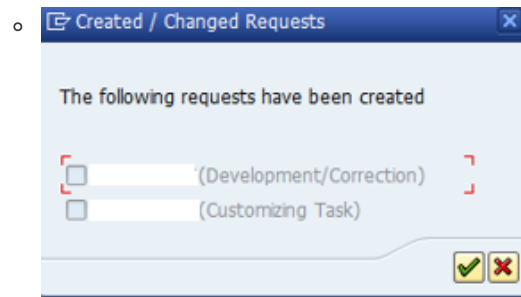


- In Next window enter provide Workbench Request

network diagnostic sap note sap
 oss sap oss note sap patch day
 sap portal sap s/4hana sap
 sales and distribution sap sap
 otc sap sd sap sd certification
 training sap sd course sap sd
 jobs sap sd online training sap
 sd training sap sd tutorial sap sd
 tutorial for beginners sap
 security sap security note sap
 snote sap snote tutorial sap
 solution manager sap sql
 sapinst segregation of duties
 separation of duties sles
 slicense smc snote snote in sap
 system sod conflict solution
 maneger stack xml stop start
 hana database suse linux swpm
 1.0 two step upgrade required
 waterfall zoom virtual
 background



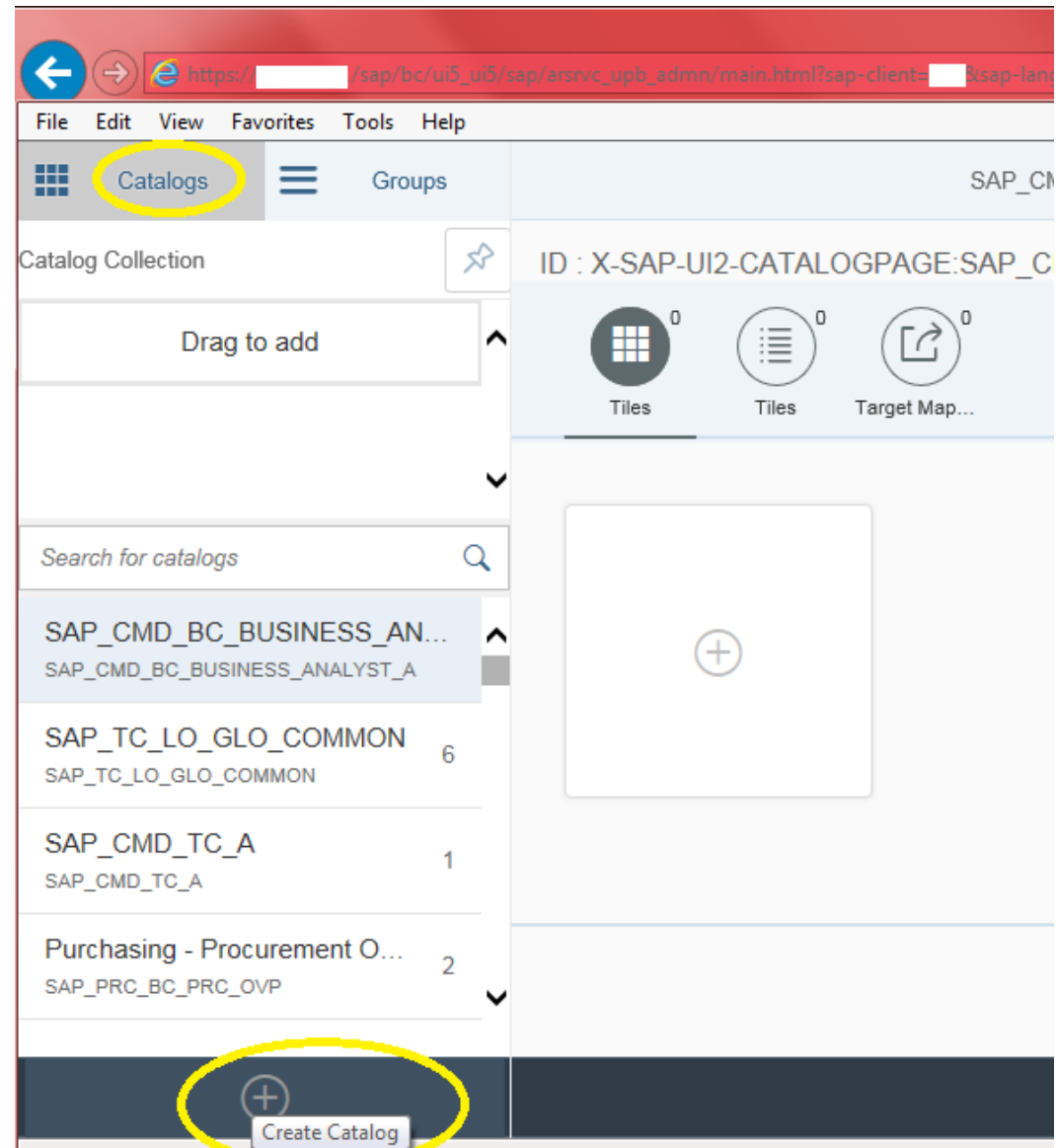
- Once done below screen appears



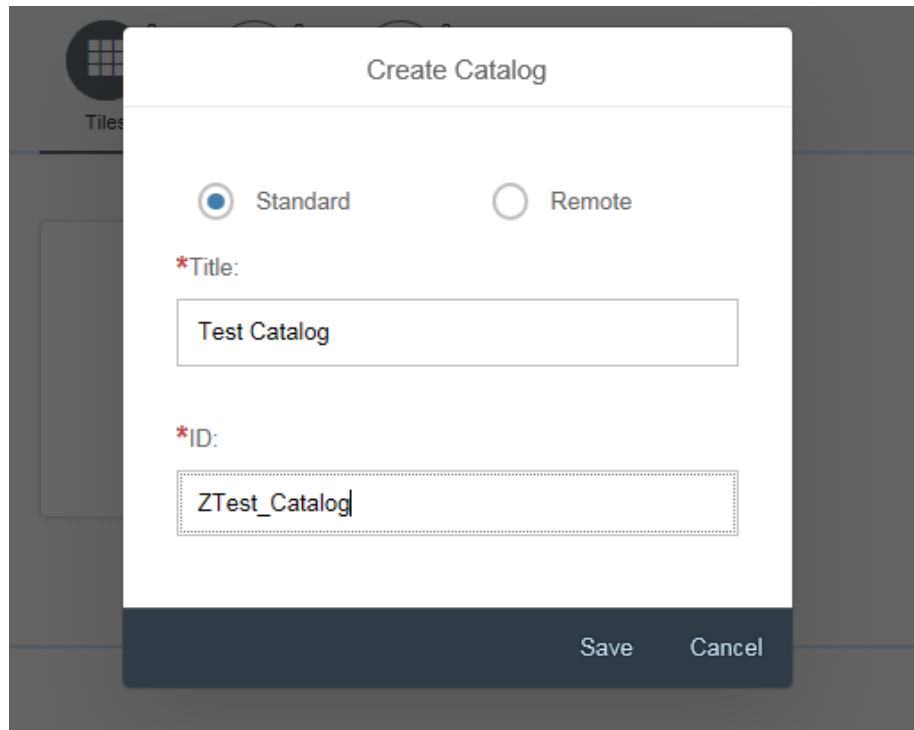
- end.

[3] Create Business Catalog

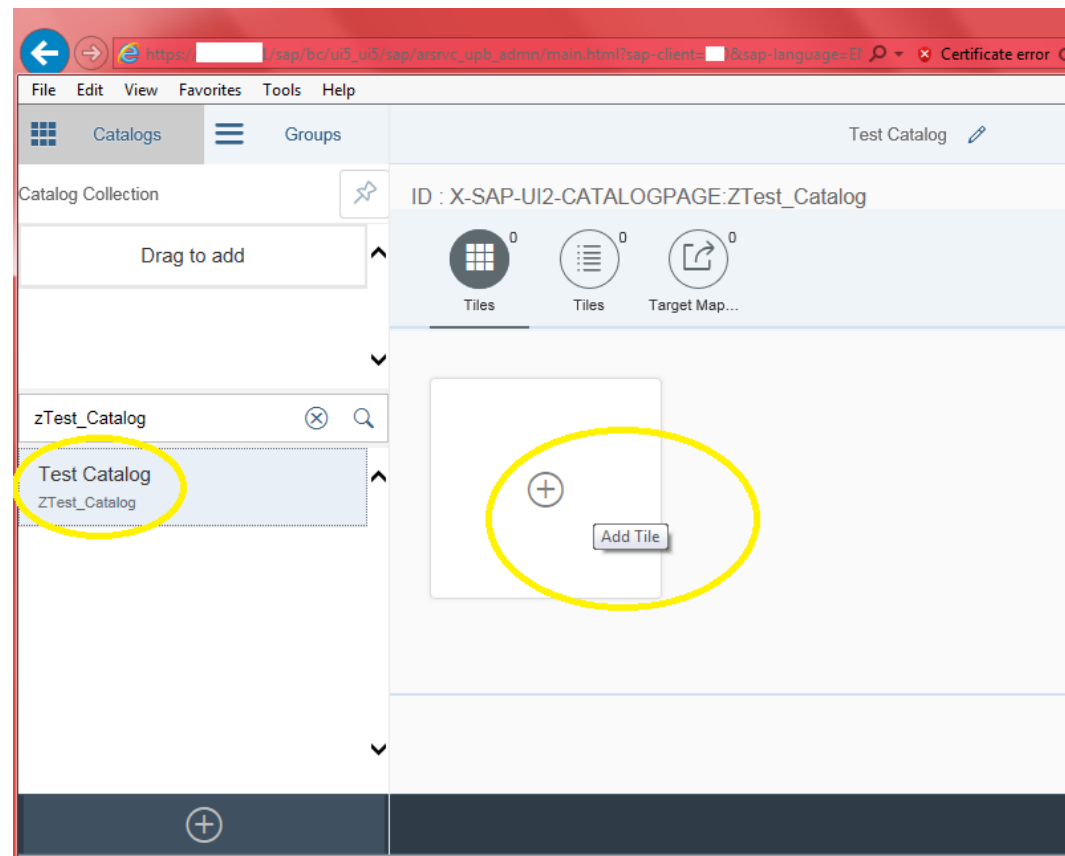
- SAP Fiori Designer Url:
 - `http://<host>:<port>/sap/bc/ui5_ui5/sap/arsvc_upb_admn/main.html`
- Steps:
 - Login to above 'SAP Fiori Designer Url'
 - To add a Catalog, in 'Catalog' section click on plus '+' icon



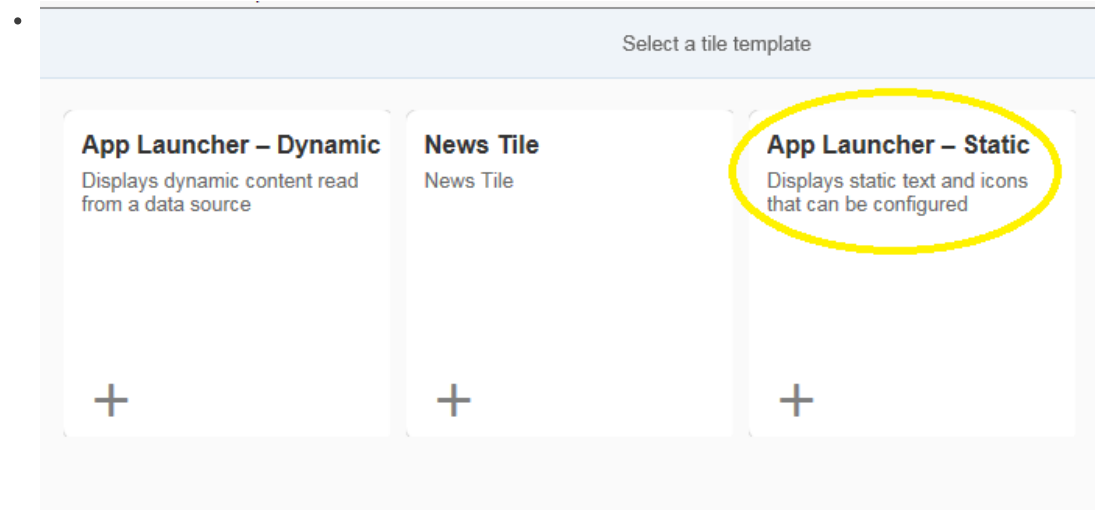
- Enter Catalog Id and title in pop-up window

- 

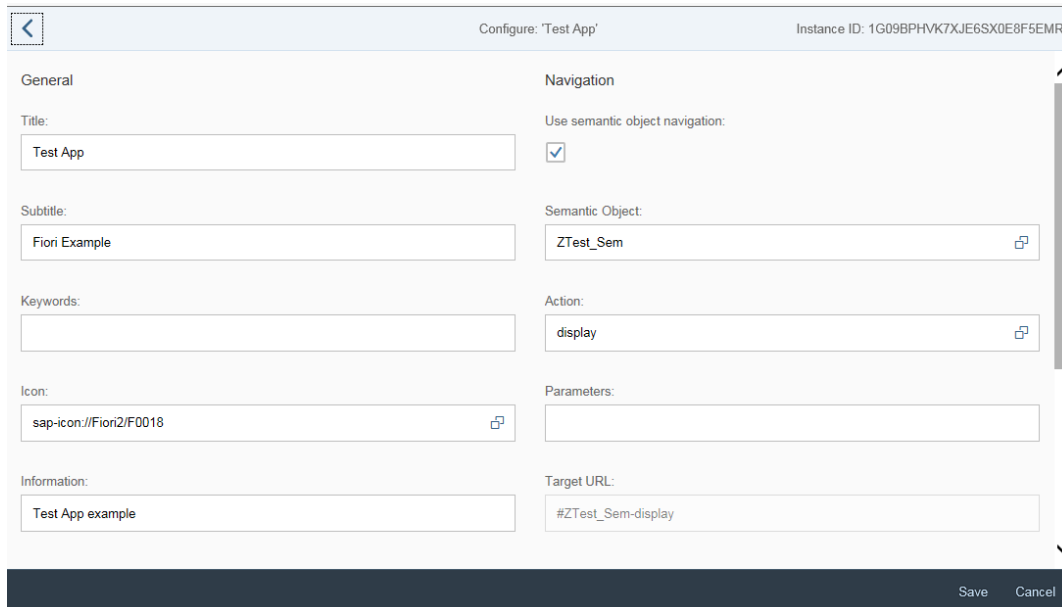
- Now once catalog gets added, we can see it left panel, now next we need to add a 'Tile'



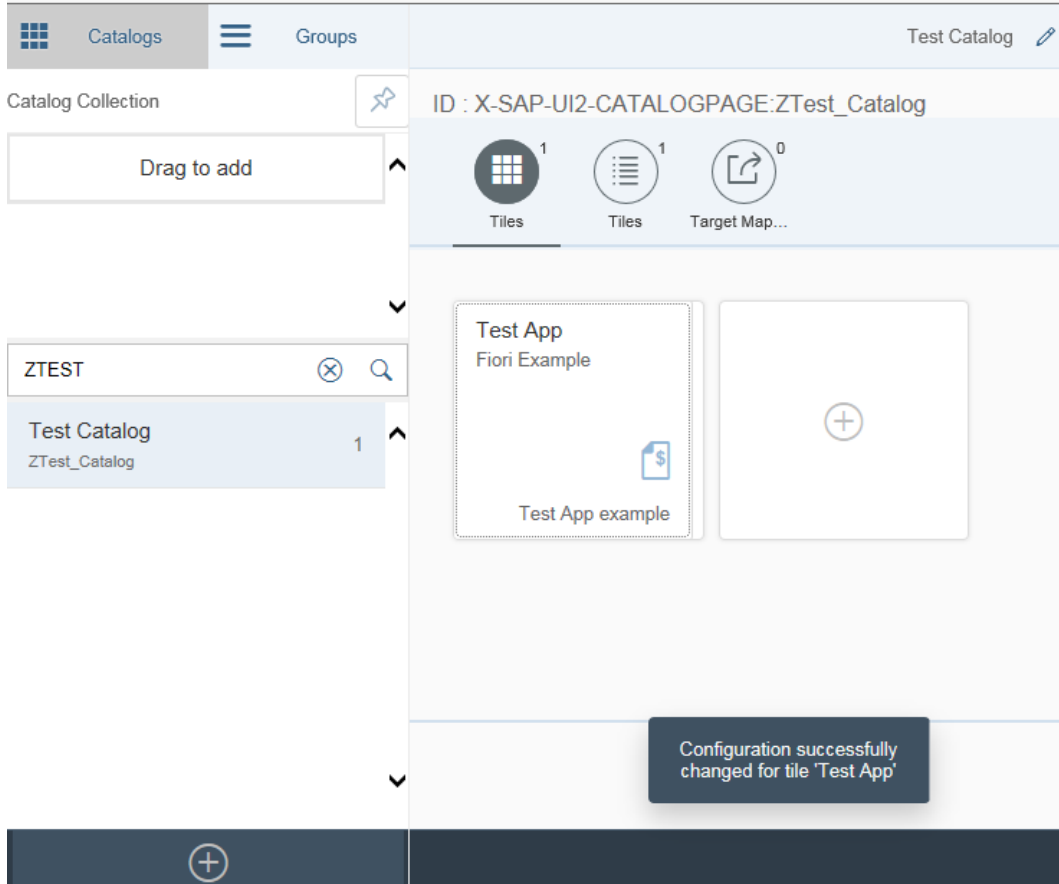
- Here we can add tile as of below types:
 - Static
 - Dynamic
 - New Tile
- select “**App Launcher – Static**” Tile



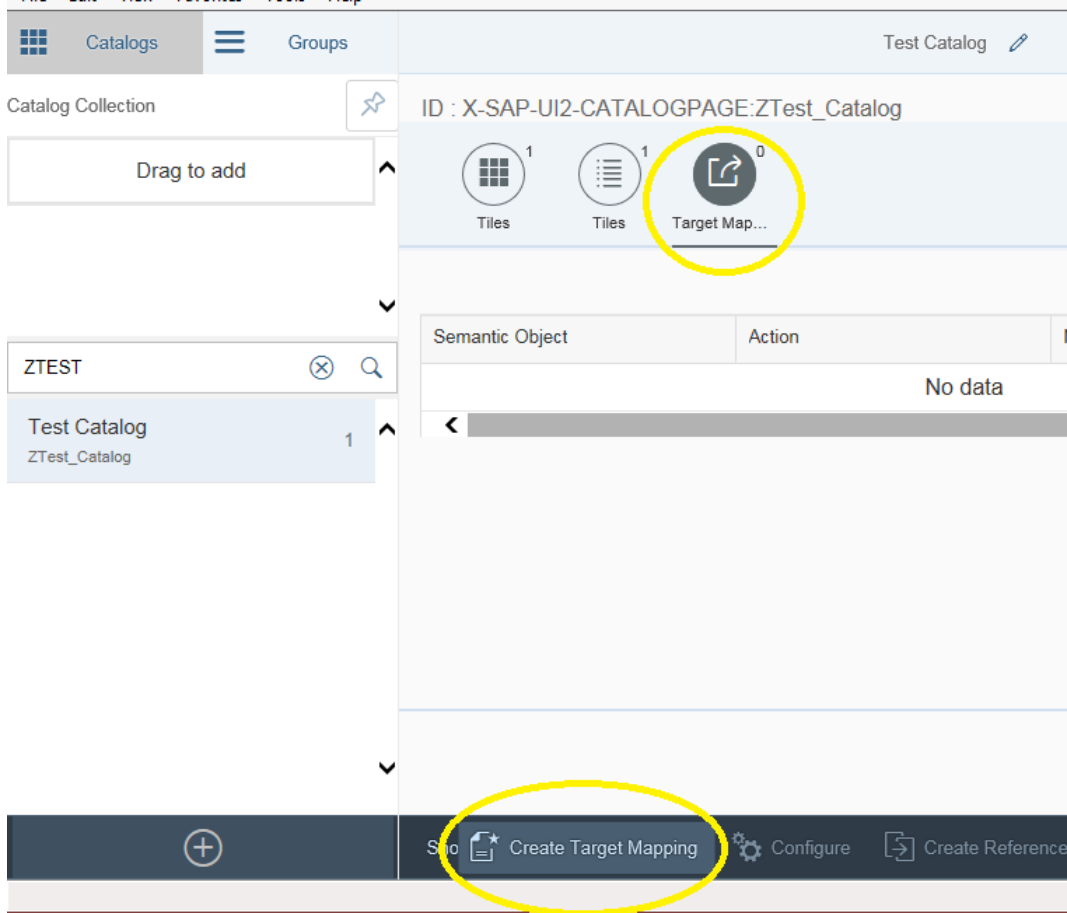
- Enter Title, Subtitle, Semantic Object, Action in Tile and save it.

- 

- Once Tile gets added it can be seen as below:

- The screenshot shows the SAP Fiori Launchpad configuration interface. At the top, there are tabs for 'Catalogs' and 'Groups', with 'Catalogs' selected. The breadcrumb path is 'Test Catalog'. Below the tabs, there's a 'Catalog Collection' section with a 'Drag to add' button. A search bar contains 'ZTEST'. Below the search bar, a list shows 'Test Catalog' with 'ZTest_Catalog' and a count of '1'. The main area displays the ID 'X-SAP-UI2-CATALOGPAGE:ZTest_Catalog' and three icons: 'Tiles' (1), 'Tiles' (1), and 'Target Map...' (0). Below these icons, there's a 'Test App' section with 'Fiori Example' and 'Test App example' tiles. A dark blue notification box at the bottom right states 'Configuration successfully changed for tile 'Test App''. At the bottom, there's a dark blue bar with a plus icon.

- Now, click on the 'Target Mapping' icon, then on the 'Create Target Mapping' status bar button.'

- 

- Enter same Semantic Object name and action as of 'Tile'

Configure: "Target Mapping" Instance ID:

Intent

Semantic Object:

Action:

Target

Application Type:

Launchpad Role:

Launchpad Instance:

Application Alias:

Application ID:

General

Information:

Device Types: ☒ Desktop ☒ Tablet ☒ Phone

Parameters:	Name	Mandatory	Value	Is Regular Expression	Default Value
<input type="checkbox"/>	Enter a nam	<input type="checkbox"/>		<input type="checkbox"/>	

Save Cancel

- And save it.

Catalogs Groups Test Catalog Client: 100

ID : X-SAP-UI2-CATALOGPAGE:ZTest_Catalog Search

Drag to add

Tiles Tiles Target Map...

Configure Columns

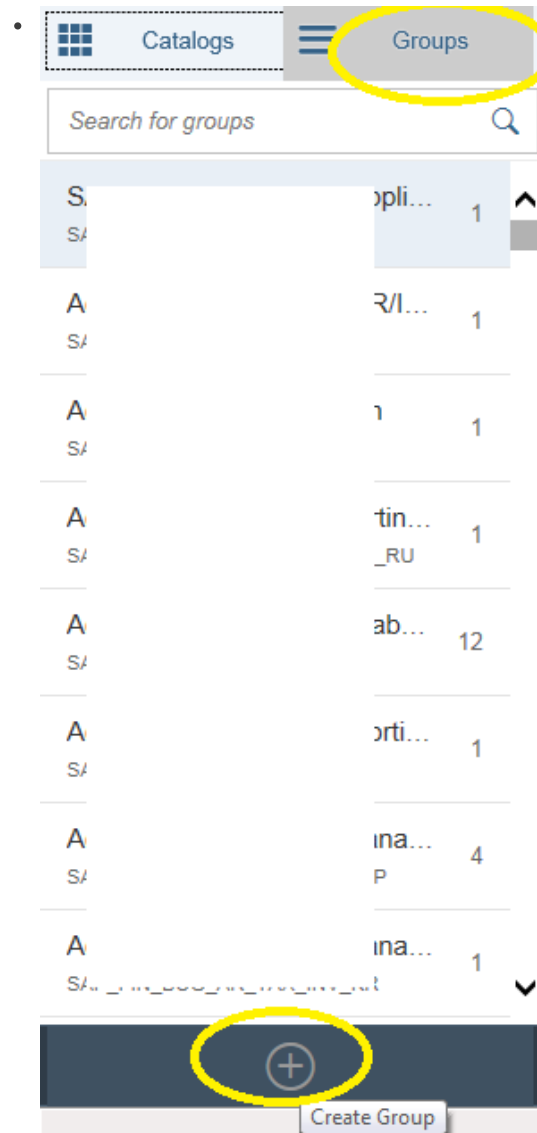
Semantic Object	Action	Navigation Type	Information
ZTest_Sem	display	SAP Fiori App using LPD_CUST	Test Fiori App 0

Configuration successfully changed for tile 'Target Mapping'

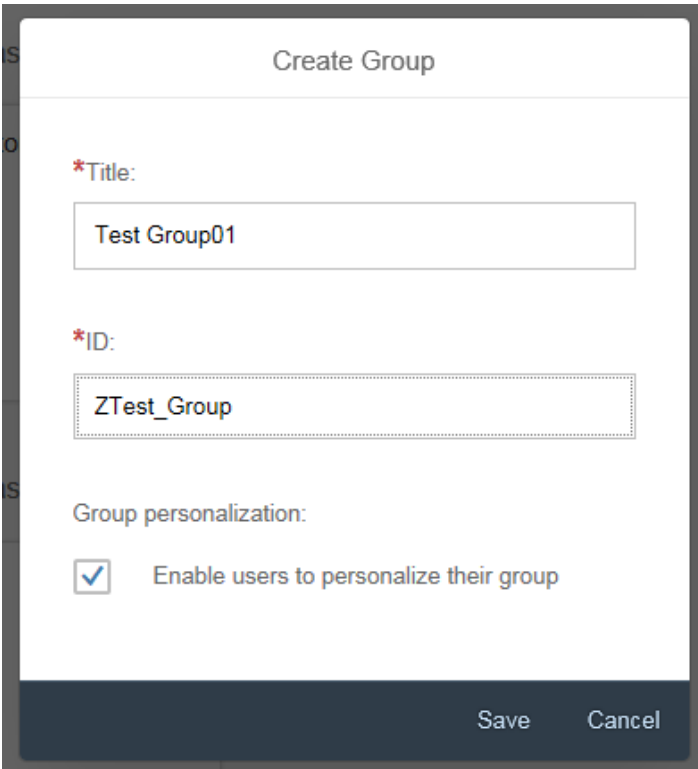
- As a result, 'Semantic Object' + 'Action' is used to connect Tile and 'Target Mapping.'
- and 'SAP UI5 application' path is linked in 'Target mapping' via 'Launchpad Role'
 - Catalog -> Tile -> 'Target Mapping' -> 'Launchpad Role' -> UI5 App

[4] Create Business Group

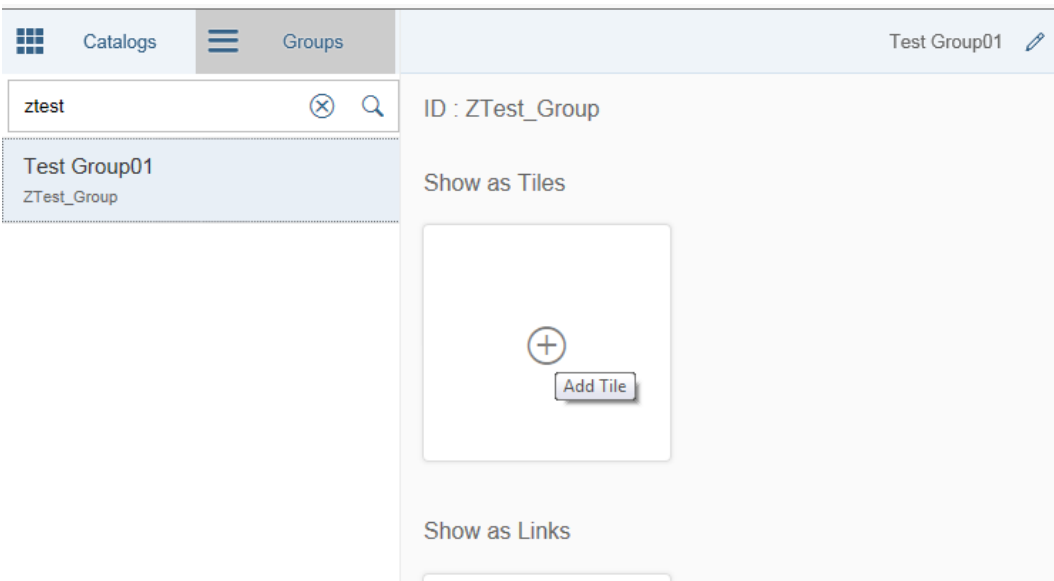
- SAP Fiori Designer Url:
 - `http://<host>:<port>/sap/bc/ui5_ui5/sap/arsrv_upb_admn/main.html`
- Note:
 - A single or several Tiles from the same Catalog or various Catalogs can be included in a single 'Business Group.'
 - In SAP Fiori Launchpad, we use this 'Business Group' to govern app/tile accessibility for users.
- Steps:
- Login to above 'SAP Fiori Designer Url'
- Create Business Group -> go to Group -> click on '+' sign to add group



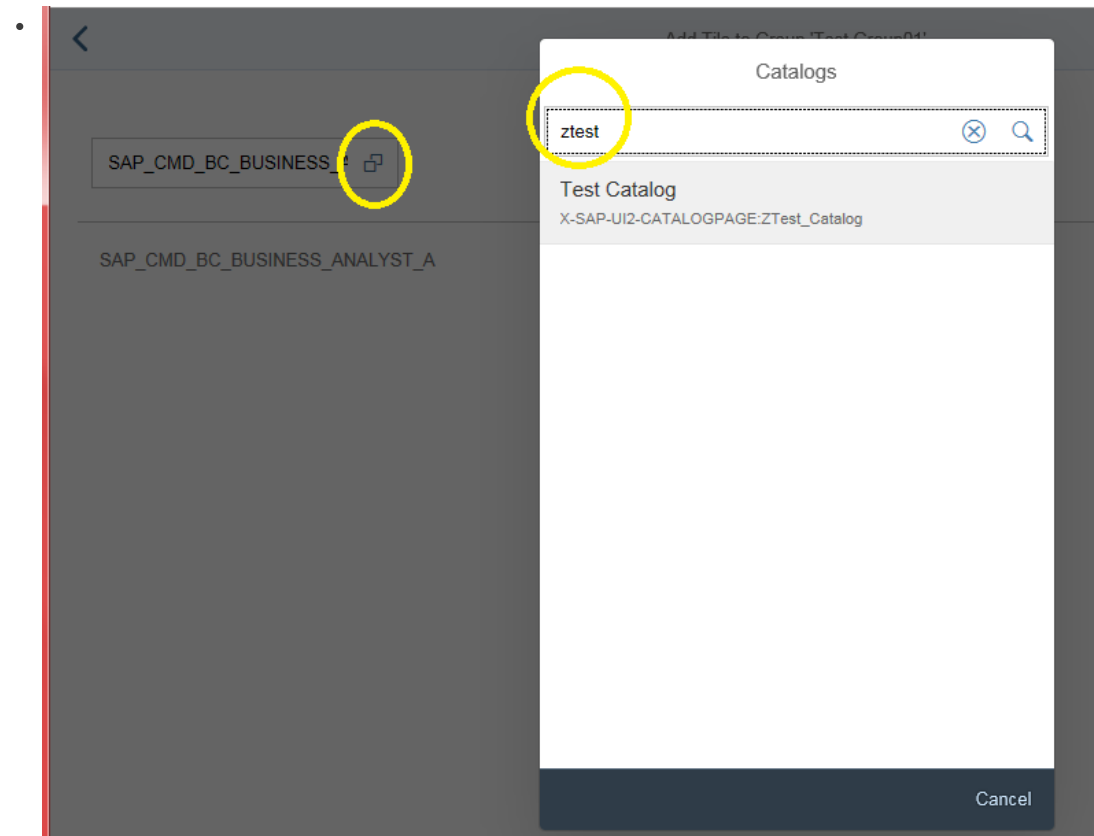
- Enter Group details

- 

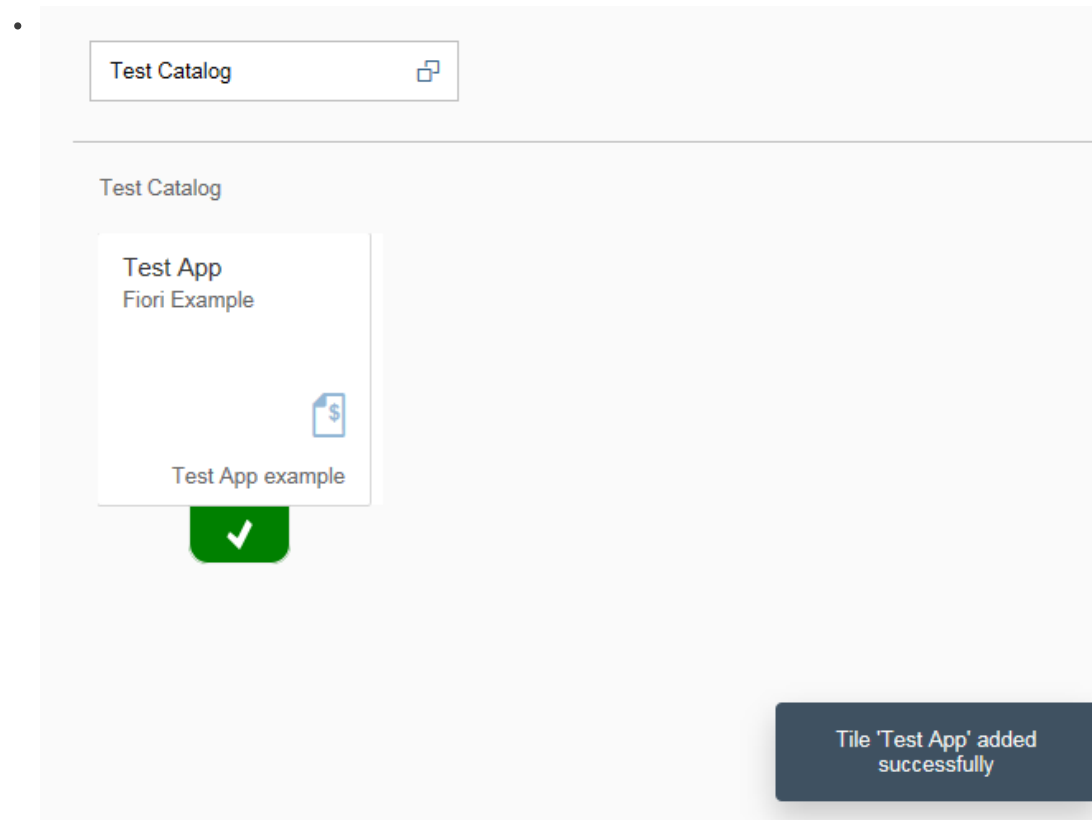
- Once Group get added, we can assign multiple tiles from different catalogs.
- Here select our test catalog and add tile as below

- 

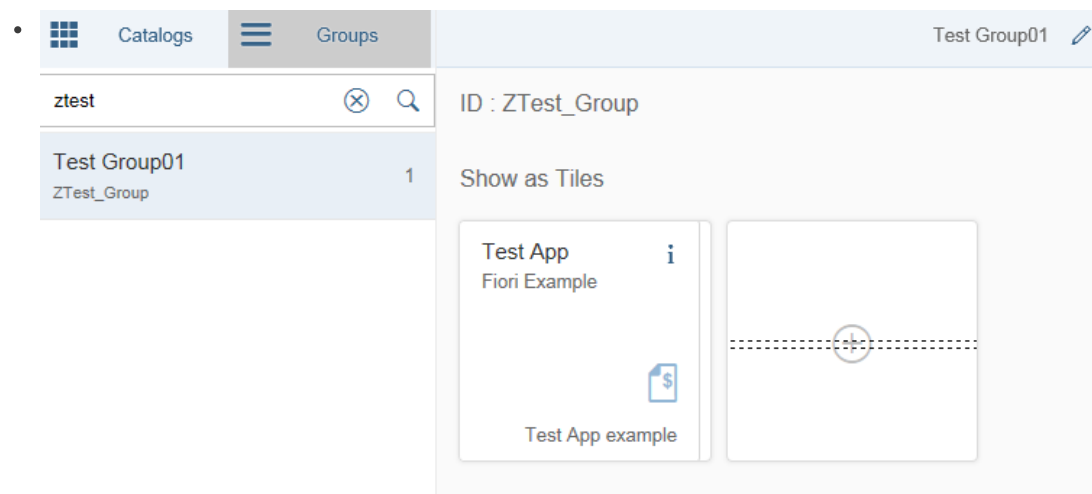
- Search/select test-catalog in the Catalog F4 help pop-up from the button.



- When a catalogue is selected, all of the tiles in that catalogue become visible.
- We must pick the '+' icon of Tile to add a catalogue, which then changes to the 'ok' icon after the catalogue is added.



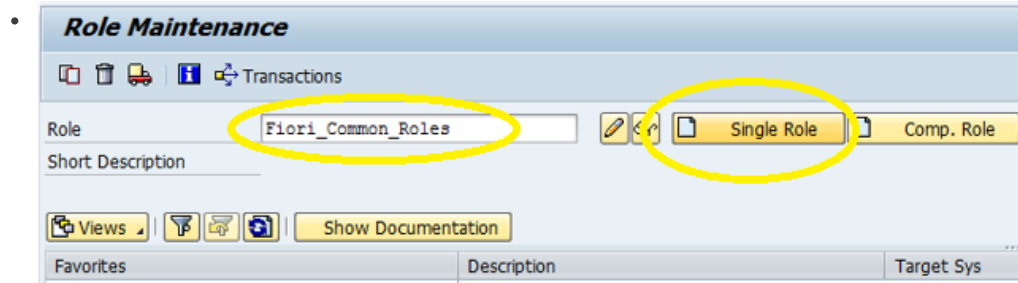
- We can choose numerous 'Tiles' from the same Catalog or from different Catalogs.
- As a result, once a group has been given one tile, it will look like this.



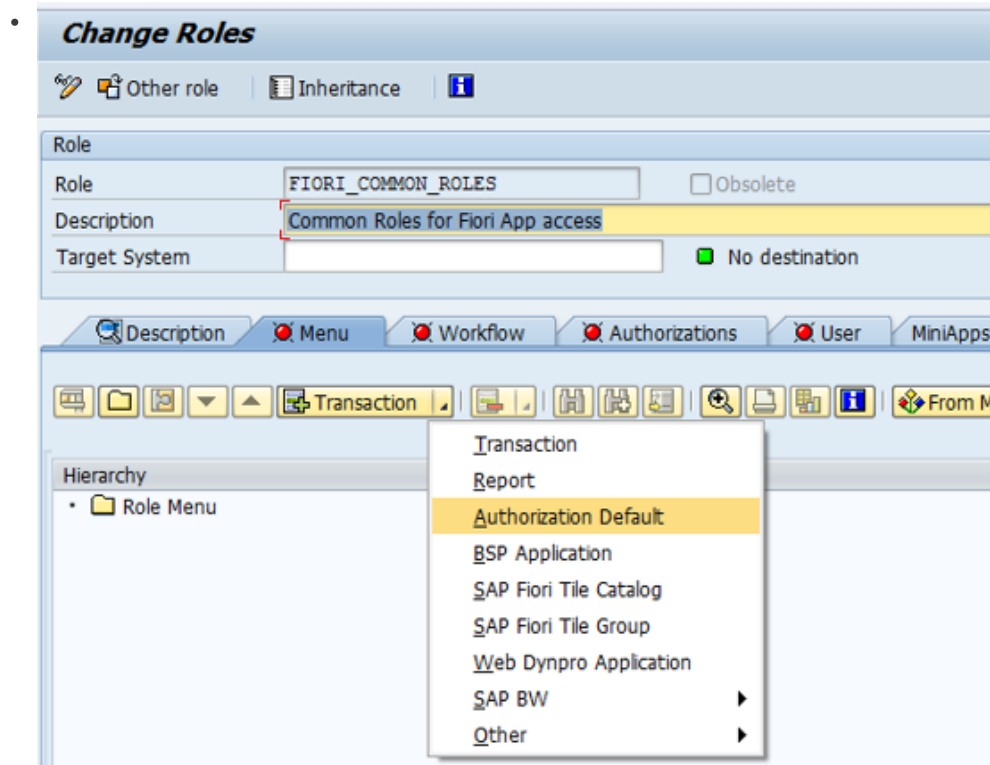
- end

[5] Create App's PFCG Role in SAP Fiori Server (Front-end) server

- T-code: PFCG
- Once the 'Business Catalog' and 'Business Group' have been formed, access to them must be granted to user-ids. To do so, we create a PFCG role specific to the UI5 application that can be assigned to user-ids.
- One user-id will be assigned two PFCG Roles for customizable app accessibility in Fiori Launchpad page:
 1. There is just one PFCG Role for Fiori Launchpad accessibility, which provides access to the services listed below.
 - R3TR IWSG ZINTEROP_0001
 - R3TR IWSG ZPAGE_BUILDER_PERS_0001
 - R3TR IWSG ZTRANSPORT_0001
 - R3TR IWSV /UI2/INTEROP 0001
 - R3TR IWSV /UI2/LAUNCHPAD 0001
 - R3TR IWSV /UI2/PAGE_BUILDER_PERS 0001
 - Note: Post activation/registration of above standard services, they get renamed with 'Z' prefix
 2. For SAPUI5 Application, there is only one PFCG Role, which includes:
 - Business Group
 - Business Catalog
 - Odata Service accessibility
- Steps:
- **[A] Create PFCG Role for Fiori Launchpad accessibility**
 - To create PFCG roles go to t-code 'PFCG' -> Enter Role name -> click on button 'Single Role'



- Enter description
- Go to Tab 'Menu' -> click on end point of button 'Transaction' -> select 'Authorization Default' ->



- Below are the standard Fiori Launchpad services with the parameters shown in the screens:
 - R3TR IWSG ZINTEROP_0001
 - R3TR IWSG ZPAGE_BUILDER_PERS_0001
 - R3TR IWSG ZTRANSPORT_0001
 - R3TR IWSV /UI2/INTEROP 0001

- R3TR IWSV /UI2/LAUNCHPAD 0001
- R3TR IWSV /UI2/PAGE_BUILDER_PERS 0001

- These are required for Fiori Launchpad to be accessible to any user.
- Add R3TR IWSG

Service

Authorization Default: HT TADIR Service

Program ID: R3TR

Obj. Type: IWSG SAP Gateway: Service Groups Metadata

TADIR Service	Text
ZINTEROP_0001	
ZPAGE_BUILDER_PERS_0001	
ZTRANSPORT_0001	

- Add R3TR IWSV

Service

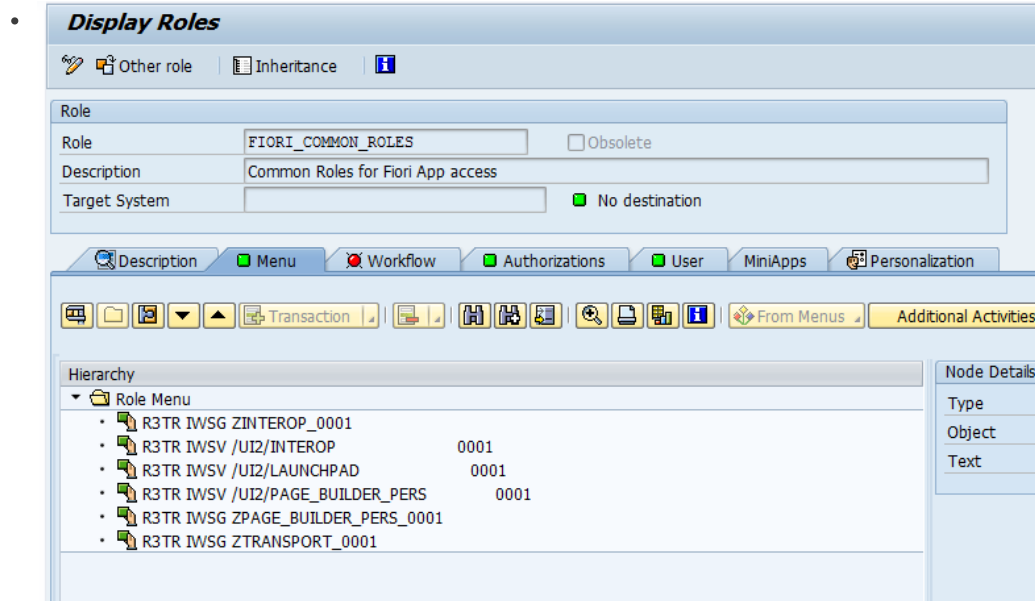
Authorization Default: HT TADIR Service

Program ID: R3TR

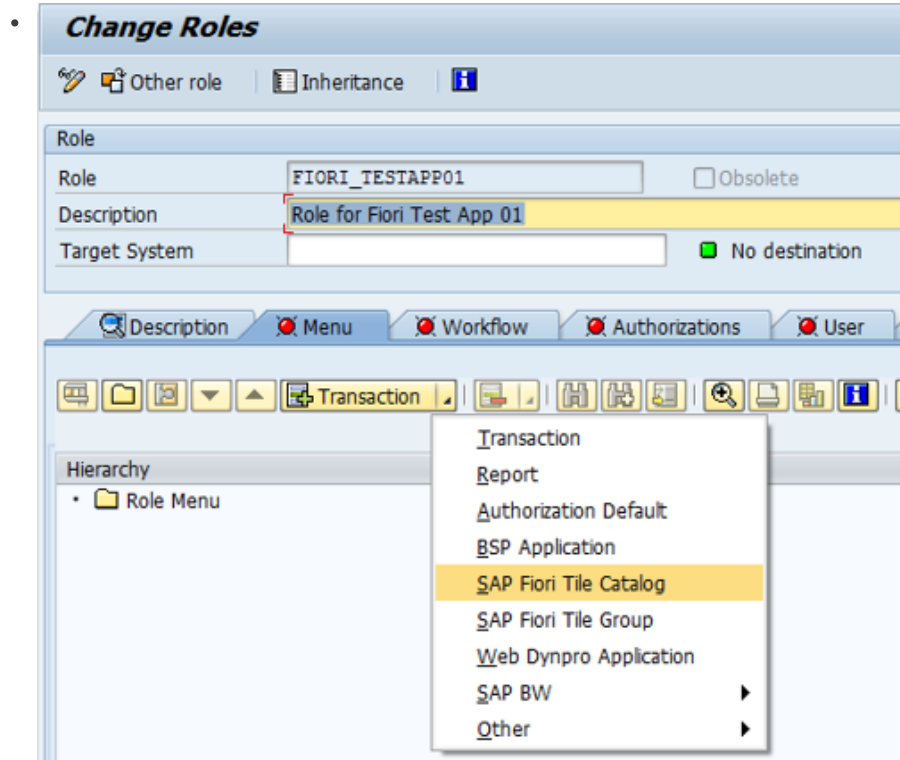
Obj. Type: IWSV SAP Gateway Business Suite Enablement -

TADIR Service	Text
/UI2/INTEROP 0001	
/UI2/LAUNCHPAD 0001	
/UI2/PAGE_BUILDER_PERS 0001	

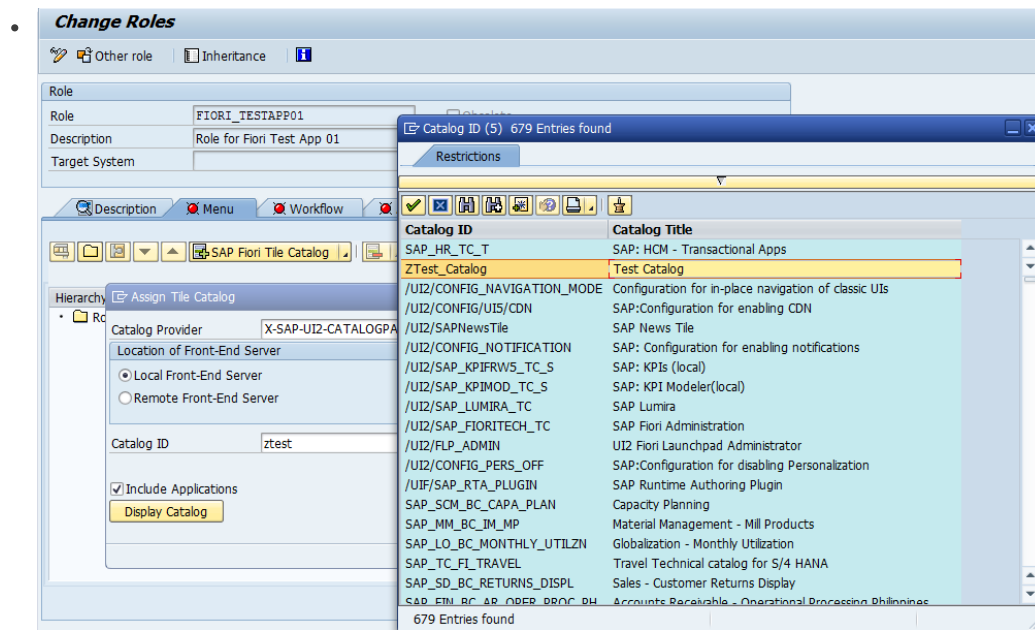
-
- Now add user in tab 'USER', to which app access is to be given for e.g. 'DILIPP' and perform user comparison
- And generate authorization profile in tab 'Authorization'
- Once above activities gets completed our roles looks like as below:



-
- **[B] Create PFCG Role for SAPUI5 Application**
 - To create PFCG roles go to t-code 'PFCG' -> Enter Role name -> click on button 'Single Role'
 - Enter description
 - Go to Tab 'Menu' -> click on end point of button 'Transaction' -> select 'SAP Fiori Tile Catalog' ->



- Adding 'Business Catalog' access: In Next pop-up select 'Business Catalog' which we have created



• **Assign Tile Catalog**

Catalog Provider: X-SAP-UI2-CATALOGPAGE Fiori Laun ...

Location of Front-End Server

☒ Local Front-End Server
☐ Remote Front-End Server

Catalog ID: ZTest_Catalog
 Test Catalog

☒ Include Applications

Display Catalog

- Adding 'Business Group' access:
- Go to Tab 'Menu' -> click on end point of button 'SAP Fiori Tile Catalog' -> select 'SAP Fiori Tile Group'
- Because the last option was of a catalogue, the 'Transaction' button has been replaced by 'SAP Fiori Tile Catalog.'

• **Role**

Role: FIORI_TESTAPP01 ☐ Obsolete

Description: Role for Fiori Test App 01

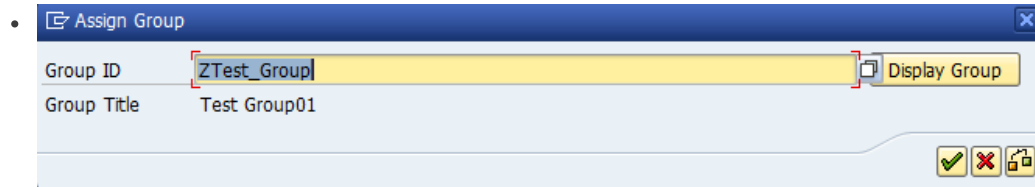
Target System: No destination

Menu

Restrictions

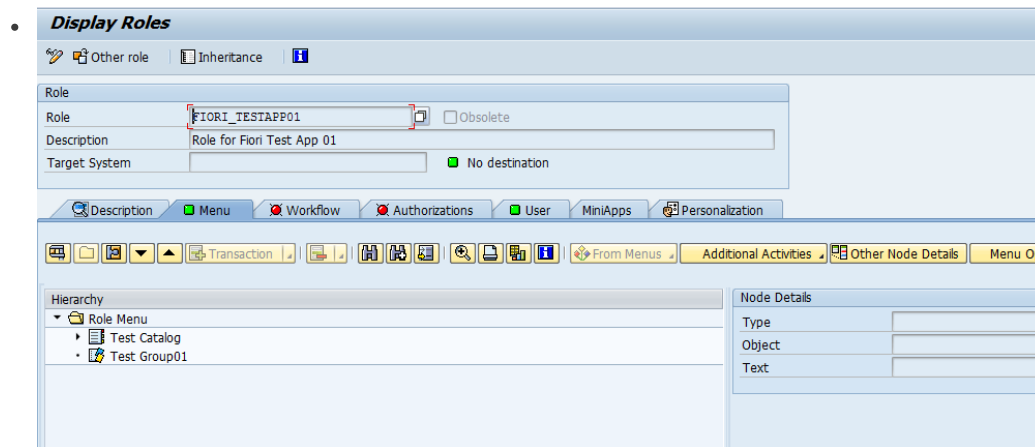
Group ID (5) 447 Entries found

Group ID	Group Title
SAP_SLL_BCG_CLASSIFICATION	Foreign Trade Classification
SAP_SLL_BCG_INTRASTAT	Intrastat
SAP_TRAVEL_BCG_BUSINESSTRAVELL	Business Traveler
SAP_TRAVEL_BCG_EMPLOYEE_X1	Employee (Travel)
SAP_TRM_BCG_AC	Treasury - Accounting
SAP_TRM_BCG_CORR	Treasury - Correspondence
SAP_TRM_BCG_HMA	Treasury - Hedge Management and Accounting
SAP_TRM_BCG_MD	Treasury - Market Data Management
SAP_TRM_BCG_OA_REP	Treasury - Financial Status
SAP_TRM_BCG_PM	Treasury - Treasury Positions
SAP_TRM_BCG_REP	Treasury - Reporting
SAP_TRM_BCG_RM	Treasury - Risk Management
SAP_TRM_BCG_TM_ADD	Treasury - Trader Tools
SAP_TRM_BCG_TM_FT	Treasury - Financial Transactions
SAP_TRM_BCG_TM_FX	Treasury - FX Transactions
SAP_TRM_BCG_TM_MM	Treasury - Money Market Transactions
SAP_TRM_BCG_TM_TF	Treasury - Trade Finance Transactions
ZTest_Group	Test Group01



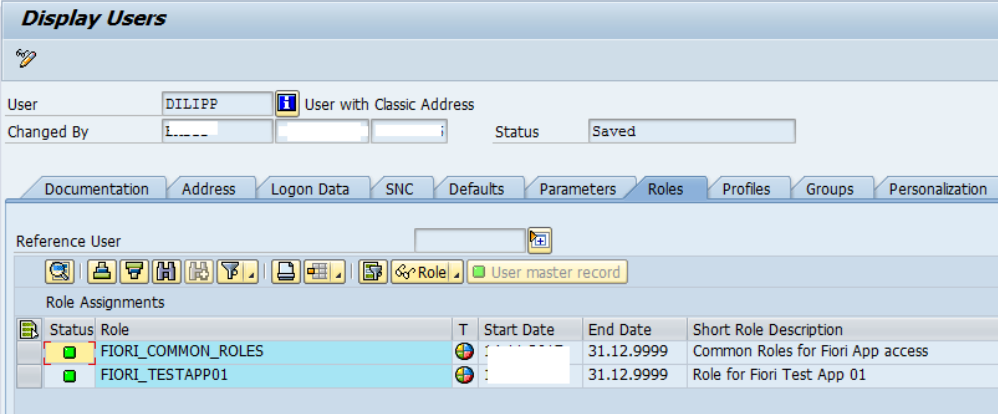
• Adding custom 'Odata Service' access:

- If UI5 App is using Custom OData Service, then add R3TR IWSG & IWSV accessibility also
- Go to Tab 'Menu' -> click on end point of button 'SAP Fiori Tile Group' -> select 'Authorization Default' ->
- Now, in the tab 'USER,' create a user for whom app access is to be granted, such as 'DILIPP,' and compare users.
- And generate authorization profile in tab 'Authorization'
- Once above activities gets completed our roles looks like as below:



• **[C] Role assignment to user-id**

- If one user-id 'DILIPP' requires access to our test app, we must assign the PFCG role to this user-id.
- In SAP-fFori server, Go to t-code 'SU01' -> Tab 'roles' -> add roles

- 

Display Users

User: DILIPP User with Classic Address

Changed By: i..... Status: Saved

Documentation Address Logon Data SNC Defaults Parameters **Roles** Profiles Groups Personalization

Reference User: [Search]

Role Assignments

Status	Role	T	Start Date	End Date	Short Role Description
Active	FIORI_COMMON_ROLES			31.12.9999	Common Roles for Fiori App access
Active	FIORI_TESTAPP01			31.12.9999	Role for Fiori Test App 01

- We can now access the UI5 app tile by logging into SAP Fiori Launchpad with this user-id.



Posted by zone-i



Labels: [fiori erp](#), [s4 hana fiori](#), [sap fiori](#), [sap fiori app](#), [sap fiori client](#), [sap fiori launchpad](#), [sap s4 hana fiori](#)

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