

How to Modify the Layout of User Interface for Navigating in KM Repositories



Applies to:

SAP NetWeaver 2004s (EP7). Enter SAP technology or product release (release number, SP, etc.) to which this article or code sample applies. For more information, visit the [Content Management homepage](#)

Summary

Knowledge Management provides a flexible user interface for navigating in repositories. You can influence the layout of the user interface and the commands to be displayed with the use of Layout Sets, Collection Renderer, Resource Renderer and Commands for the details menu. This document shall explain the use of each of these with an example scenario.

Author: Shweta Talwar

Company: Tata Consultancy Services

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Author Bio

Shweta Talwar is working as a SAP Consultant with Tata Consultancy Services. Skill set includes SAP Enterprise Portal and ABAP.

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Overview of Layout Set and its Components

You can use parameters to influence the layout of the user interface and the commands to be displayed, while navigating in repositories. Groups of parameter settings form layout sets and these can be assigned to the KM Navigation iview.

A Layout Set consists of the following:

Collection Renderer

Resource Renderer

Commands for Details Menu

Collection Renderer: This is responsible for the Context Menu of the Folder for which the KM Navigation iview is created and to this iview is attached the layout set. (In our scenario this folder is 'Reports_kmFolder')

Resource Renderer: This is responsible for the Context Menu of the Resources under the Folder for which the KM Navigation iview is created. (In our scenario these resources are 'Report 1', 'Report 2')

Commands for the Details Menu: This refers to the commands shown in the popup window that appears on clicking the link 'Details' from the context menu.

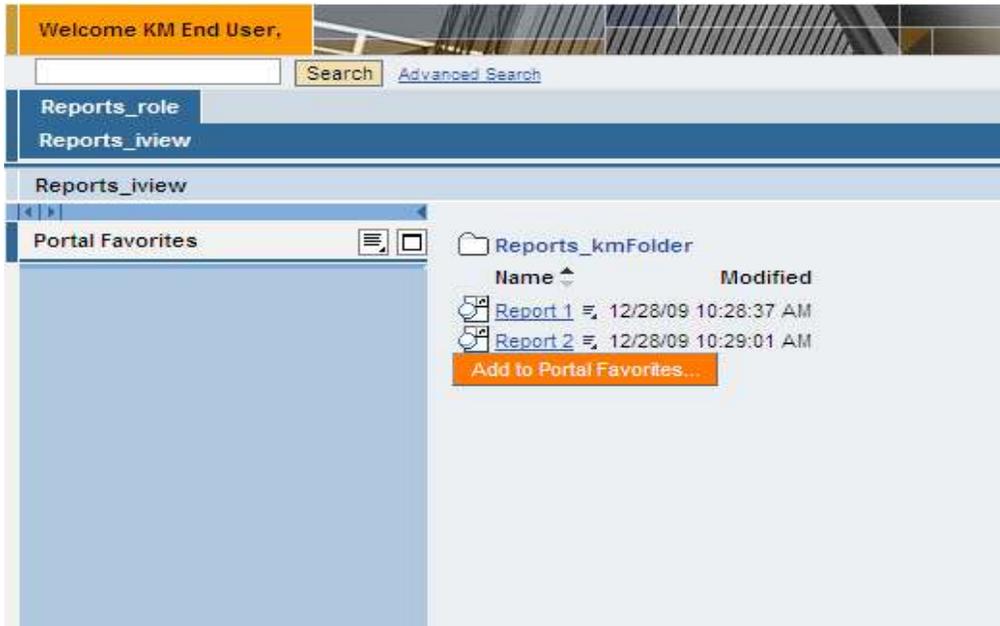
This document shall explain the use of each of these with an example scenario.

Example Scenario

To have only 'Add To Favorites' option in the context menu of KM Content for the End-Users and All Options for the KM Administrator.

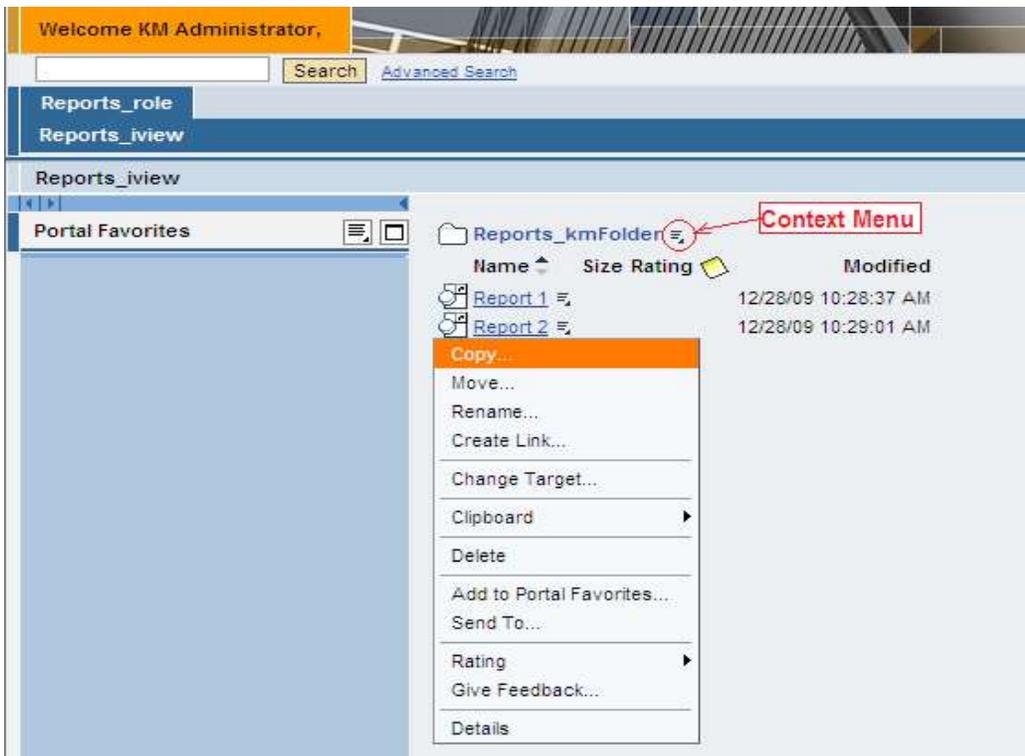
View for the End User:

(Note: The Context Menu for the Parent folder "Reports_kmFolder" has been removed)



View for the KM Administrator:

(Note: The Context Menu for the Parent folder "Reports_kmFolder" exists)



Pre-requisites to proceed with the Example:

Create KM Navigation iview (Reports_iview) for KM folder: Reports_kmFolder

Create a Role (Reports_role) and add the iview created in step 1 to this role.

Create two users: km_enduser and km_admin, and assign role Reports_role to both.

Create Layout Set

To change the User Interface for navigating through this KM Folder, we will create a Layout Set and assign this to the Layout Set property of the iview created in Step 1.

Go to: System Administration -> System Configuration -> Knowledge Management ->

Content Management -> User Interface -> Settings -> Layout Set

Search for 'ConsumerExplorer', select the check box corresponding to 'ConsumerExplorer' and click on button 'Advanced Copy'.

Advanced Copy of Layout Settings

Advanced copying allows you to copy all of the configuration objects associated with the selected layout set. This includes collection and resource renderers as well as the command groups referenced. It is possible to automatically rename objects. Using 'Preview Results' allow you to determine exactly which objects are copied and how they are named.

Scope of Duplication

Collection Renderer Settings
 Resource Renderer Settings
 UI Command Groups

Group Levels to Copy:

Naming Conventions

Replace: With
Add: Position

Naming conflicts

Keep Existing Name
 Replace Existing Name
 Append Counter

We need to change the context menu for the parent folder as well as the resources under it, thus we need to create a custom copy of both the Collection Renderer and the Resource Renderer.

Here, we have selected all the three check boxes to demonstrate the use of all three: The Collection Renderer, Resource Renderer and the UI Command Groups.

Click on button 'Execute'.

Thus, we have created a new Layout Set 'ConsumerExplorer_ui', with Collection Renderer "ConsumerCollectionRenderer_ui", Resource Renderer 'ConsumerResourceRenderer_ui' and UI Command Group 'DetailsGroup_ui', as shown below:

View "ConsumerExplorer_ui"

Show write-protect notice:

Description:

Enabled for presentation settings:

Screen Reader enabled:

Fallback Layout Set for Screen Reader:

Layout Controller: [SimpleLayoutController](#)

Collection Renderer:

Name
ConsumerCollectionRenderer_ui

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Resource Renderer:

Name
ConsumerResourceRenderer_ui

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Commands for the details menu: [DetailsGroup_ui](#)

Assign this Layout Set to the Layout Set property of the KM Navigation iview 'Reports_iview' created in Step1.

Overview **Reports_iview**

Display:

▶ Launch in New Window

▶ Layout Set

▶ Layout Set for Root Collection

▶ Layout Set Mode

Edit the Commands for Details Menu

Click on 'DetailsGroup_ui' link that appears in the layout set 'ConsumerExplorer_ui' or

Go To: System Administration -> System Configuration -> Knowledge Management -> Content Management -> User Interface -> Commands -> UI Command Groups and search for DetailsGroup_ui.

View "DetailsGroup_ui"	
Description:	Contains commands for the details dialog box
Command List:	DetailsViewGroup_ui,DetailsActionsGroup_ui,DetailsCollaborationGroup_ui,De
Parameters:	
Bundle File:	com.sapportals.wcm.rendering.uicommand.UICConsts
Key for Tooltip:	xtol_Details
Key for Label:	xbut_Details
<input type="button" value="Edit"/> <input type="button" value="Close"/> Show Advanced Options	

The Command List consists of 4 Command Groups:

DetailsViewGroup_ui, DetailsActionsGroup_ui, DetailsCollaborationGroup_ui, DetailsSettingsGroup_ui.

Now, login with the user km_enduser.

Clicking on the link 'Details' of the folder the following popup appears:



The four Command groups in the Command List of 'DetailsGroup_ui' correspond to the four tabs (View, Actions, Collaboration, and Settings) in the view above.

To change any of the tabs and their corresponding context menus we need to drill down to the Command List of the corresponding Command Group and to remove the whole tab remove the corresponding group from the Command List of 'DetailsGroup_ui'.

Please follow the Examples given below.

Example 1: Remove the “View” tab from the Details popup menu.

Delete the entry ‘DetailsViewGroup_ui’ from Command List of ‘DetailsGroup_ui’, as shown below:

View "DetailsGroup_ui"

Description:

Command List:

Parameters:

Bundle File:

Key for Tooltip:

Key for Label:

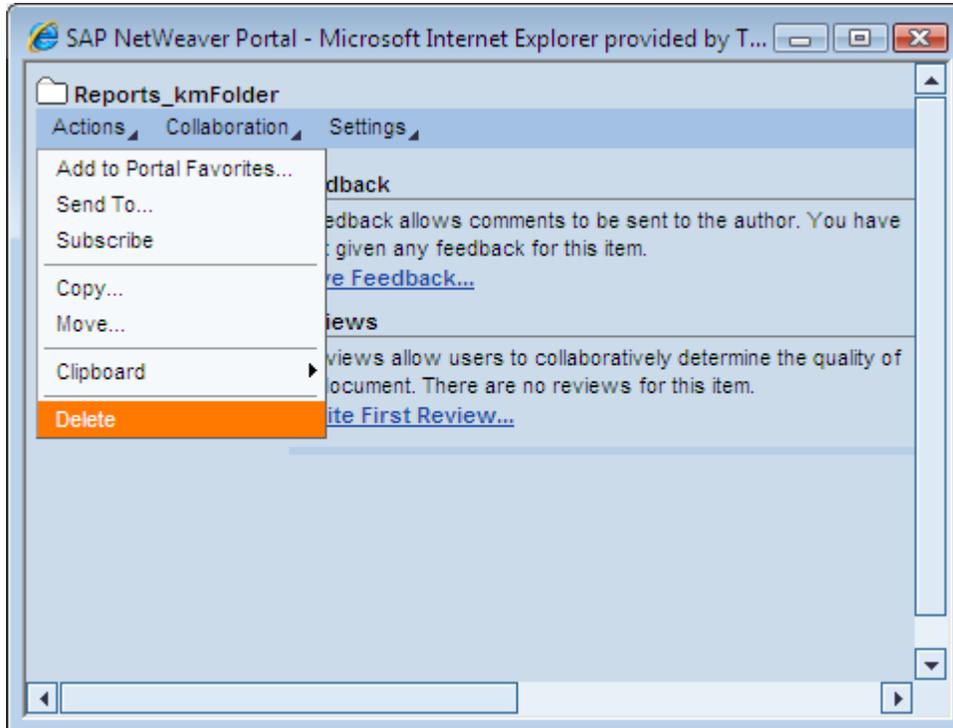
[Show Advanced Options](#)

Now, login again with ‘km_enduser’ and click on the link ‘Details’ of the folder. The following popup appears:

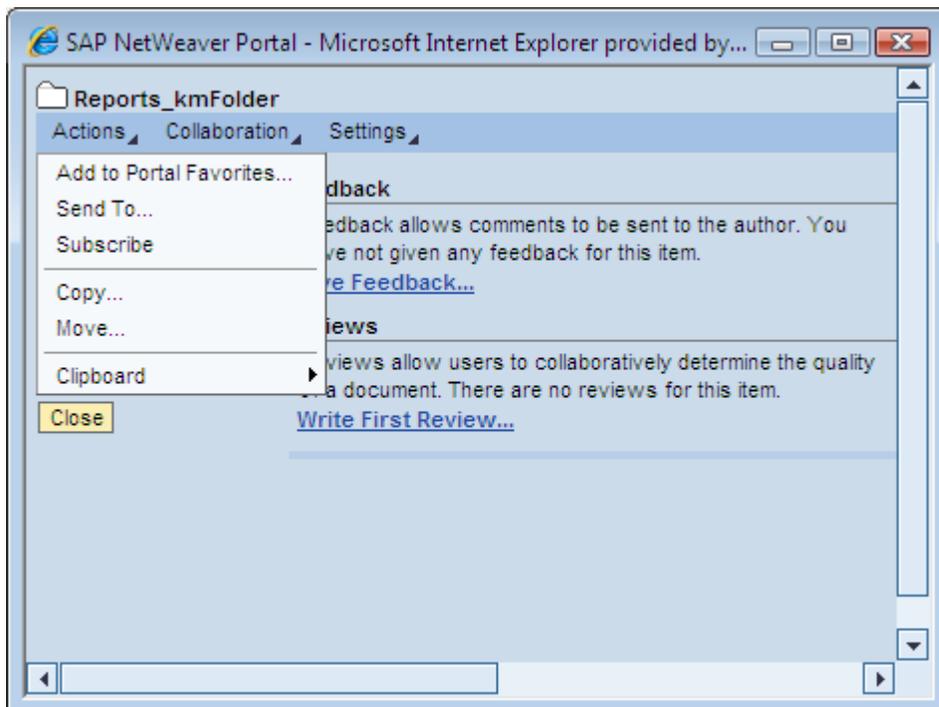


The “View” tab has been removed.

Example 2: Remove the "Delete" option from the tab "Actions"



Delete the entry 'SingleDeletestandaloneGroup_ui(expanded/mandatory)' from the command list of the Command Group 'DetailsActionsGroup_ui'.



Edit the Resource Renderer parameters

Go To System Administration -> System Configuration -> Knowledge Management -> Content Management -> User Interface -> Settings -> Resource Renderer Settings -> Resource Renderer Settings and search for ConsumerResourceRenderer_ui.

This consists of the Command Group 'DefaultResourceCommandGroup_ui' as shown below:

View "ConsumerResourceRenderer_ui"

Description:

Flavor:

Resource Renderer: [ResourceRenderer](#)

Icon Setting:

Tooltip Setting:

Visible Properties:

Command Display:

Resource Command Group: [DefaultResourceCommandGroup_ui](#)

Folder Command Group: [DefaultResourceCommandGroup_ui](#)

Link Command Group: [DefaultResourceCommandGroup_ui](#)

[Show Advanced Options](#)

Open the Command Group 'DefaultResourceCommandGroup_ui':

View "DefaultResourceCommandGroup_ui"

Description:

Command List:

Parameters:

Bundle File:

Key for Tooltip:

Key for Label:

[Show Advanced Options](#)

The command list of this group decides the context menu options for the resources: 'Report 1', 'Report 2'.

For Example: To remove all options from context menu (of the resources: 'Report 1', 'Report 2') except for 'Add to Portal Favorites...' and 'Send To...'

Delete all entries from the Command List of " " except for 'ResourceUserRelatedActionsGroup_ui(expanded)', click Apply and then OK.

Now, login with km_enduser and view the context menu of Report 1/ Report 2.



Now, open the command group 'ResourceUserRelatedActionsGroup_ui':



To further remove the option of 'send to' from the context menu, delete the entry 'send_to' from the command list shown above.

Edit the Collection Renderer parameters

Go To System Administration -> System Configuration -> Knowledge Management -> Content Management -> User Interface -> Settings -> Collection Renderer Settings -> Collection List Renderer Settings and search for ConsumerCollectionRenderer_ui.

This consists of the Collection Command Group: DefaultCollectionCommandGroup_ui, as shown below.

View "ConsumerCollectionRenderer_ui"

Description:	The consumer collection renderer
Flavor:	Not set
Components:	
Breadcrumb Style:	horizontal
Width Adjustment Mode:	
Mass Actions Style:	off
Mass Command Group:	Not set
Collection Renderer:	CollectionListRenderer
Breadcrumb Visibility Style:	
Collection Command Group:	DefaultCollectionCommandGroup_ui
Command Style for Root:	hover
Show Folder Name:	<input type="radio"/> Yes <input checked="" type="radio"/> No <input type="radio"/> Not set
Displayed Properties:	rnd:icon,rnd:displayname(contentLink)+rnd:action,contentlength,col:rating,rnd:
Column Header Coloring:	
Number of Rows:	15
Row Spacing Mode:	
Number of Columns:	1
Column Spacing:	px
Folders Selection:	all
Links Selection:	all
Property for Sorting:	
Item Selection Mode:	off

Edit Close [Show Advanced Options](#)

The command list of the group DefaultCollectionCommandGroup_ui is responsible for the context menu options of the folder 'Reports_kmFolder'.

To completely remove the context menu from this folder, either delete all entries from the command list of this group or set the property 'Command Style for Root' of the Collection Renderer to 'Off', as shown below:

View "ConsumerCollectionRenderer_ui"

Description:

Flavor:

Components:

Breadcrumb Style:

Width Adjustment Mode:

Mass Actions Style:

Mass Command Group:

Collection Renderer: [CollectionListRenderer](#)

Breadcrumb Visibility Style:

Collection Command Group: [DefaultCollectionCommandGroup_ui](#)

Command Style for Root:

Show Folder Name: Yes No Not set

Displayed Properties:
(This field is circled in red in the original image)

Column Header Coloring:

Number of Rows:

Row Spacing Mode:

Number of Columns:

Column Spacing: px

Folders Selection:

Links Selection:

Property for Sorting:

Item Selection Mode:

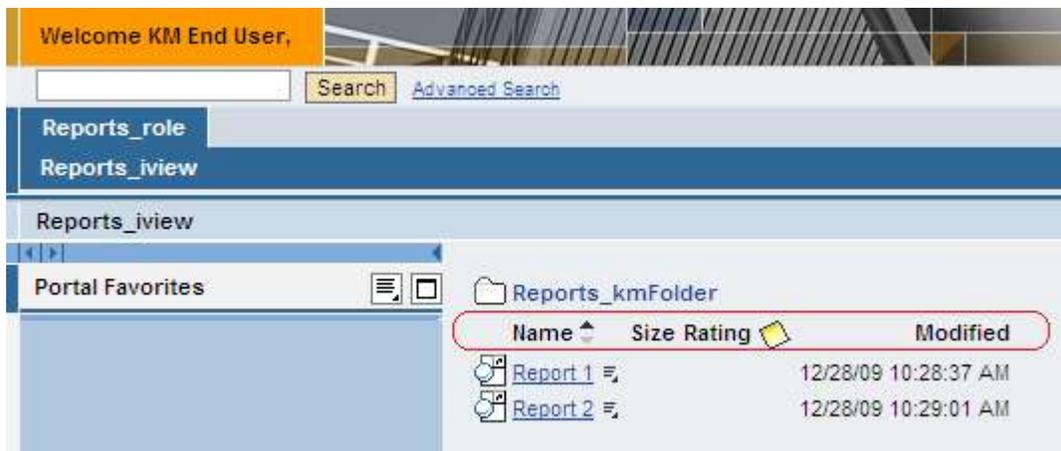
[Show Advanced Options](#)

The property 'Displayed Properties' (shown above) of the Collection Renderer determines the columns displayed for every resource in the folder.

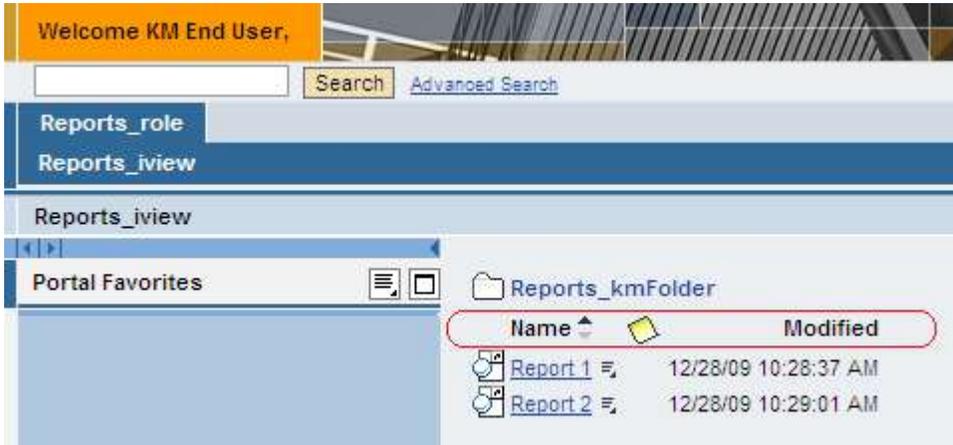
Example:

Default value for Displayed Properties is:

`rnd:icon,rnd:displayname(contentLink)+rnd:action,contentlength,col:rating,rnd:collaborationstatus,modified`



On removing the entries 'contentlength,col:rating' gives the following result:

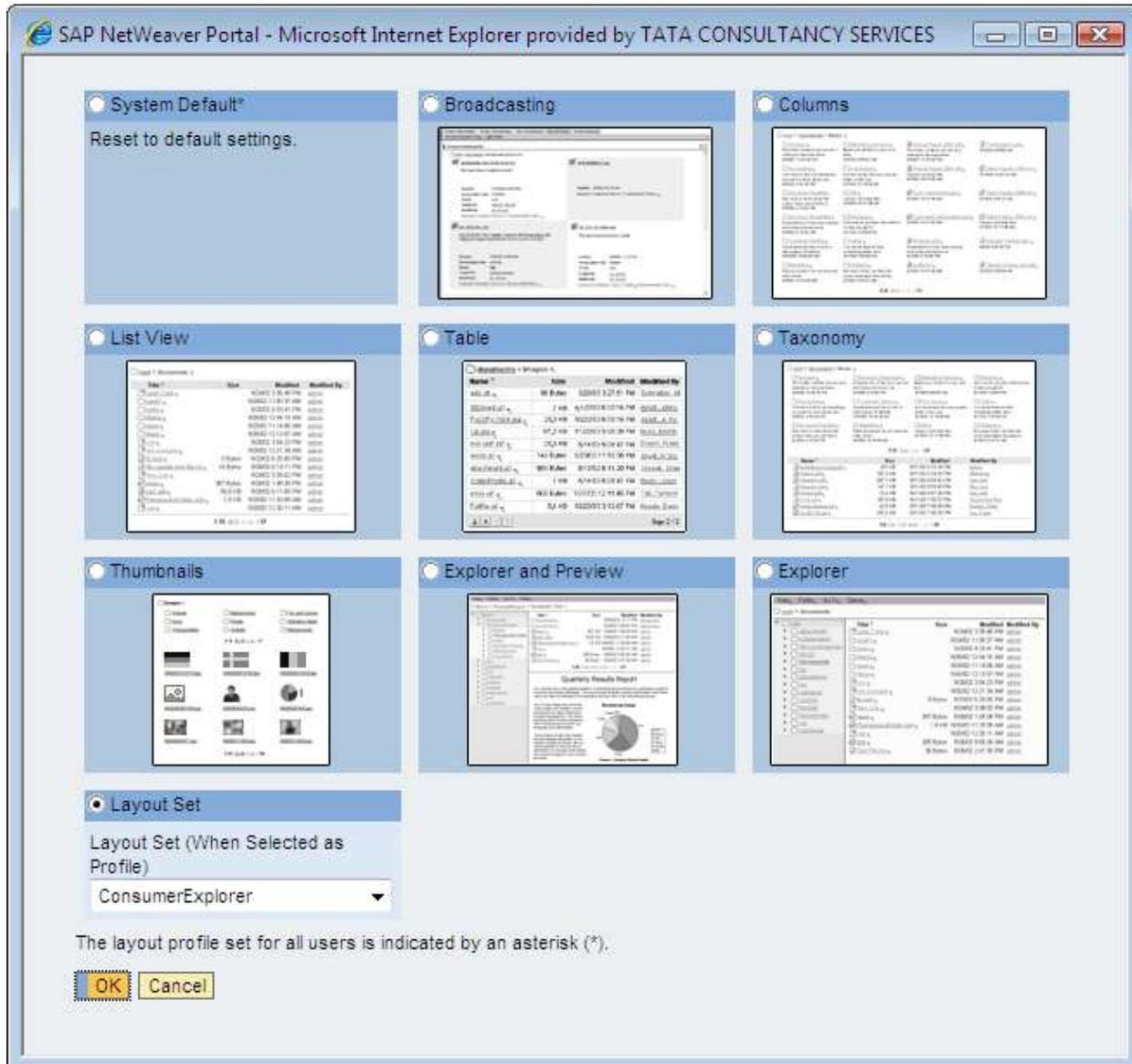


How to Use the same iview for both KM End User and the KM Administrator but with different Context Menu Options

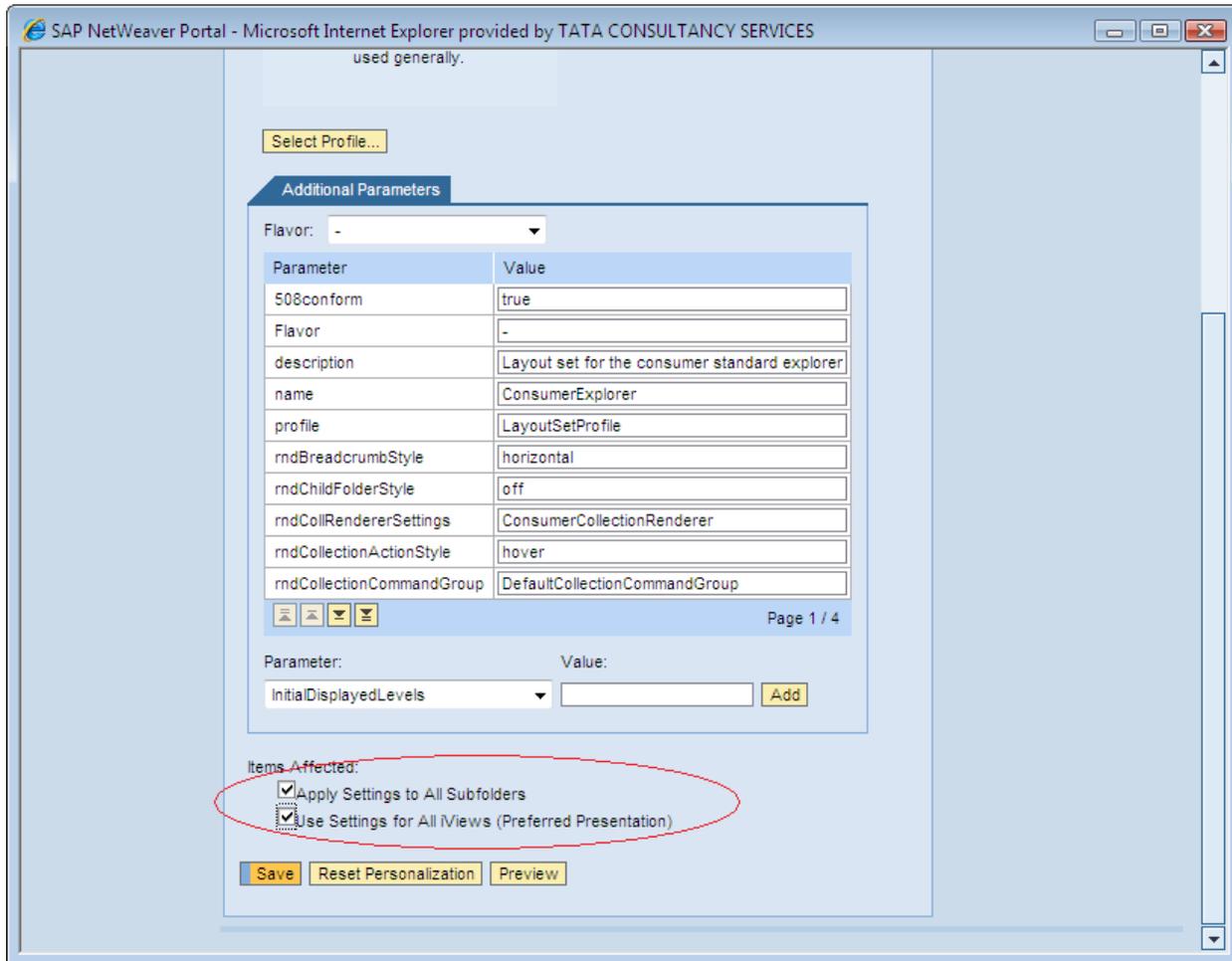
Assign the role Content Administrator to the user km_admin. This is needed so that km_admin can change the presentation settings for the KM Folder 'Reports_kmFolder'.

Now, login with user km_admin. Navigate to the Km Folder reports_kmFolder through Content Administration -> Km Content. Click on Details link of the folder reports_kmFolder.

Go To Settings -> Presentation. Click on the tab 'Settings for You'-> Click on button 'Select Profile'. The following popup appears:

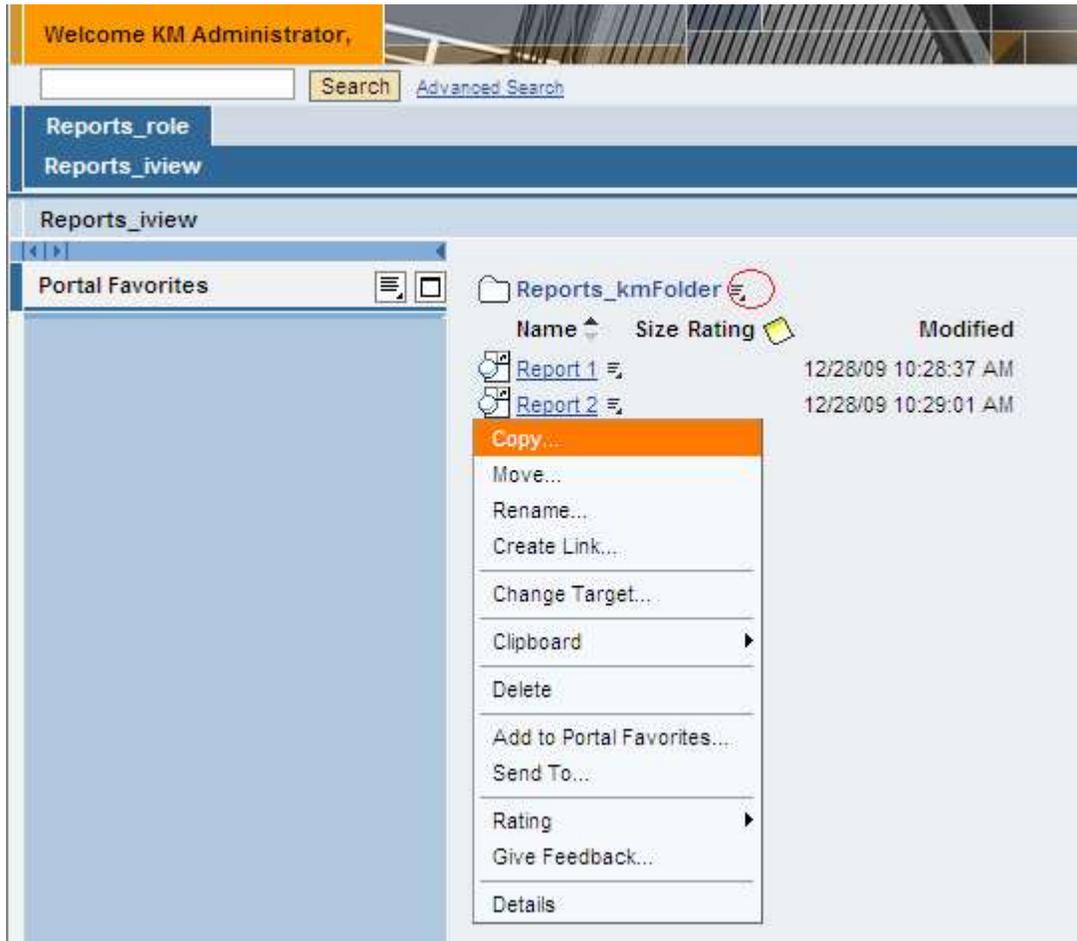


Select the radio button corresponding to 'layout Set', and choose 'ConsumerExplorer' from the dropdown. Click 'OK'.



Select both the check boxes corresponding to Items Affected as shown above, and click 'Save'

Now, remove the 'Super Administrator' role from the user km_admin and login with this user. The following view is shown:



Related Content

http://help.sap.com/saphelp_nw2004s/helpdata/en/98/dd48a9b4a197489a54187c99372bce/frameset.htm

<https://forums.sdn.sap.com/thread.jspa?threadID=95454>

<https://forums.sdn.sap.com/thread.jspa?threadID=697850>

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