

Flexible KM UserInterface

Regional Implementation Group
SAP AG

THE BEST-RUN BUSINESSES RUN SAP



Next



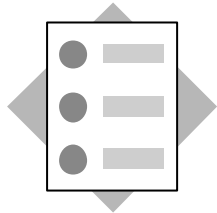
Back




Exit

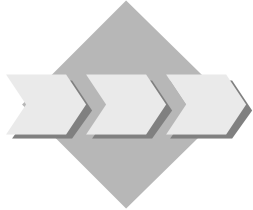


Bookmarks



At the conclusion of this unit, you will be able to:

-  **Describe the Flexible KM UserInterface Architecture**
-  **Explain the components of the Flexible UI**
-  **Know about how to configure basic settings**



The customer has specific requirements regarding the browsing through the repositories using the standard KM iViews.

These requirements include changes of the overall layout as well as the commands on a single resource.



**Content
Management**

► Flexible KM Userinterface

- Overview
- Concepts
- Configuration Scenarios
- Summary

Flexible UI

- ✍ **Changing layout of navigation structure and details information**
- ✍ **iView based & role based layout**
- ✍ **Resource based layout**
- ✍ **Dynamically change layout for runtime**
- ✍ **Changes take effect immediately**
- ✍ **Different layouts for the same navigation structure**
- ✍ **Old iView are still available**

- **Only UIs for browsing & navigating resources**
- **Parts of the Details iView**
- **Search Result List (for navigation iView)**
- **No flexible UI for controls, e.g. subscription control**

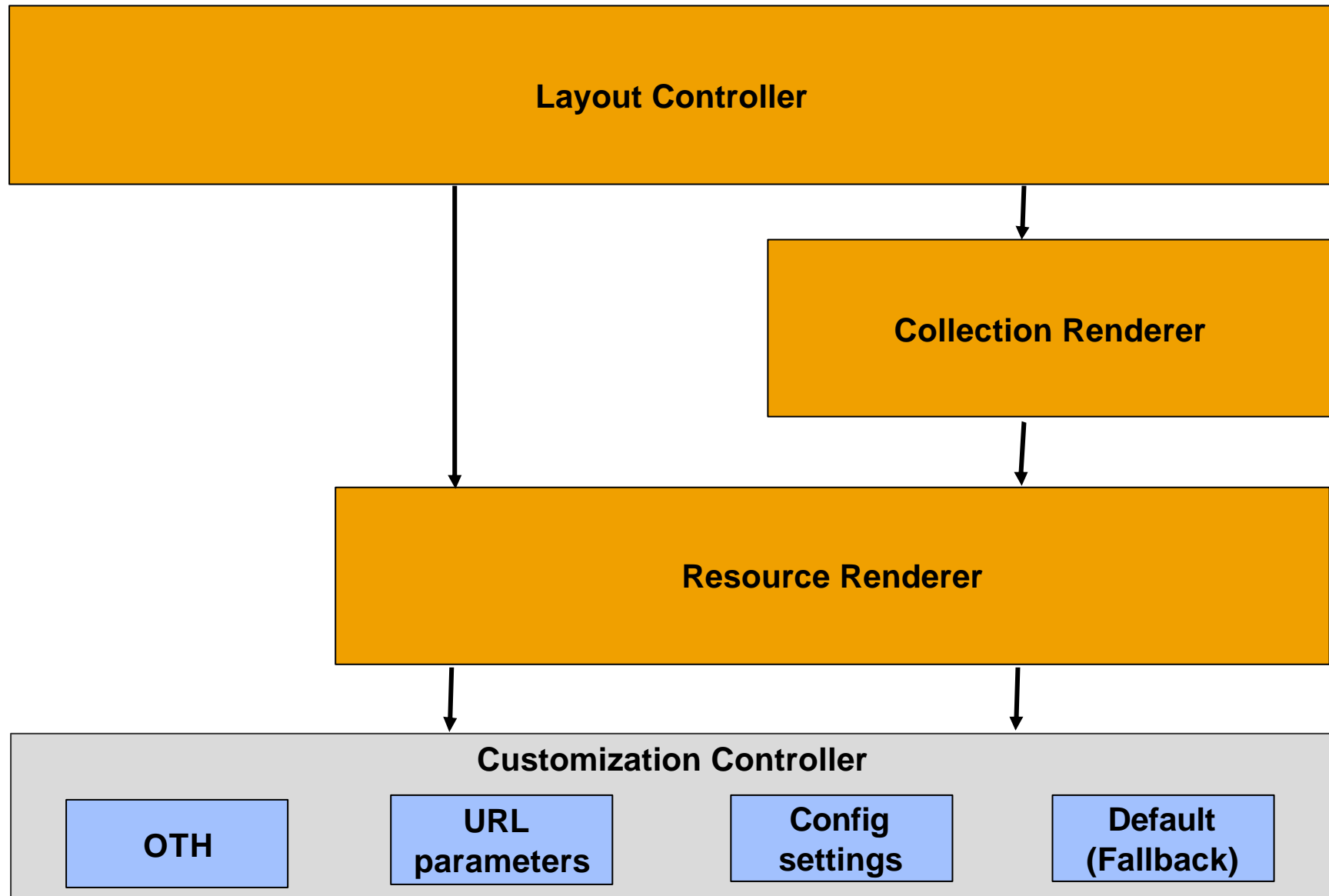


**Content
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► Flexible KM Userinterface

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- **Concepts**
- Configuration Scenarios
- Summary

FlexibleUI - Architecture



Layout Controller

documents

ax

baden-wuerttemberg

bcard1

bcard2

Darin
Darin's test folder used to test the new ...

Demo
This is a Demo Folder

discussions
This is a discussion folder

europa

faq

Google

Images

Links

1-12 13-18 > >> / 18

	Name	Size	Rating	Modified
	HoverMenu.doc Just a simple desc for testing	74 KB	<div><div></div><div></div><div></div><div></div><div></div></div>	10/10/02 3:08:33 PM
	renderer.csv	5,4 KB		10/24/02 1:51:58 PM
	Testdokument	22 Bytes		10/24/02 2:25:38 PM
	Versuch.txt TestResource	4 Bytes	<div><div></div><div></div><div></div><div></div><div></div></div>	8/9/02 7:48:32 PM

Flavor

Next

Back

Exit

Bookmarks

Layout Controller

Collection
Renderer

documents

ax

baden-wuerttemberg

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Darin

Darin's test folder used to test the new ...

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	Versuch.txt	4 Bytes		8/9/02 7:48:32 PM
	TestResource			

Flavor

List

Layout Controller

Collection Renderer

Resource Renderer

Grid

Flavor

List

The screenshot shows a user interface with two main sections: a Grid view and a List view. The Grid view displays a collection of folders, including 'documents', 'ax', 'baden-wuerttemberg', 'bcard1', 'bcard2', 'Darin', 'Demo', 'discussions', 'europe', 'faq', 'Google', 'Images', and 'Links'. The 'Darin' folder is highlighted with a blue box, and an annotation points to it with the text 'Collection Renderer'. The List view displays a collection of files, including 'HoverMenu.doc', 'renderer.csv', 'Testdokument', and 'Versuch.txt'. The 'HoverMenu.doc' file is highlighted with a blue box, and an annotation points to it with the text 'Resource Renderer'. The 'Flavor' annotation points to the overall layout. The 'List' annotation points to the bottom right corner of the List view.

Name	Size	Rating	Modified
HoverMenu.doc Just a simple desc for testing	74 KB	■□□□	10/10/02 3:08:33 PM
renderer.csv	5,4 KB		10/24/02 1:51:58 PM
Testdokument	22 Bytes		10/24/02 2:25:38 PM
Versuch.txt TestResource	4 Bytes	■■■□□	8/9/02 7:48:32 PM

FlexibleUI – Examples 1

Menu

Breadcrumb

View Folder Selection Go To Search

root > documents

Tree

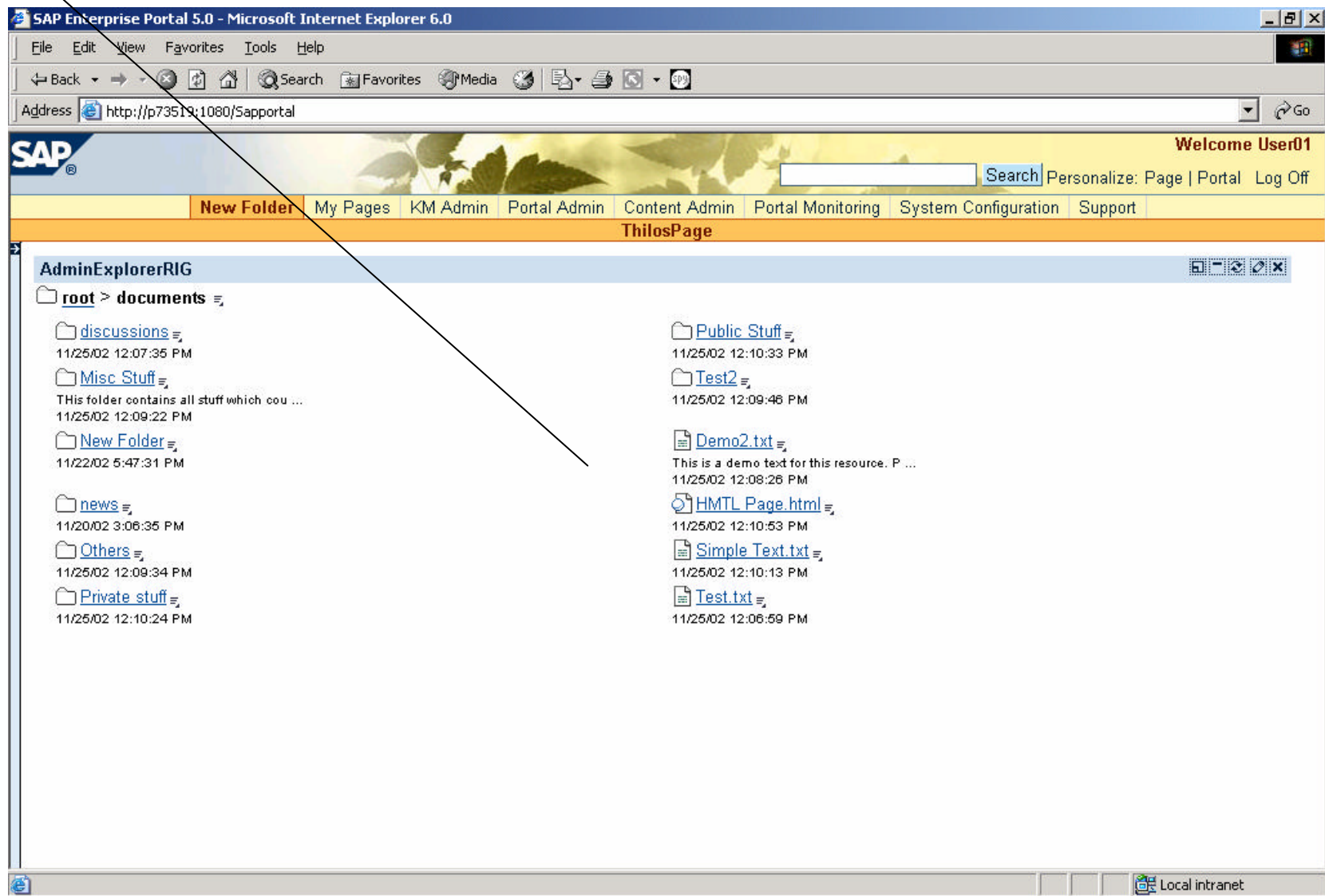
Name	Size	Lock	Modified	Modified By
~system~			11/20/02 3:04:41 PM	anonymous
New Folder			11/22/02 5:47:31 PM	User01
news			11/20/02 3:06:35 PM	admin

List

The screenshot shows the SAP Portals Enterprise Portal 5.0 interface in Microsoft Internet Explorer 6.0. The browser address bar shows a URL starting with 'go_polarwind/prtroot'. The interface includes a menu bar with 'View', 'Folder', 'Selection', 'Go To', and 'Search'. Below the menu bar is a breadcrumb trail 'root > documents'. On the left is a tree view showing a hierarchy of folders: 'root' (expanded) contains 'discussiongroups' and 'documents' (expanded). 'documents' contains 'system~', 'New Folder', 'news', 'etc', 'grouphome', 'rolehome', 'spiegel', 'taxonomies', and 'userhome'. On the right is a list view showing three folders: '~system~', 'New Folder', and 'news'. Each folder entry includes its name, size, lock status, modified date and time, and the user who modified it. The list view is highlighted with an orange border. The tree view is highlighted with a red border. The menu bar is highlighted with a green border. The breadcrumb trail is highlighted with a blue border. The list view is labeled 'List' with a line pointing to it. The tree view is labeled 'Tree' with a line pointing to it. The menu bar is labeled 'Menu' with a line pointing to it. The breadcrumb trail is labeled 'Breadcrumb' with a line pointing to it.

FlexibleUI – Examples 2

Rendering as Columns



Parameters are predefined in the Configuration Framework

Sets of Predefined Parameter and Settings

Collection Renderer Settings

Resource Renderer Settings

Layout Sets

Layout Profiles

FlexibleUI – Configuration

Configuration
Update Queueing
You are here:
[Configuration](#)
↳ [Content Management](#)
↳ [User Interface](#)
↳ [Settings](#)
↳ [Collection Renderer Settings](#)
Classes
[Basic Collection Renderer Settings \(3\)](#)
[Basic Breadcrumb Renderer Settings \(5\)](#)
[Business Card Collection Renderer \(2\)](#)
[CollectionGridRendererSettings \(6\)](#)
[CollectionListRendererSettings \(9\)](#)
[Collection Renderer Settings \(8\)](#)

Settings for collection renderers
Classes
[Basic Collection Renderer Settings](#)
Basic Settings for Collection Renderer
[Basic Breadcrumb Renderer Settings](#)
Basic Settings for Breadcrumb Renderer
[Business Card Collection Renderer](#)
Settings for a business card collection renderer
[CollectionGridRendererSettings](#)
Settings for grid renderer
[CollectionListRendererSettings](#)
[Collection Renderer Settings](#)
Settings for Collection Renderer
[CollectionTreeRendererSettings](#)
Settings for tree renderer
[Image Map Renderer Settings](#)
Settings for an Imagemap renderer
[Search Result Renderer Settings](#)
Settings for an search result renderer

FlexibleUI – Configuration

View "AdminCollectionListRenderer"

Description	Collection list renderer for the administrators explorer
Flavor	List
Sort Property	rnd:displayname
Show Folder Title	<input type="radio"/> True <input checked="" type="radio"/> False <input type="radio"/> Not Set
rndShowHidden	<input type="radio"/> True <input checked="" type="radio"/> False <input type="radio"/> Not Set
Breadcrumb Style	off
Column Header Style	Transparent
Column Spacing Style	Not Set
Resizable Height Style	compact
Resizable Width Style	compact
Root Action Style	off
Row Background Style	standard
Row Spacing Style	Not Set
Sort Order	ascending
how to select items	multiple
rndLinksStyle	all
rndMassActionStyle	off

Type = „String“

Type = „boolean“

Type = „enum“

**Attributes are not listed alphabetically, but by attribute type.
Reordering is not possible.**

Design has to be Bottom Up

- ✍ First make the resource renderers, then collection renderers, then layout sets

Config classes don't always match exactly the renderers capabilities

- ✍ Usually the renderers don't understand all parameters or all possible values of a parameter
- ✍ Sometimes, for the sake of rapid development, existing settings with a much larger amount of settings is simply re-used (instead of creating a specific configuration class)

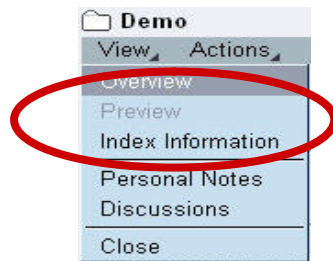
Commands

- ✍ **Class that encapsulates an action for one or more items**
- ✍ **Contains the knowledge on how to present this action within the UI including the whole screen flow needed for this action**

Command Groups

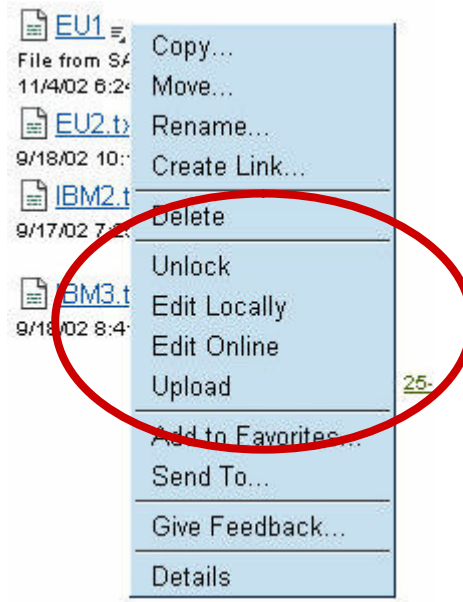
- ✍ **List of commands and command groups for UI purpose (menus)**
- ✍ **Commands & command groups can be tagged with special modifiers**
 - ✍ **mandatory** – the command is shown as disabled when it is not executable for the item
 - ✍ **expanded** – in UI the commands list is displayed between two separators

FlexibleUI - UICommands

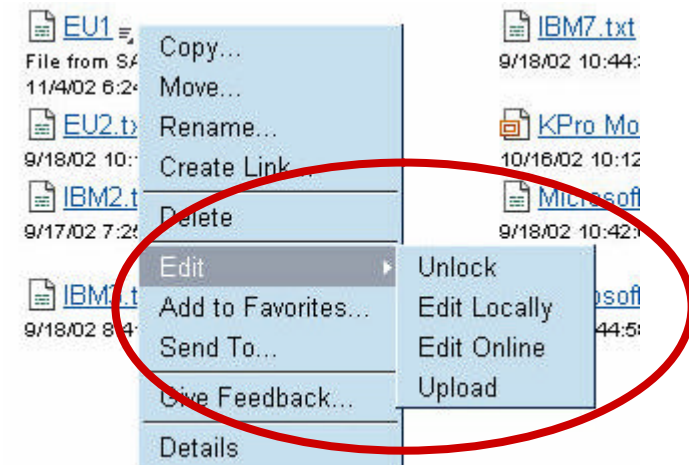


mandatory

(disabled, because not available for this item)



expanded



not expanded

- mandatory** – Command is shown but grey
- expanded** – CommandGroup is shown in the same menu structure
- not expanded** – CommandGroup is shown in a separat submenu

FlexibleUI – iView Settings

Enterprise Information Portal - Microsoft Internet Explorer provided by SAP IT

Java iView

Info | Look | Load | Java

Layout Set Mode

exclusive

Personalization Enabled ☒
Shown in Generic Dialog ☐
Is Final ☐
Use Master ☒

Layout Settings

ConsumerGridList

Personalization Enabled ☒
Shown in Generic Dialog ☐
Is Final ☐
Use Master ☐

Master: ID

com.sapportals.km.navigation

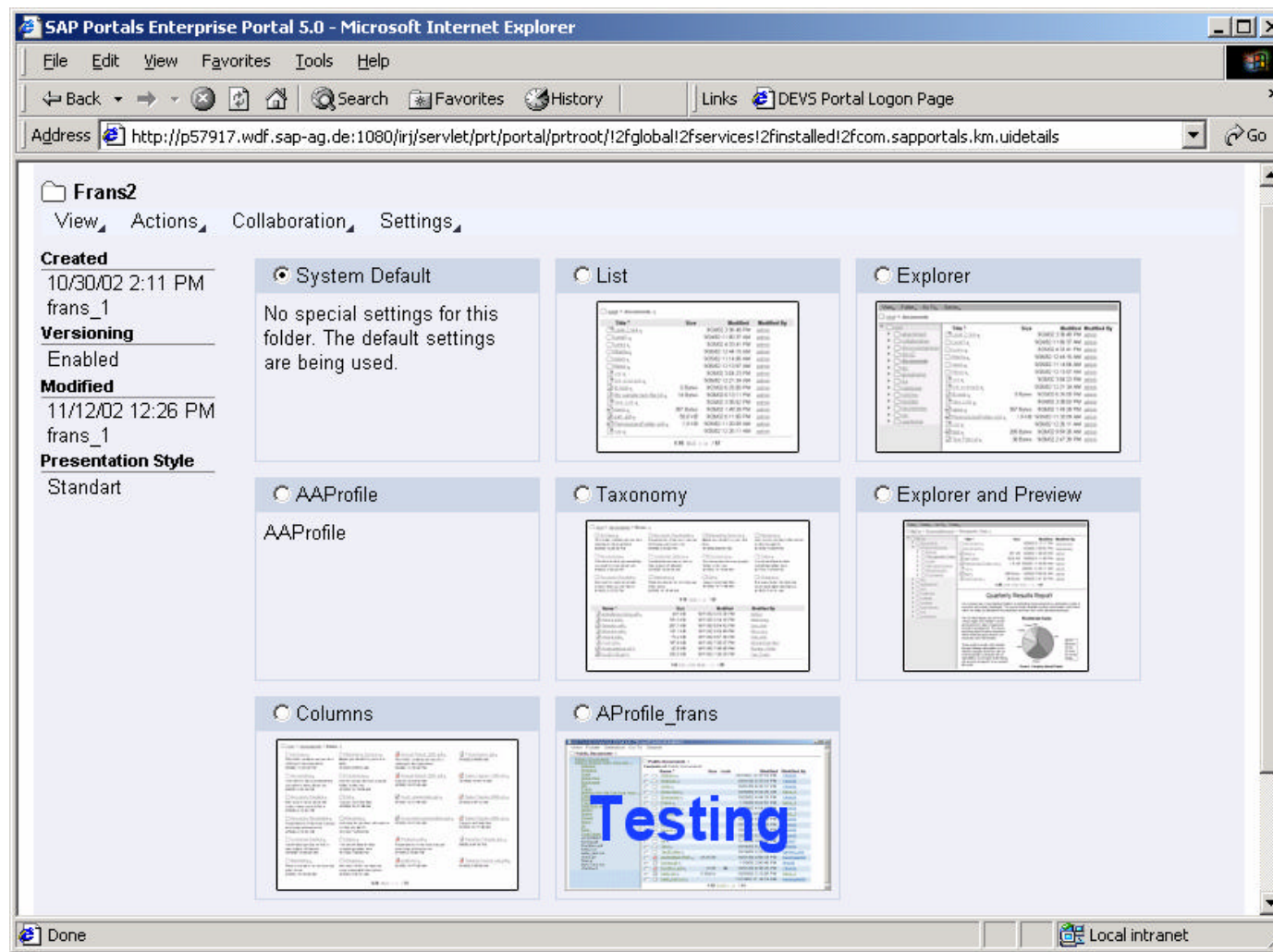
Customize View

Delete Export Undo Save

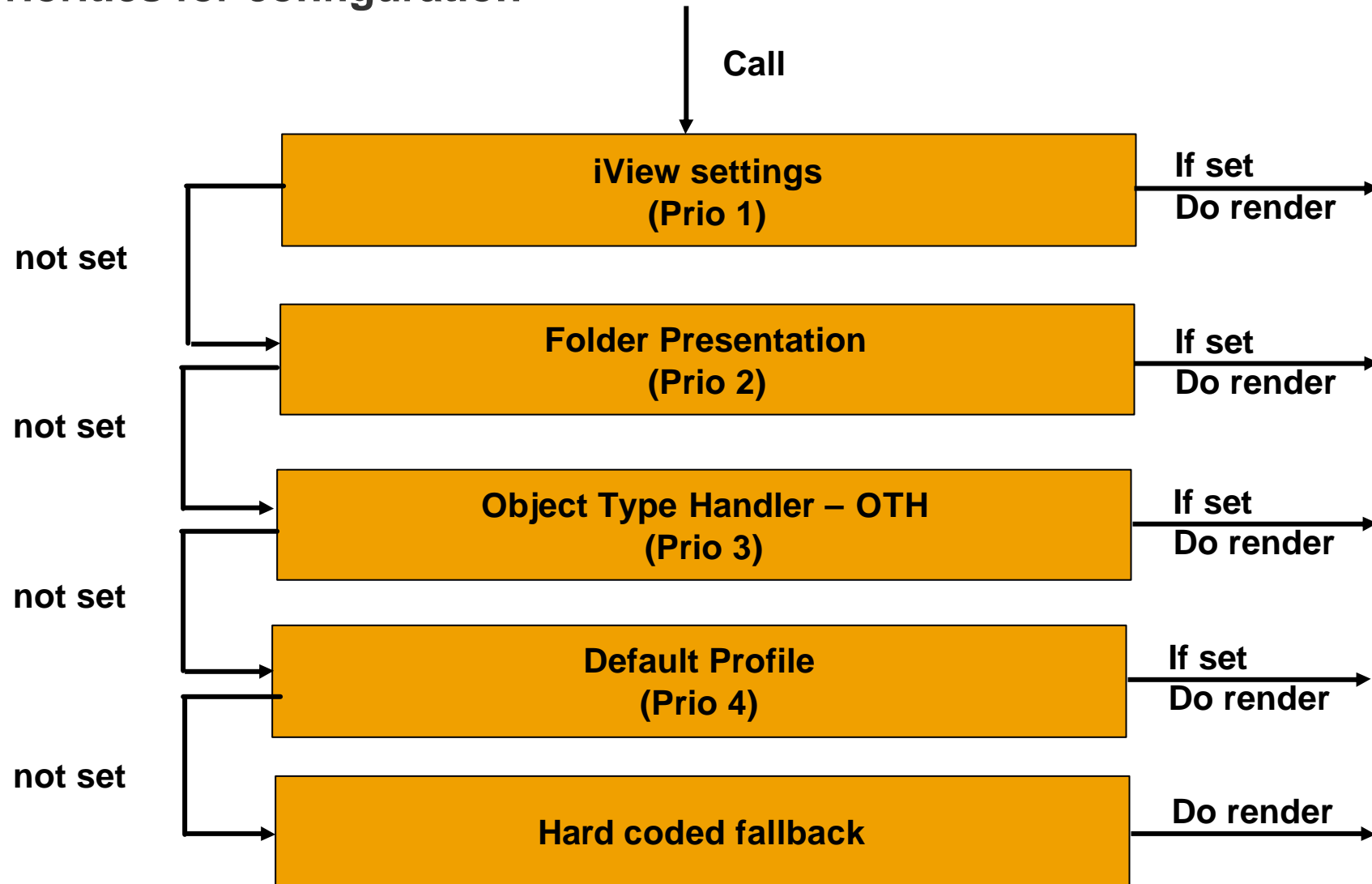
Folder specific layouts – Layout Profiles

- ✍ allows changing of layout of a single folder or with inheritance of all sub-folders
- ✍ Use predefined profiles or define a new one
- ✍ Profiles are set within the Details dialog of each folder

FlexibleUI – Layout Profiles – Folder Presentation



Priorities for configuration





**Content
Management**

► Flexible KM Userinterface

- Overview
- Concepts
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- Summary

Configuration of Details

Details Configuration

The Details-dialog has different sections which are configurable

Menubar

Properties

Standard overview

SAP Portals Enterprise Portal 5.0 - Microsoft Internet Explorer provided by SAP IT

File Edit View Favorites Tools Help

Back Forward Stop Home Search Favorites History Print Links Customize Links Links anpassen

Address: et/prt/portal/prtroot/!2fglobal!2fservices!2finstalled!2fcom.sapportals.km.uidetails

Anja
View Actions Collaboration Settings

Created
14/11/02 14:39
huberan

Modified
21/11/02 19:22
huberan

Ordering Style
Manual

Description

Personal Notes
personal note...
Edit...

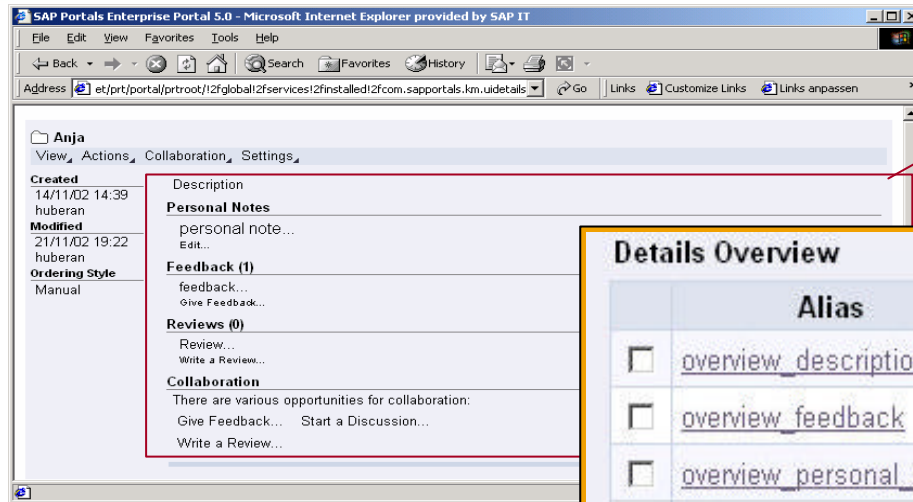
Feedback (1)
feedback...
Give Feedback...
huberan

Reviews (0)
Review...
Write a Review...
huberan

Collaboration
There are various opportunities for collaboration:
Give Feedback... Start a Discussion...
Write a Review...

Local intranet

Configuration of Standard Overview 1



Standard overview

Details Overview

	Alias	Description	Active	showHeader	Priority	
<input type="checkbox"/>	overview_description	Description	✓		0	com.sa
<input type="checkbox"/>	overview_feedback	Feedbacks List Overview	✓	✓	3	com.sa
<input type="checkbox"/>	overview_personal_notes	Personal Notes Overview	✓	✓	2	com.sa
<input type="checkbox"/>	overview_review	Reviews List Overview	✓	✓	6	com.sa

Edit "overview_description"

Object will be locked until you click Ok or Cancel

Description:

Active: ☒

showHeader: ☒ True ☐ False ☐ Not Set

Priority:

Overview class*:

- Change the standarview via
- > KM Admin
 - > Configuration
 - > Content Management
 - > User Interface
 - > Settings
 - > Details Overview

In this example the show Header is set to true and the priority is changed to 5

Configuration of Standard Overview 2

The screenshot shows the SAP Standard Overview configuration for a user named 'Anja'. The interface includes a header bar with 'View', 'Actions', 'Collaboration', and 'Settings' tabs. The main content area is divided into several sections:

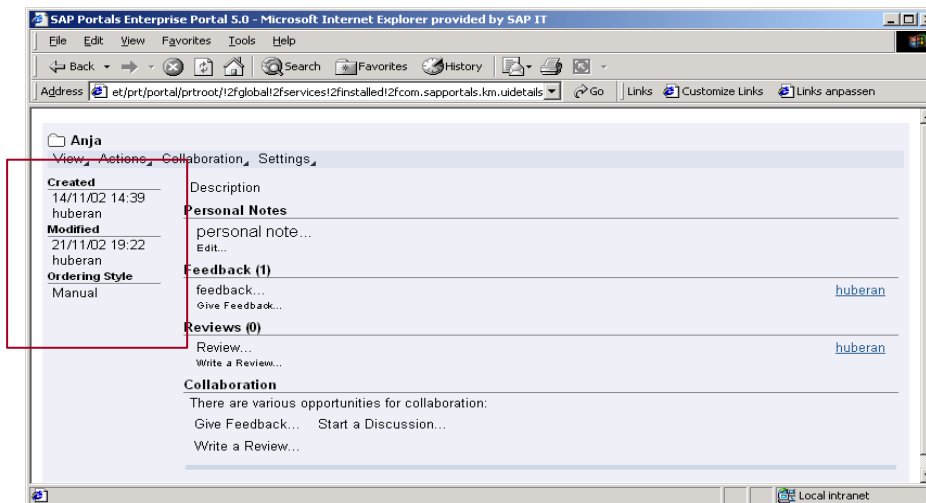
- Created:** 14/11/02 14:39, huberan
- Modified:** 21/11/02 19:22, huberan
- Ordering Style:** Manual
- Personal Notes:** personal note..., Edit...
- Feedback (1):** feedback..., Give Feedback..., [huberan](#)
- Description:** Description
- Reviews (0):** Review..., Write a Review..., [huberan](#)
- Collaboration:** There are various opportunities for collaboration:
Give Feedback... Start a Discussion...
Write a Review...

-> The description has moved to the 3thrd row and the header is visible

Configuration of Properties

The details properties are customizable:

- Properties are active (displayed)
- The sequence of the properties
- The description



Configuration of Details Menu 1

The details menu is a command group (which normally consists of other command groups)

The assignment of the details menu is done in the Layout Set

View "AdminExplorer_anja"

description: Layout set for the administrators explorer

Collection Renderer

name
AdminBreadcrumb
AdminCollectionListRenderer_anja
AdminCollectionTreeRenderer
AdminMenu

Page 1/1

Resource Renderer

name
AdminResourceRender_anja

Page 1/1

Commands for the details menu: DetailsGroup_anja

Layout Controller: AdminNavigationLayoutController

[Edit](#) [Close](#)

Configuration of Details Menu 2

Change the properties in the details menu command group:

- > **KM Admin**
- > **Configuration**
- > **Content Management**
- > **User Interface**
- > **Settings**
- > **Commands**
- > **UI Command groups**

View "DetailsGroup_anja"

Bundle File Name	com.sapportals.wcm.rendering.uicommand.UICConsts
Bundle Key for Label	xbut_Details
Bundle Key for Tooltip	xtol_Details
Description	Contains the commands for details dialog
Commands List	DetailsViewGroup,DetailsCollaborationGroup,DetailsSettingsGroup
UI Command Class*	com.sapportals.wcm.rendering.uicommand.UIGroupCommand

**Add or delete
command groups**

Configuration of Folder Presentation

A repository is displayed within an iView in a certain layout design.

-  **The content manager who is responsible for a subtree of the repository should have the right to change the design of the folder presentation to his needs**

Scenario for Folder Presentation 2

If the layout design per folder should be definable (e.g. for a Content Manager)

✍ Layout Set Mode should be set to „as default“

-> default layout is taken

-> if a layout is defined in the Layout Settings, this is taken as default

Layout Set Mode: exclusive
means that the layout settings
are stronger than the other
configurations

Enterprise Information Portal - Microsoft Internet Explorer provided by SAP IT

Java iView

Info Look Load Java

Last Changed on
21.11.2002 - 11:18:43

Layout Set Mode
as default

Personalization Enabled ☒
Shown in Generic Dialog ☐
Is Final ☐
Use Master ☐

Layout Settings
AdminExplorer_anja

Personalization Enabled ☒
Shown in Generic Dialog ☐
Is Final ☐
Use Master ☐

Customize View

Delete Export Undo

Scenario for Folder Presentation 3

Prerequisite:

- ✍ The layout service is assigned to the repository manager

Implementation:

- ✍ An administrator creates an iView (based on the master iView `com.sapportals.km.navigation`)
 - ✍ With Layout Set Mode: as default
 - ✍ With the name of the Layout Set in the Layout Settings
 - ✍ With the path of the repository
- ✍ The contentmanager gets for the folder level he/she is responsible for the service permission: Foldersettings
- ✍ The contentmanager has the right to change the folder presentation via:
 - ✍ folder-> details
 - ✍ Settings-> presentation

Scenario for Folder Presentation 4

The screenshot shows the SAP Folder Presentation configuration interface for a folder named 'Anja'. The interface includes a sidebar with metadata and a main area with six selectable profile options.

Folder: Anja
View Actions Collaboration Settings

Created
14/11/02 14:39
huberan

Modified
21/11/02 19:22
huberan

Ordering Style
Manual

Profile Options:

- ☒ **System Default**
No special settings for this folder. The default settings are being used.
- ☐ **Taxonomy**
Thumbnail view with taxonomy overlay.
- ☐ **Columns**
Thumbnail view with columns.
- ☐ **Explorer**
Thumbnail view with explorer overlay.
- ☐ **List**
List view.
- ☐ **Explorer and Preview**
Thumbnail view with explorer and preview overlay.

☐ Apply settings to all folders underneath this folder

Choose one folder profile out of six suggestions
As System Default the Layout Set of the iView is taken

Note!: If you like to have an additional profile you'll have to create a folder profile under Configuration\Content Management\User Interface\Setting\Layout Profile

Scenario for Folder Presentation 5

Columns to Show in the List

Show

	Heading	Properties
<input type="checkbox"/>	--	Icon
<input type="checkbox"/>	Name	Name + Action + Description
<input type="checkbox"/>	Size	Size
<input type="checkbox"/>	Rating	Rating
<input type="checkbox"/>	Modified	Modified

Depending on the selected Profile there are different properties and settings definable



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- ✍ **The Flexible KM UserInterface can be used to change the layout of the Explorer and the Details page. Furthermore the layout of Search Result Lists can be configured.**
- ✍ **You can change the layout of the standard iView for browsing repositories in a wide range by simple configuration**