

Business Package for Microsoft® CMS Integrator

Overview

The Business Package for *Microsoft CMS Integrator* provides an easy to use facility, which enables the user to navigate over Microsoft CMS content without leaving the SAP Enterprise Portal context. The Microsoft CMS content, the postings and the channels respectively, will be displayed in a treebased structure, with the Look & Feel of SAP Enterprise Portal.

Different roots, called entrypoints, can be specified in the standard Enterprise Portal Navigation. The entrypoints may differ based on their location in the navigation.

Business value

Using this package enables a seamless integration of different information sources. Enduser can use information of both worlds without changing or leaving the context of the portal. Furthermore it is possible to compute the entrypoints dynamically based on the user's context like membership of the user to a specific organizational unit in the corporation.

The provided facility supports directly the workflow process of endusers by the dynamic calculation of the user's context. Same users in the same Portal Context may have different entrypoints to CMS based on the state of the Portal environment.

Introducing the facilities provided by the *Microsoft CMS Integrator* reduces the amount of time searching for specific information. Required information from both worlds is available through a single interface at the right location and in the required composition.

Availability

This package is available:

- for SAP Enterprise Portal 6.0 SP2

The Business Package is available in the following languages:

- English

Recommended browser:

- Microsoft Internet Explorer 6.0

Business Package for Microsoft® CMS Integrator

Technical Description and Configuration Information

Purpose

This process describes how to install and customize the Business Package for *Microsoft CMS Integrator*.

Prerequisites

To enable the user to run the Business Package for *Microsoft CMS Integrator* as shipped, all you need to do is to match the following list of prerequisites:

- The installation package for Microsoft CMS Services is installed on the connected Microsoft CMS Server(s).

Process Flow

The package will be installed using the standard deployment mechanism of Enterprise Portal. An example configuration can be found in the subtree “Spell: Microsoft CMS Integrator” at “Portal Content/Content Provided by Other Vendors/End User Content”.

After the installation of the Business Package for *Microsoft CMS Integrator* two new components are available. This part describes how to configure these components.

Configuration of the Microsoft CMS Navigator iView

The Microsoft CMS Navigator is intended to be used as an iView. The iView may be part of the “Default framework page” or its “Desktop innerpage” definition of the CI. The following describes the installation as a standard iView as part of a page.

1. Create a new or use an existing page
2. Create a new iView using *Microsoft CMS Navigator* from the portal archive “com.spell.pct.mcms” and add it to the “Dynamic Navigation” area of the page
3. Configure the iView as follows:

CMS DefaultInitialURL	The default endpoint the the CMS. This might be used as the displayed root of the navigation tree. See discussion below for more information. Example: /myEndpoint/
CMS NavigationService	The URL to the Navigation Webservice on the Microsoft CMS (http://intra.spell.com:8080/spellSAPEP-MCMS)
CMS Authentication Method	Select the authentication method to be used: User Password Preferred: Use user/password if possible, fallback to SSO cookie EP Authentication Preferred: Use SSO cookie if possible, fallback to user/password. User Password Only: Use only user/password EP Authentication Only: Use only SSO cookie
CMS User	Identity of the user requesting on behalf of the logged in user. If SSO is in place this user will be the fallback user.
CMS Domain	Domain of the specified user.
CMS Password	Password of the specified user.
Isolation Method	URL

If dynamic calculation of entry points is to be used, the following attributes must be configured as well:

CMS DynamicRouterClass	The class to be used for dynamic endpoint calculation
------------------------	---

CMS DynamicRouterParFileName	The portalapplication to contain the aforementioned class
---------------------------------	---

Configuration of the Microsoft CMS Content iView

The Microsoft CMS Content is intended to be used as an iView. The following describes the installation as a standard iView as part of a page.

1. Use the page, where you added the Navigation iView to the “Dynamic Navigation” area.
2. Create a new iView using *Microsoft CMS Navigator* from the portal archive “com.spell.pct.mcms” and add it to page
3. Configure the iView as follows:

CMS DefaultInitialURL	This is the default entrypoint into the cms world. E.g. (http://intra.spell.com:8080/myEntrypoint/)
Isolation Method	URL

If dynamic calculation of entry points is to be used, the following following attributes must be configured as well:

CMS DynamicRouterClass	The class to be used for dynamic entrypoint calculation
CMS DynamicRouterParFileName	The portalapplication to contain the aforementioned class

Deinstallation of the Microsoft CMS Integrator Package

1. In case you have created your own iViews from the portalarchive, remove these iViews
 2. Remove the subtree “Spell: Microsoft CMS Integrator” from the “Portal Content/Content Provided by Other Vendors/End User Content” node.
 3. Remove the portalapp “com.spell.pct.mcms” using the standard mechanism of Enterprise Portal.
-

Microsoft CMS Navigation

Technical Data

Provider/Homepage	Spell GmbH / http://www.spell-gmbh.com
Application type	Java/HTMLB (WAS 6.20 and higher)
Technical name	com.spell.pct.mcms.Navigation
Available for Portal (Release)	SAP Enterprise Portal 6.0 SP2
Origin of data	Microsoft Content Management System
Languages	English
Support	http://www.spell-gmbh.com E-Mail: support@spell-gmbh.com

Features

You can use this iView to navigate through the content hierarchie of the Microsoft CMS. The navigation acts like navigating over a filesystem using the Microsoft Windows Explorer or using the standard navigation facilities of the SAP Enterprise Portal.

The content hierarchie of Microsoft CMS is displayed as a navigation tree, whereas the CMS channels will be shown as tree-nodes and the CMS postings will be shown as tree-leaves. To see all corresponding postings or subchannnels of a channel, simply expand the proper tree-node. After expanding the tree-node, the Navigation iView reloads dynamically all the needed data from the CMS and updates the Navigation tree.

The entrypoint can be specified at the iView's configuration page.

Microsoft CMS Content

Technical Data

Provider/Homepage	Spell GmbH / http://www.spell-gmbh.com
Application type	Java/HTMLB (WAS 6.20 and higher)
Technical name	com.spell.pct.mcms.Content
Available for Portal (Release)	SAP Enterprise Portal 6.0 SP2
Origin of data	Microsoft Content Management System
Languages	English
Support	http://www.spell-gmbh.com E-Mail: support@spell-gmbh.com

Features

Except the communication facilities as described below, this iView behaves like the standard SAP Enterprise Portal URL-iView.

You can use this iView to display the content of a posting of Microsoft CMS. The entrypoint can be specified at the iView's configuration page.

Integration

Even there are no dependencies between these and other iViews, if the Microsoft CMS Navigation iView can be found, additional communication between these two iViews will

happen. This communication is used to update the content of the Content iView and to expand and relocate the position of the selected node in the Navigation iView.

The root of the navigation tree will be evaluated like this: If the default initial URL of the content iView is part of the subtree below the default initial URL of the navigation iView, the default initial URL of the navigation iView will be used as root of the navigation tree. Else the subtree will be extended (by using the parent node), so the aforementioned condition will be met.

Prerequisites

The following prerequisites are needed to run this iView properly:

- A well administrated Microsoft CMS with the additional WebServices installed is in place
- A WebService connection to the related Microsoft Content Management Server has to be established
- The iView is configured properly (see technical description above)
- You are using the supported browser
- Either the logged in user or the configured user must be privileged to access the WebServices and the Posting (Content) of the related Microsoft Content Management Server(s)
- When using SSO the Microsoft CMS has to be configured for accepting the SSO ticket.

Dynamic Entrypoint calculation

To use dynamic endpoint calculation, the customer has to provide an implementation of the Java interface `com.spell.mcms.DynamicRouterInterface`. Two methods needs to be implemented:

```
String getNavigationEntryPoint(IPortalComponentRequest request,  
IPortalComponentResponse response)
```

and

```
String getContentEntryPoint(IPortalComponentRequest request, IPortalComponentResponse  
response)
```

These methods will return the endpoint for the navigation iView and the content iView respectively. The rules as described above will be applied as well.

The implementation needs to be deployed as a portalapplication (with a dependency to the `com.spell.pct.mcms.navigation` portal-application) and the class and the deployed application needs to be referenced in the iView properties as described above.
