

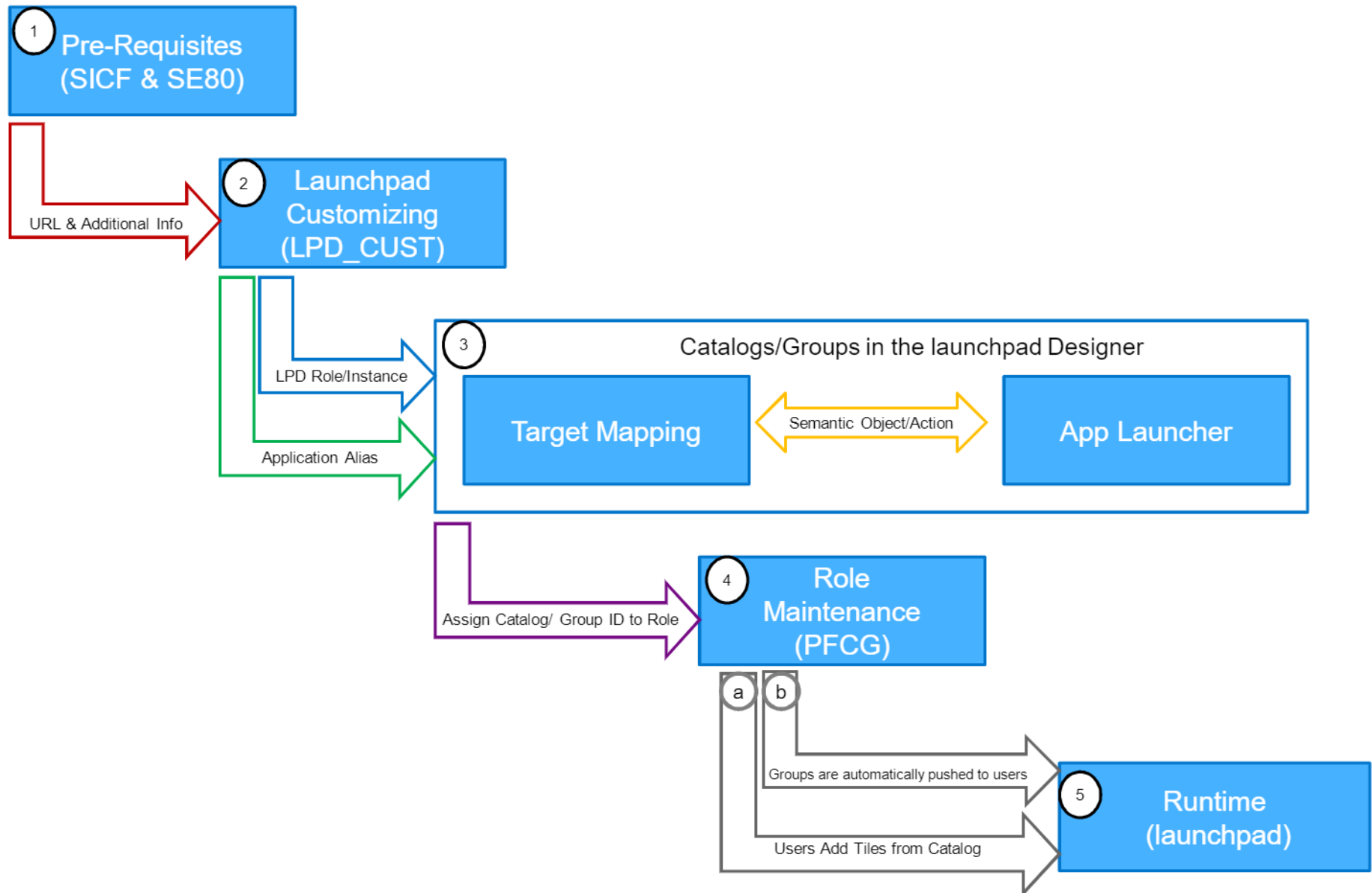
SAP Fiori Launchpad Process Flow

SAP Fiori UX launchpad Configuration: End to End
CEG: November 2014



High Level Process Flow:

End to End SAP Fiori UX launchpad Configuration



Detailed View: How the Steps Relate to Each Other

Pre-requisites (1) & launchpad Customizing (2)



Transaction: SICF

Create/Change a Service

Path: /default_host/sap/bc/ui5_ui5/sap/

Service Name: sd_myquotes Service (Active)

Lang.: English

Description: My Quotations

Service Data Logon Data Handler List Error Pages Administration

SAPUI5 URL

Transaction: LPD_CUST

Link Details

Link Text: My quotations

Description:

Application Type: URL

Application Parameter: URL: /sap/bc/ui5_ui5/sap/sd_myquotes

System Alias:

Hide Advanced (Optional) Parameters

Advanced Parameters (Optional)

Application - Deactivation by User

Application Cannot be Removed from Launchpad

Application-Related Parameters

Application Alias: MyQuotes

Target App. Parameters:

Proxy Class:

Additional Information: SAPUI5.Component=cus.sd.myquotations

Portal Parameters

Navigation Mode: EXT_HEAD Headerle ...

Window Features:

History Mode: 1 Navigation Entry can Occur Once in ...

Transaction: SE80

Web Application Builder: Display Page SD_MYQUOTES

Page: Component.js Active

Properties Layout

Object Name: Component.js

Page Fragments:

- resources
- util
- view
- UISRepositoryBinaryFiles
- UISRepositoryIgnore
- UISRepositoryTextFiles
- Component.js
- Configuration

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jQuery.sap.declare("cus.sd.myquotations", {

My Quotations, "version": "1.0.0-SNAPSHOT", "library": "sap.ui", "fioriIcon": "/resources/sap/ca/ui/themes/base/img/launchicon/F0390_My_Quotations/14sterDetail", view: "MainSplitContainer", viewPath: "sap", subroutes: [{ pattern: "detail/{contextPath}", view: "S3egation: "masterPages", view: "ProductSearch", viewLevel pattern: "copy", name: "copy", view: "CreateQuotation", te uotation", targetControl: "fioriContent", targetAggre

Component ID

Detailed View: How the Steps Relate to Each Other

launchpad Customizing (2) & Target Mapping/App Launcher Tiles (3)



Step 2: LPD_CUST in Gateway - Create launchpad and assign navigation targets

Role	Instance	Description
FIORITEST	TRANSACTIONAL	Launchpad for Fiori

Link Details
Link Text: My Quotations
Description:

Application Type
Application Type: URL

Application Parameter
URL: /sap/bc/ui5_ui5/sap/sd_myquotes

System
System Alias:

Hide Advanced (Optional) Parameters

Advanced Parameters (Optional)
Application - Deactivation by User
Application Cannot be Removed from Launchpad ☐

Application-Related Parameters
Application Alias: myQuotes

Target App. Parameters
Suspend/Resume ☐

Proxy Class:

Additional Information: SAPUI5.Component=cus.sd.myquotes

FPM Event ID:

Portal Parameters
Navigation Mode: EXT_HEAD Headerle...

Window Features:

History Mode: 1 Navigation Entry can Occur Once in ...

Parameter Forwarding: G Get Parameters

Role/Instance

Application Alias

Step 3: Add target mapping tile in launchpad Designer

Configure: 'Target Mapping' Ins

Intent
Semantic Object: SalesQuotation
Action: displaySalesQuotations

Target
Source of the Navigation Target: ☐ UI5 SAP Fiori Application ☒ ABAP Report La

Launchpad Role: FIORITEST

Launchpad Instance: TRANSACTIONAL

Application Alias: myQuotes

Application ID:

General
Information:

Device Types: ☒ Desktop ☒ Tablet ☒ Phone

Parameters

Name	Mandatory	Value	Is Regular Ex
Enter Name	<input type="checkbox"/>	<input type="text"/>	<input type="checkbox"/>

☒ Allow additional parameters Add Delete

Step 3: Add app launcher tile in launchpad Designer

Configure: 'My Quotes' Ir

General
Title: My Quotes
Subtitle: Displays dynamic content read from a data source
Keywords:
Icon: sap-icon://Fiori2/F0012
Information:
Number Unit:

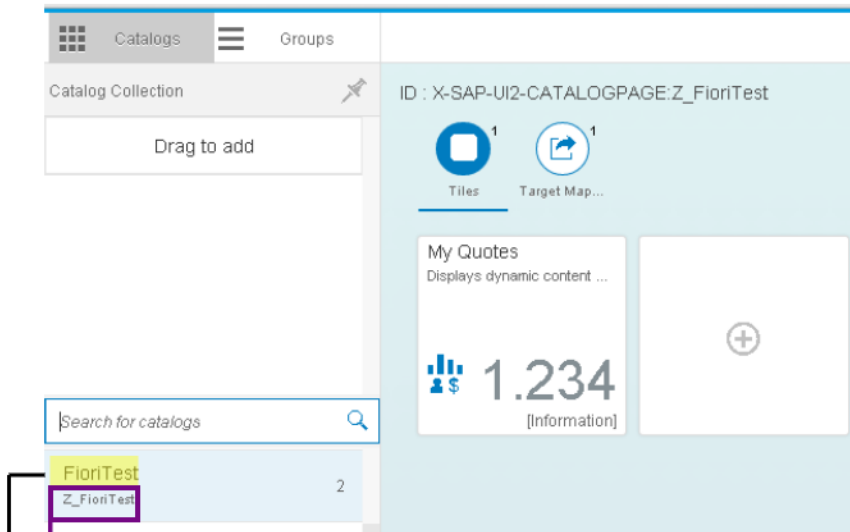
Dynamic Data
Service URL: /sap/opu/odata/sap/LORD_MY_QUOTATION_SRV/Quot.
Refresh Interval in Seconds: 0

Navigation
☒ Use semantic object navigation:
Semantic Object: SalesQuotation
Action: displaySalesQuotations
Parameters:
Target URL: #SalesQuotation-displayMyQuotations

Semantic Object/Action

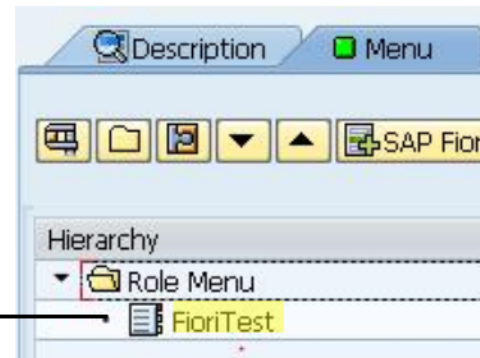
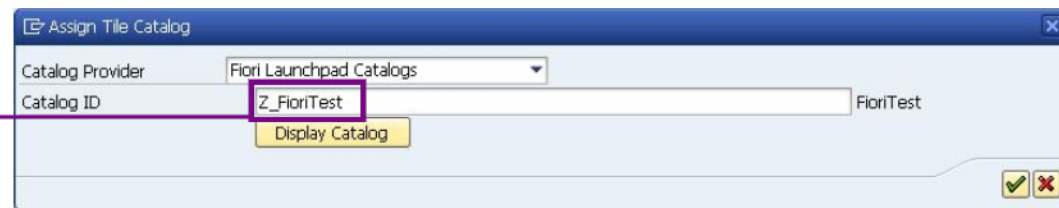
Detailed View: How the Steps Relate to Each Other

Target Mapping/App Launcher Tiles (3) & Role Maintenance (4a)



Administrators have the option of using/modifying a preconfigured catalog delivered by SAP or creating their own catalog. Irrespective of which option is leveraged, user roles need to be assigned. Roles are assigned using transaction PFCG. Enter the role name and then on the Menu tab search or enter the catalog you wish to assign roles to.

Notice the Catalog ID you search for is the same catalog ID you entered or SAP delivered in the launchpad designer. Once the catalog is added you will see the name you chose or the pre delivered name listed in the role menu.



Detailed View: How the Steps Relate to Each Other

Role Maintenance (4a) & Runtime (5)



Role Maintenance

User ID	User name
KJACOB	KJACOB

User: Kjacob

Password:

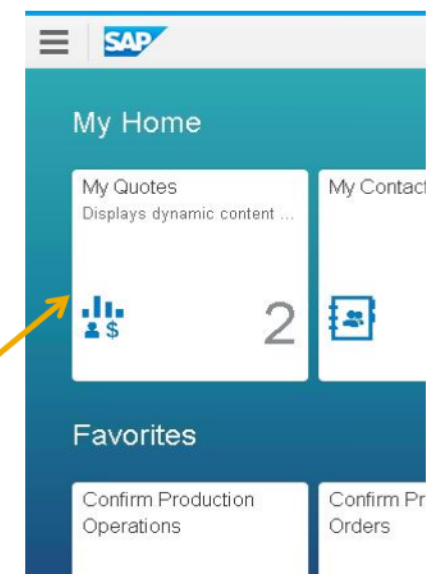
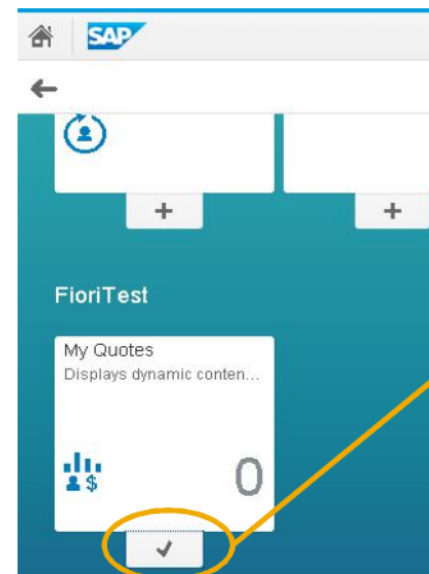
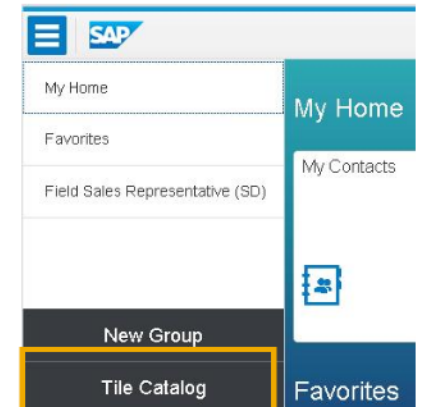
Language: EN - English

Log On

Runtime (launchpad)

The final step is to assign roles to catalogs. On the user tab enter the user Ids of the users you want to access the catalog.

Once a role is assigned, end users access the catalog through the Tile Catalog in their launchpad. In the tile catalog users can select which tiles they want displayed on their launchpad by selecting the plus sign under a given tile.



Detailed View: How the Steps Relate to Each Other

Target Mapping/App Launcher Tiles (3) & Role Maintenance (4b)



Similar to catalogs, SAP delivers preconfigured groups and administrators have the option to leverage those groups or create their own. Irrespective of which option is leveraged roles will need to be assigned. In the same manner as catalogs, administrators would search for a group on the menu tab of transaction PFCG – the group ID and group name match the launchpad designer.

The screenshot illustrates the configuration of a SAP Fiori Test group. It is divided into three main sections:

- Groups List:** A table showing available groups. The 'Fiori Test' group is highlighted in yellow and its ID 'Fiori_Test' is circled in purple.
- Group Details:** A panel for 'Fiori_Test' showing 'My Quotes' and 'My Travel Requests' tiles. A large '0' and a blue '+' icon are displayed in the center.
- Assign Group Dialog:** A dialog box where 'Fiori_Test' is entered in the 'Group ID' field. The 'Group Title' is 'Fiori Test'. A 'Display Group' button is visible.
- Role Menu Hierarchy:** A screenshot of the 'Menu' tab in the PFCG transaction, showing a hierarchy where 'Fiori Test' is selected under the 'Role Menu'.

Arrows indicate the flow of information: from the 'Fiori_Test' group in the list to the 'Assign Group' dialog, and from the 'Fiori Test' role in the hierarchy to the 'Assign Group' dialog.

Detailed View: How the Steps Relate to Each Other

Role Maintenance (4b) & Runtime (5)



Role

Role: FIORITEST

Description:

Target System:

Description Menu Authorizations

User Assignments

User ID	User name
KJACOB	KJACOB

User: KJACOB

Password:

Language: EN - English

Log On

Roles are assigned in the same manner as catalogs; on the User tab administrators enter the users ID.

However, unlike catalogs, when users who are assigned a group access their launchpad the group will automatically be displayed.

SAP

My Home

Google

What is SAP Fiori UX SCN

Launchpad Designer

My Leave Requests

Fiori Test

My Quotes
Displays dynamic content ...

Track Purchase Order

Buyer (MM)

Track Purchase Order

Order from Requisitions

Appendix

Explanation [notes section] of the slides in this presentation



High Level Process Flow

Notes from slide 2



1. Pre-Requisites

The prerequisites obtained from transaction SICF & SE80 are included in the launchpad you create in transaction LPD_CUST in the URL and additional information fields, respectively.

2. Launchpad Customizing

The data from your launchpad in transaction LPD_CUST is linked to the target mapping tile in your launchpad designer through the launchpad Role/Instance and application alias fields.

3. Catalogs/Groups in the launchpad designer

Your target mapping tile is linked to the app launcher tile through the semantic object/action

4. Role Assignment

Catalogs that contain target mapping tile(s) and app launcher tile(s) are linked to users by assigning the catalog ID to specific users in transaction PFCG on the menu tab. Groups that contain only app launcher tiles are linked to users by assigning the group ID to specific users in transaction PFCG on the menu tab.

5. Runtime

Catalogs and groups are assigned to users in transaction PFCG on the user tab

- a. Catalogs that are assigned to users are displayed in the catalog in the users launchpad. Users need to open the catalog and add the tiles they choose to their launchpad
- b. Groups that are assigned to users are automatically displayed in the launchpad, no tasks need to be performed by end users in order to see the tiles.



Pre-requisites (1) & launchpad Customizing (2)

Notes from slide 3

In an SAP out of the box Fiori delivery the fields in this slide are filled out for you. This step shows you where you can obtain this information from should you need to and where the launchpad renders the data from.

URL:

- The app specific help for each SAP Fiori app provides you with a UI Application technical name. This name gets appended to the service URL path which can be found in the activate ICF services section of the SAP Fiori help.
- Alternatively you can log into your gateway system and access transaction SICF (Maintain Services) – choose the execute button
 - Navigate as follows (this path will be the same for all apps): default_host → sap → bc → ui5_ui5 → sap → <UI5 application name of your SAP Fiori app>
 - Double clicking on the app name will render the screen you see in the slide 'Create/Change a Service'
 - The URL needs to be entered into the URL field of your launchpad in the following format:
/sap/bc/ui5_ui5/sap/<UI5 application name of your SAP Fiori app>

Additional Information:

- Transaction SE80 (Object Navigator)
- Choose BSP Application from the dropdown list and in the field below enter the UI5 application name of your SAP Fiori app → choose the glasses icon
- Expand the Page Fragments node → double click the component.js file
- You'll see the jquery.sap.declare name which you will enter in the Additional Information field using the following syntax:
SAPUI5.Component=<Jquery.sap.declare name of your app>

launchpad Customizing (2) & Target Mapping/App Launcher Tiles (3)

Notes from slide 4



Target Mapping Tile

Navigation tile, not seen at runtime; requires information on the Intent and Target

- The target asks for the Launchpad Role and Instance which are derived from the same role and instance in LPD_CUST
- The application alias is derived from the application alias of the specific app you're configuring (open the LPD_CUST catalog and double click the app to reveal this information)
- The Intent asks for the Semantic Object and Action. You can use an SAP predelivered Semantic Object or your own. The Action needs to be entered using camelCase and whatever you put here will need to match exactly what you enter in your app launcher tile.

Note: In SP09 of the UI Add-On we added popups for the fields in the launchpad designer when you hover indicating what data should be put in the field

App Launcher Tile

The tile your end users will see at runtime; requires general & navigation information

- The General Information will be what end users see when they access the tile (title, subtitle, icon etc.) The dynamic data field is for the service URL of the OData service you call for the data. For example, this tile option is good for approval apps.
- The navigation data gives you the option to use semantic object navigation – for the purposes of this process flow we want to make sure that box is checked. We also want to add the Semantic Object and Action we detailed in the target mapping tile. (This is case sensitive and the action needs to be written in camelCase).
 - If you wanted to launch a web page from your launchpad, for example the What is SAP Fiori UX SCN page, then you would uncheck the use semantic object navigation box and paste the URL into the Target URL field.

The diagram illustrates a multi-tier architecture. It consists of three main components: a Client, an Application Server, and a Database Server. The Client is connected to the Application Server, which is in turn connected to the Database Server. The Application Server and Database Server are connected via a Network. The Application Server is highlighted with a yellow oval, indicating its central role in the architecture.

Role Maintenance (4a) & Runtime (5)

Notes from slide 6



The final step is to assign users to the catalog so that during runtime they can access it. To do this stay in transaction PFCG where we left off from the step before and choose the User tab. Then add the user by entering their User ID in the User ID field. Save your entries.

For Catalog Assignment (step 5a from slide 1)

- Once users are assigned to a catalog they will access their launchpad and choose the Open Catalog button from the top right corner. They will be presented with all the catalogs assigned to their roles and they can choose which apps to add and how to arrange them. This is the personalization feature for end users.

Target Mapping/App Launcher Tiles (3) & Role Maintenance (4b)

Notes from slide 7



- In the launchpad designer add a new group by selecting the Group tab and choosing the new Group button. Enter a Group Title and ID. In the navigation pane on the left side of your launchpad designer you will see all groups listed and just like catalogs you will notice the top name is the 'Title' and the bottom name is the 'ID'.
- The ID field is what you will reference in transaction PFCG. You will enter a role name. On the Menu tab you will choose the 'insert node' arrow and select Group.
- In the popup search by the Group ID
- After the group is added the Title name is listed under Menu Hierarchy.

Role Maintenance (4b) & Runtime (5)

Notes from slide 8



The final step is to assign users to the group so that during runtime they can access it. To do this stay in transaction PFCG where we left off from the step before and choose the User tab. Add the user by entering their User ID in the User ID field. Save your entries.

For Group Assignment (Step 5b from slide 2)

- Once users are assigned to groups the groups will be automatically pushed to their launchpad. Unlike catalogs users do not need to add groups from their tile catalog. The Group name will be the same name as you enter for the Group title in the launchpad designer. Personalization in the launchpad can still be achieved by rearranging the tiles, rearranging the group list or renaming a group.



Thank You!

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