

How to Build a News Scenario Using KM Features

SDN Community Contribution

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Applies To:

SAP NetWeaver 2004 SPS 11 and higher.

Summary

This guide describes how the news scenario in the IDES demo system was built. It includes automatically assigning the news to different channels using query based taxonomy.

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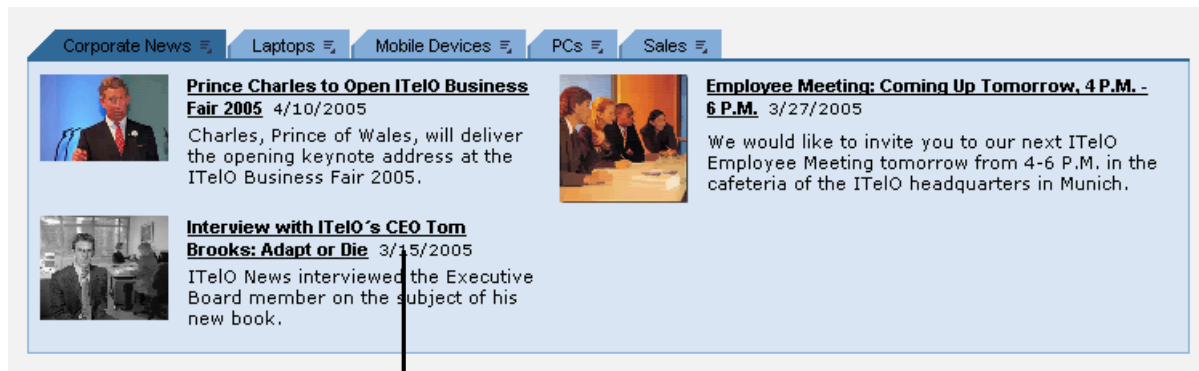
1. Scenario

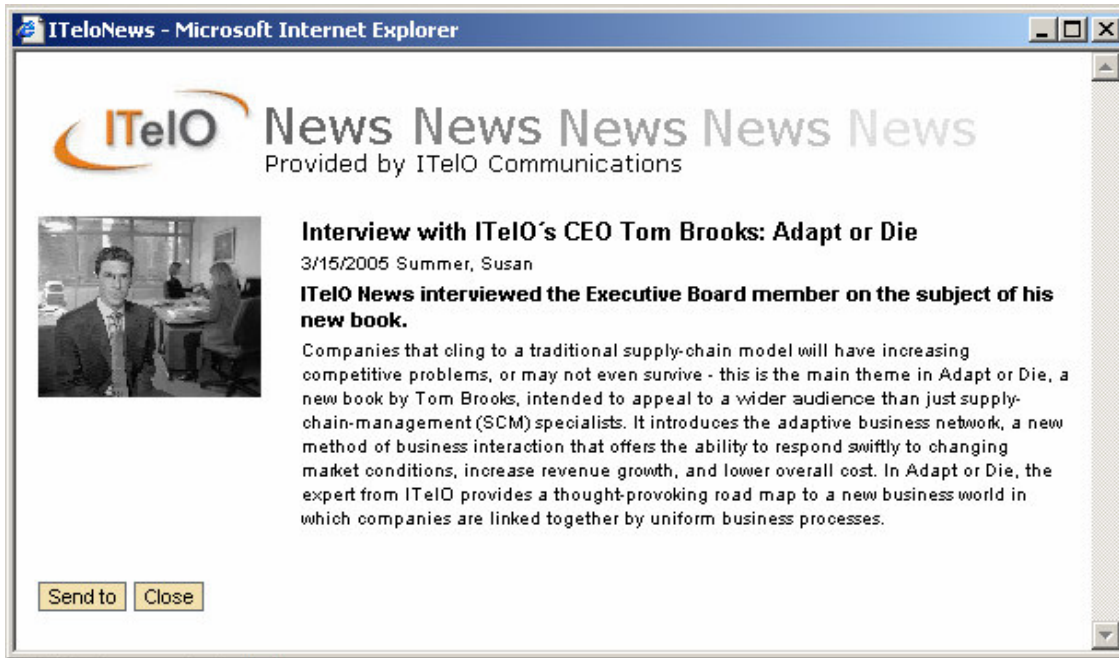
A company wants to provide news in several news channels (e.g. corporate news, different business areas and especially targeted Sales news).

This paper describes how the scenario in the IDES ITeLO demo was built. Of course, this is just an example. Different realization approaches are possible.

2. Result

Reader's View:





Author's View:



3. The Step-by-Step Solution

3.1 General Idea

The news items are created in one or several folders and sorted to the news channels by a query based taxonomy. Therefore, properties are defined (Product Area, Department).

3.2 Create Properties for Product Area and Department

Go to Content Management Configuration > Global Services > Property Metadata > Properties and create two properties:

View "ITelO_Product_Area"	
Description	
Property ID *	ProductArea
Namespace Alias *	default
Type *	String
Group *	ITelO_Standard
Mandatory	<input type="checkbox"/>
Multi-Valued	<input type="checkbox"/>
Read Only	<input type="checkbox"/>
Maintainable	<input checked="" type="checkbox"/>
Indexable	<input checked="" type="checkbox"/>
Default Value	
Allowed Values (csv)	Mobile, PC, Laptops, Cross-Product
Key for Label	ProductArea
Meta Data Extension	ITelO_MetaDataExtension
Folder Validity Patterns (csv)	/ITelO_DB/**
Document Validity Patterns (csv)	/ITelO_DB/**
Resource Types (csv)	

View "ITelO_Department"

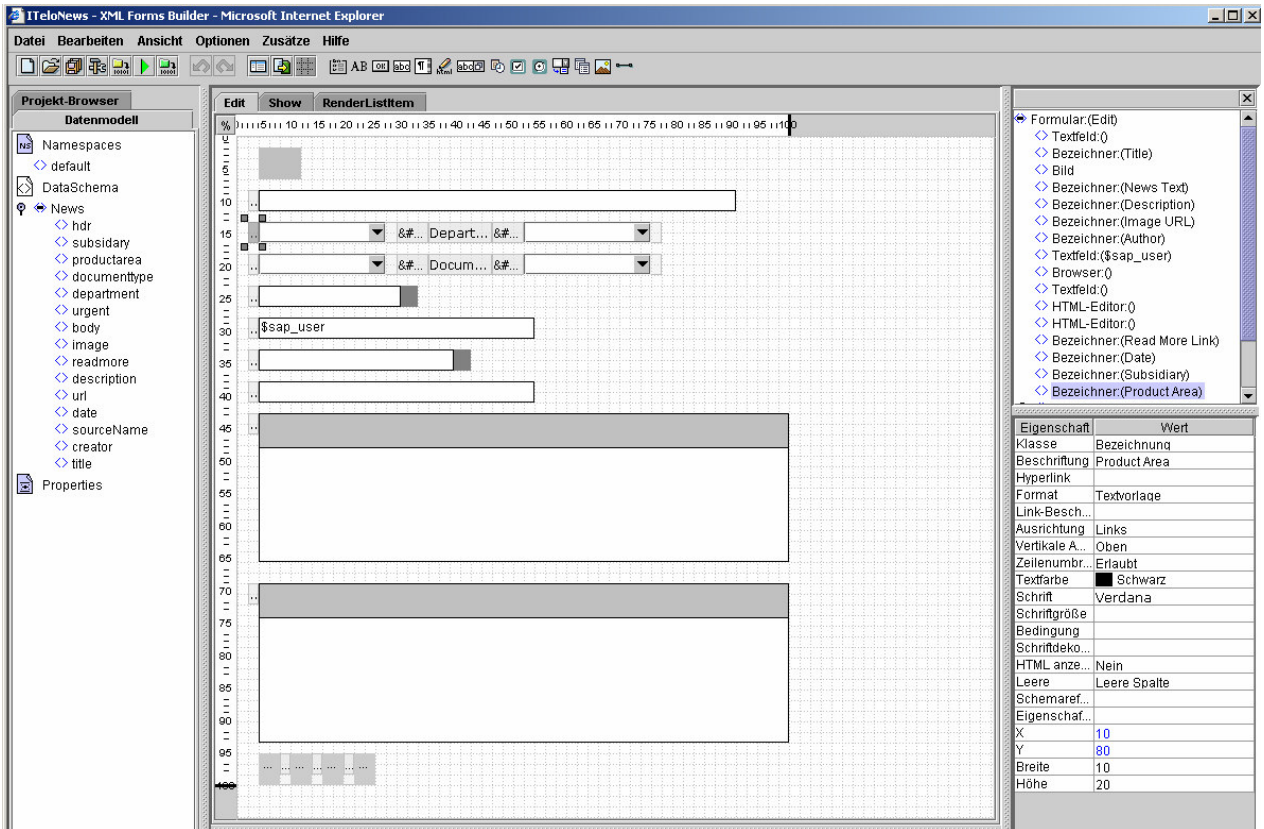
Description	
Property ID *	Department
Namespace Alias *	default
Type *	String
Group *	ITelO_Standard
Mandatory	<input type="checkbox"/>
Multi-Valued	<input type="checkbox"/>
Read Only	<input type="checkbox"/>
Maintainable	<input checked="" type="checkbox"/>
Indexable	<input checked="" type="checkbox"/>
Default Value	
Allowed Values (csv)	Development, Sales, Purchasing, Strategic Sourcing, Product Management, Pr
Key for Label	
Meta Data Extension	Not set
Folder Validity Patterns (csv)	/ITelO_DB/**
Document Validity Patterns (csv)	/ITelO_DB/**
Resource Types (csv)	

The entries for property group and Meta Data Extension are not necessary.

3.3 Create XML Form ITelO News

See How-To Guide Creating XML Forms (available at <http://service.sap.com/nw-howtoguides> at Portal, KM and Collaboration > KM) for details.

1. Edit Form: The ITelO News include two drop down list boxes to set property values relevant for category assignment: Product Area and Department. Assign them to the newly created properties.
2. RenderListItem Form
3. Show Form



3.4 Create Layout Sets

a. For Viewing

To define a Layout Set that displays the different news channels as tabs, do an advanced copy of the standard Layout Set TabExplorer and select only Collection Renderer Settings and Resource Renderer Settings as scope. Add ITelO_News as prefix. As a result, you get the new ITelO_NewsTabExplorer Layout Set.

The Collection and Resource Renderers that define the outer tab frame (ITelO_NewsConsumerTabCollectionRenderer and ITelO_NewsConsumerTabResourceRenderer) can be used with little adjustments (see below). But the content of the tabs has to be configured to display news, so it is easier to duplicate a Collection Renderer and a Resource Renderer for News and adapt them to the Tab Layout. In this example, the NewsDisplayCollectionRenderer was duplicated to create the ITelO_News_Tab_DisplayCollectionRenderer and the NewsResourceDisplayRenderer was duplicated to create NewsResourceDisplayRenderer_Tabs. Of course, the naming can be changed.

Remove the ITelO_NewsConsumerTabContentCollectionRenderer and the ITelO_NewsConsumerTabContentResourceRenderer from the Layout Set and assign the two newly created renderers instead:

Description	Renders the child folder as tabs			
Enabled for presentation settings	<input checked="" type="checkbox"/>			
508 enabled	<input checked="" type="checkbox"/>			
Fallback Layout for 508	Not set			
Layout Controller	TabLayoutController			
Collection Renderer	<table border="1"> <thead> <tr> <th>Name</th> </tr> </thead> <tbody> <tr> <td>ITelO_News_Tab_DisplayCollectionRenderer</td> </tr> <tr> <td>ITelO_NewsConsumerTabCollectionRenderer</td> </tr> </tbody> </table> <p>Page 1 / 1</p>	Name	ITelO_News_Tab_DisplayCollectionRenderer	ITelO_NewsConsumerTabCollectionRenderer
Name				
ITelO_News_Tab_DisplayCollectionRenderer				
ITelO_NewsConsumerTabCollectionRenderer				
Resource Renderer	<table border="1"> <thead> <tr> <th>Name</th> </tr> </thead> <tbody> <tr> <td>ITelO_NewsConsumerTabResourceRenderer</td> </tr> <tr> <td>NewsResourceDisplayRenderer_Tab</td> </tr> </tbody> </table> <p>Page 1 / 1</p>	Name	ITelO_NewsConsumerTabResourceRenderer	NewsResourceDisplayRenderer_Tab
Name				
ITelO_NewsConsumerTabResourceRenderer				
NewsResourceDisplayRenderer_Tab				
Commands for the details menu	Not set			

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

Change the parameters of the ITelO_NewsConsumerTabCollectionRenderer as follows:

View "ITelO_NewsConsumerTabCollectionRenderer"	
Description	
Flavor	Tab
Components	<code>ResourcePath(SpaceBottom=5),this(alignCenter)</code>
Breadcrumb Style	off
Breadcrumb Visibility Style	invisible root
Width Adjustment Mode	standard
Collection Command Group	Not set
Command Style for Root	
Displayed Properties	<code>rnd:displayname+rnd:action</code>
Folders Selection	
Tab Body Flavor	Tab_Content
Style Safe	<input type="radio"/> Yes <input checked="" type="radio"/> No <input type="radio"/> Not set

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Change the parameters of the ITelO_News_Tab_Display_CollectionRenderer as follows:

View "ITel0_News_Tab_DisplayCollectionRenderer"

Description	Renders the news
Flavor	Tab Content
Breadcrumb Style	off
Breadcrumb Visibility Style	invisible root
Width Adjustment Mode	compact
Mass Actions Style	
Mass Command Group	Not set
Collection Renderer	CollectionGridRenderer
Collection Command Group	Not set
Command Style for Root	link
Show Folder Name	<input type="radio"/> Yes <input checked="" type="radio"/> No <input type="radio"/> Not set
Column Header Coloring	
Number of Rows	2
Number of Columns	2
Column Spacing	10 px
Folders Selection	off
Files Selection	
Links Selection	
Property for Sorting	modified
Item Selection Mode	

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Parameters of the Resource Renderers:

View "ITel0_NewsConsumerTabResourceRenderer"

Description	The tab resource renderer
Flavor	Tab
Resource Renderer	ResourceRenderer
Icon Setting	
Tooltip Setting	
Visible Properties	rnd:displayname
Command Display	hover
Resource Command Group	ITel0_NewsDefaultResourceCommandGroup
Folder Command Group	ITel0_subscribe_gp
Link Command Group	ITel0_NewsDefaultResourceCommandGroup

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View "NewsResourceDisplayRenderer_Tab"

Description	Renders new item with read only actions
Flavor	Tab_Content
Resource Renderer	NewsRenderer
Icon Setting	
Tooltip Setting	
Visible Properties	
Command Display	link
Resource Command Group	NewsDisplayGroup
Folder Command Group	NewsDisplayGroup
Link Command Group	NewsDisplayGroup

[Show Advanced Options](#)

b. For News Creation

For ITelO Corporate News Creation, the standard Layout Set NewsExplorer was used. For news authoring as part of the Business Area roles, the Layout Set was slightly adapted by adding a details command for each news item.

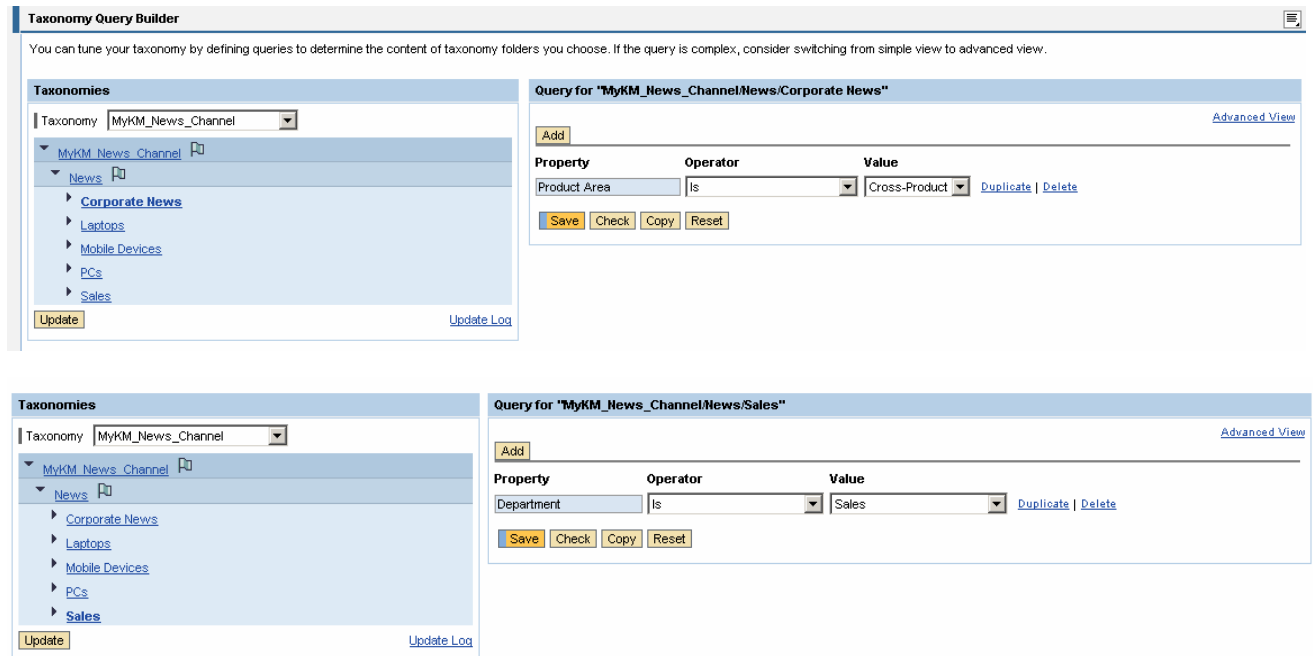
3.5 Restrict available Forms to ITelO News

In CM Configuration navigate to Form-Based Publishing -> Forms Availability -> Folder Settings. Create a new entry with the path where your news items are stored and the name of the XML Forms Project as Forms to Include.

Priority	<input type="text" value="2"/> 1-99
Folder Path *	<input type="text" value="/ITelO_DB/Corporate/News"/>
Forms to Exclude	<input type="text"/>
Forms to Include	<input type="text" value="ITelONews"/>

3.6 Create an Index and a Query-Based Taxonomy

1. Go to the Index Administration and create a new index with the storage folder of the news items as data source and service Search and Classification. Create a query-based taxonomy for the index.
2. Go to KM Content Administration and create the storage folder and the taxonomy folders you need.
3. Go to Content Management > Classification > Taxonomy Query Builder, choose your newly created taxonomy and define a query for each category using the properties you created in Step 3.2:



3.7 Create iViews and Pages for Viewing, Maintaining, and Searching for Postings

a. Display

A KM Navigation iView with Layout Set ITelO_NewsTabExplorer and your News taxonomy folder as path entry. Layout Set Mode should be "exclusiv".

b. Maintenance

Create a KM Navigation iView with your Layout Set for News Authoring and your storage folder as path entry.

Now create pages for your iViews, combine them to a workset and add the workset to a user role.

3.8 Try it Out !