

Alkacon OAMP DocCenter Module

Version 2.0.0

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1 Abstract

This document describes the installation, configuration and usage of the Alkacon OpenCms Add-On Module Package DocCenter (Module Version 2.0.0). With the DocCenter module, it is possible to create “download areas” similar to the output of an apache web server that allows directory browsing but with the support of the look and feel of the current template and many additional features.

Once created, configured and filled with content, a DocCenter will offer the listing of available files / subfolders with configurable and sortable information columns. Also search in the documents is supported.

2 General purpose of the Alkacon OAMP DocCenter Module

The module extends a basic OpenCms 8 installation with the capability to create highly configurable download areas. It provides the following features:

- A new resource type “Alkacon DocCenter” allows creating a new DocCenter by drag & drop.
- Within a download center the files are served similar to an apache web server with directory browsing enabled but with the look & feel of the template used and more features.
- Documents may be assigned in categories.
- Full text search may be configured for each DocCenter.
- Columns in document listings may be hidden (“datemodified”, “datecreated”)
- Document types are identified by icons. These icons may be customized and / or extended by further types. Also the link titles for these documents may be customized.
- A search frontend allows to search for new documents (within a configurable time period).
- New and Modified documents are marked with a special overlay icon. This may be turned off. The time range for modified and for new documents (related to date last modified and date created attributes) may be configured globally.
- The same content may be offered in different forms (.docx, .pdf,...) which will be offered via different links to types of the listed document.

3 Installation

Note: To use the Alkacon OAMP DocCenter module, you need at least OpenCms version 8.0.1. The module is not compatible with older OpenCms versions.

Step by step installation procedure:

1. Login to the OpenCms workplace
2. Go to the OpenCms Administration view and select the root site (Site “/”)
3. Click "Module Management" and select either "Import Module from Server" if the module was placed in the WEB-INF/packages/modules/ folder of your OpenCms installation, or select "Import Module with HTTP" to upload the module from your local file system
4. Select the Alkacon OAMP DocCenter module zip file
com.alkacon.opencms.v8.documentcenter_2.x.zip to import
5. Check if the jar file com.alkacon.opencms.v8.documentcenter.jar has been deployed in the WEB-INF/lib/ folder after installation
6. Modify the configuration of your OpenCms installation:
In the file
`<tomcat-home>/webapps/<webappname>/WEB-INF/config/opencms-system.xml`

the following lines have to be added to the <resourceinit> node:

```
<resourceinithandler  
class="com.alkacon.opencms.v8.documentcenter.CmsShowDefaultFile"/>  
<resourceinithandler  
class="com.alkacon.opencms.v8.documentcenter.CmsShowDisclaimer"/>
```

7. Restart your servlet container afterwards (e.g. tomcat or similar)

4 Module usage

After successful installation and configuration of the DocCenter module, it is ready to use. Webforms can be set up by creating a new resource of the type "Alkacon Document Center".

4.1 Adding a new Alkacon DocCenter to a page

To add a new DocCenter to an existing page, click on the "Add Wizard" symbol in the ADE toolbar.

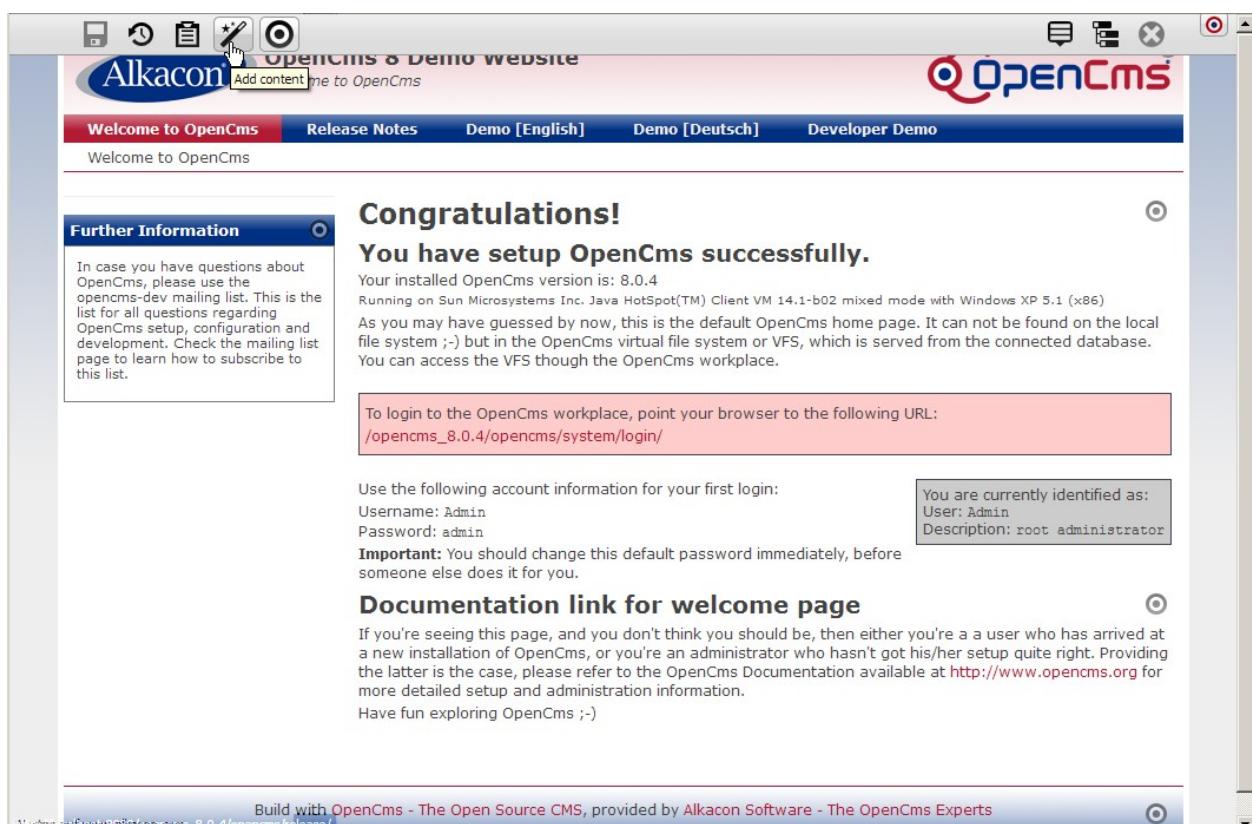


Figure 1: Open the "Add Wizard" in the ADE toolbar.

By default the new resource type Alkacon DocCenter is available through the entire site and can be added to pages by Drag & Drop. Just click on the "Move to page" icon and keep the mousebutton pressed. Now you can move the new DocCenter where you need it and release the mouse-button.

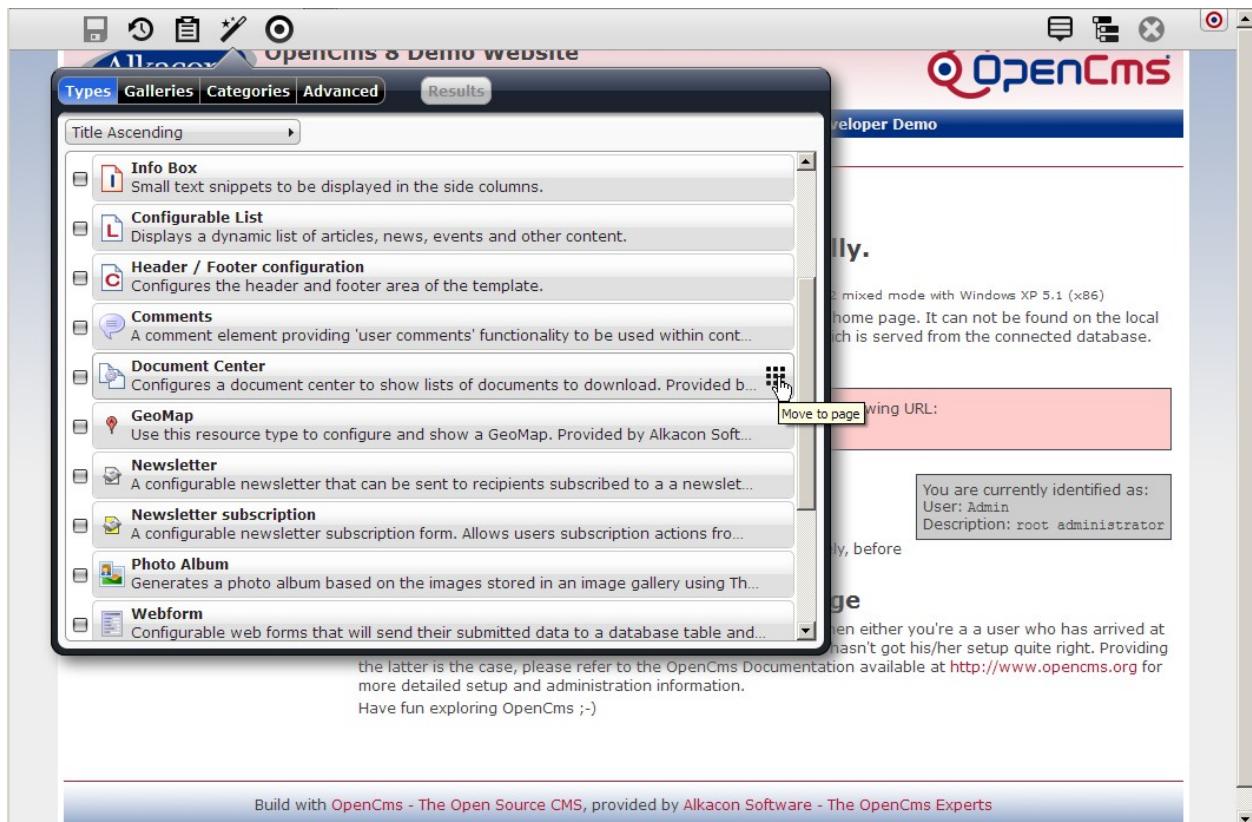


Figure 2: Drag a new Alkacon DocCenter from the "Add Wizard".

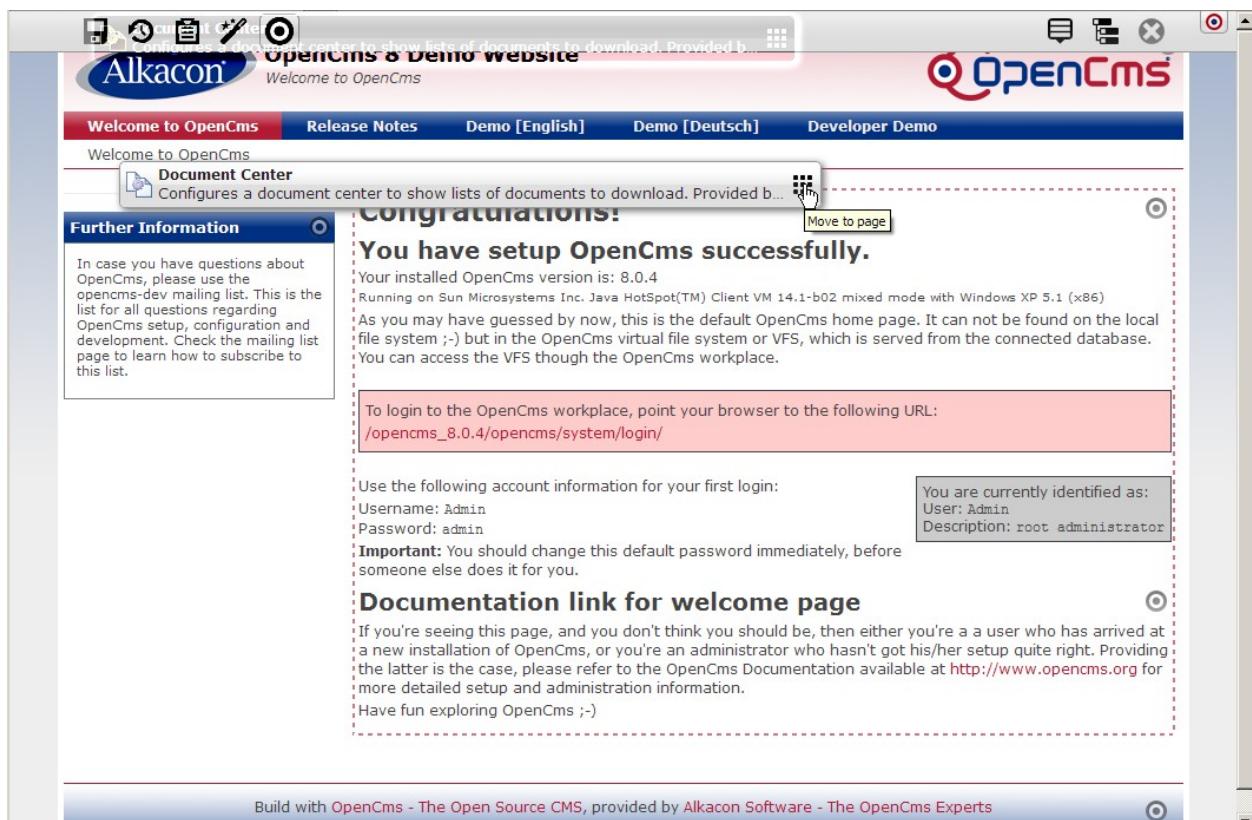


Figure 3: Dropping the new Alkacon DocCenter to destination container.

4.2 Editing an Alkacon DocCenter

To edit the newly created Alkacon DocCenter click on the ADE icon in the upper right corner of the DocCenter and select "Edit".

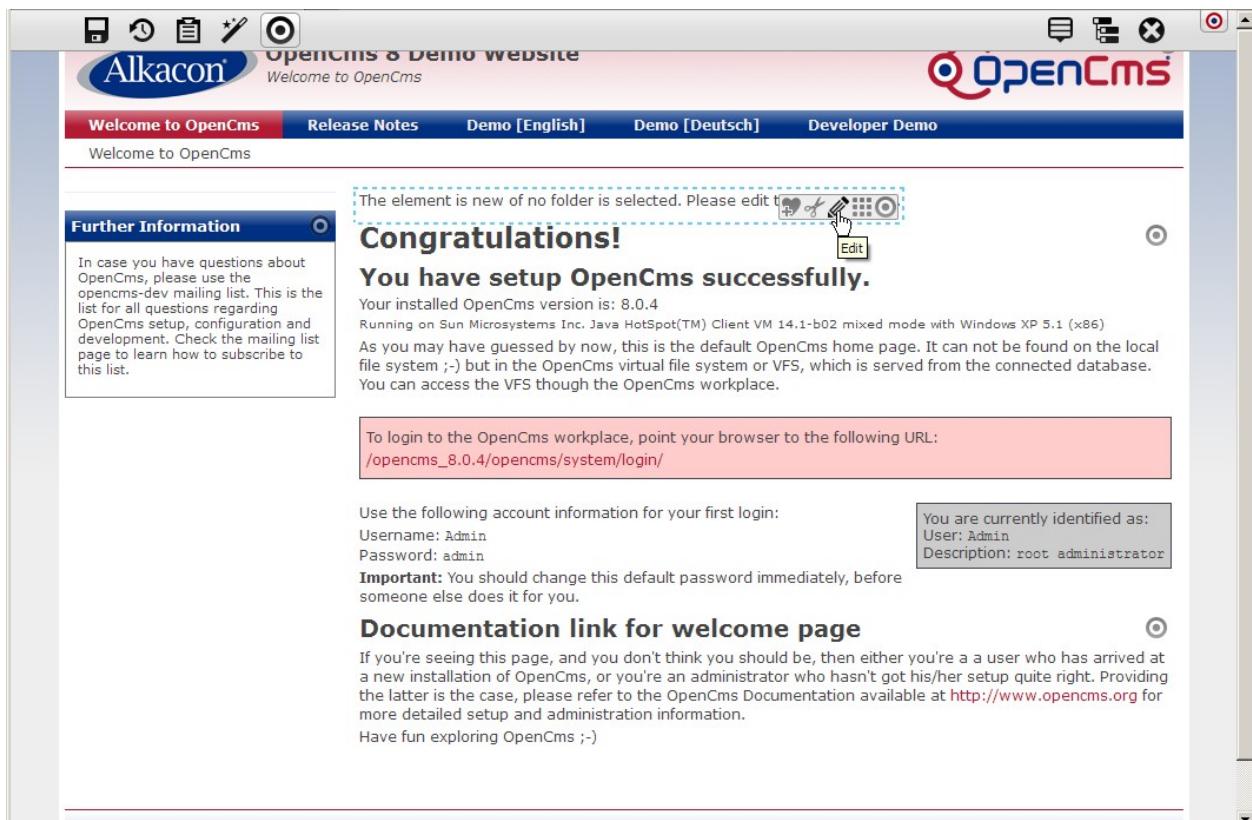


Figure 4: Open the ADE Editor.

The following fields are available for editing:

- **Title:** The title of the document center..
- **Center folder:** The absolute path to the document center.
- **Show categories:** If checked, the category overview is shown as start page.
- **Show search options:** If checked, the search form is shown above the document center.

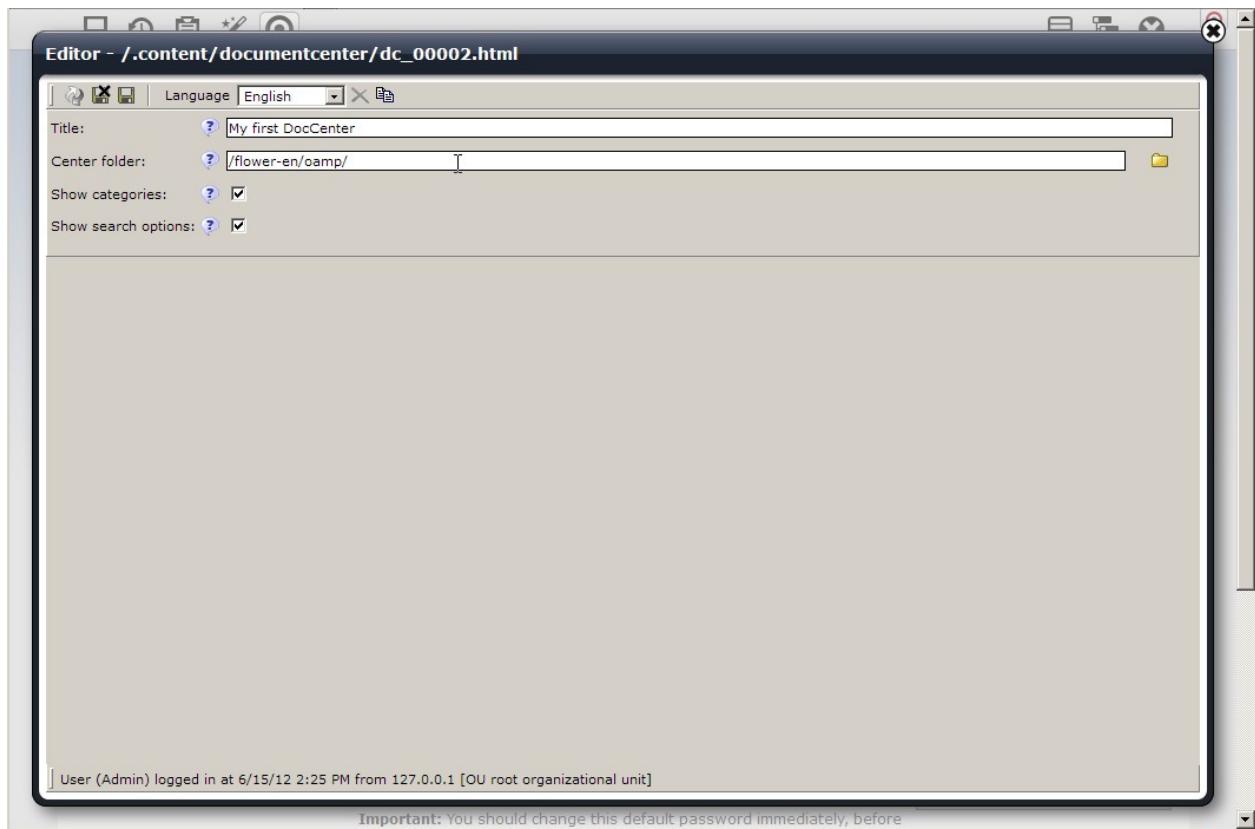


Figure 5: Alkacon OAMP DocCenter in ADE Editor.

4.3 Adding an existing Alkacon DocCenter to your page

You can also select an existing Alkacon DocCenter from the "Add Wizard" by double-clicking the Resource type Alkacon DocCenter or by checking the box left to it and clicking "Results". From the displayed results, select the DocCenter you need and add it to your page by Drag & Drop.

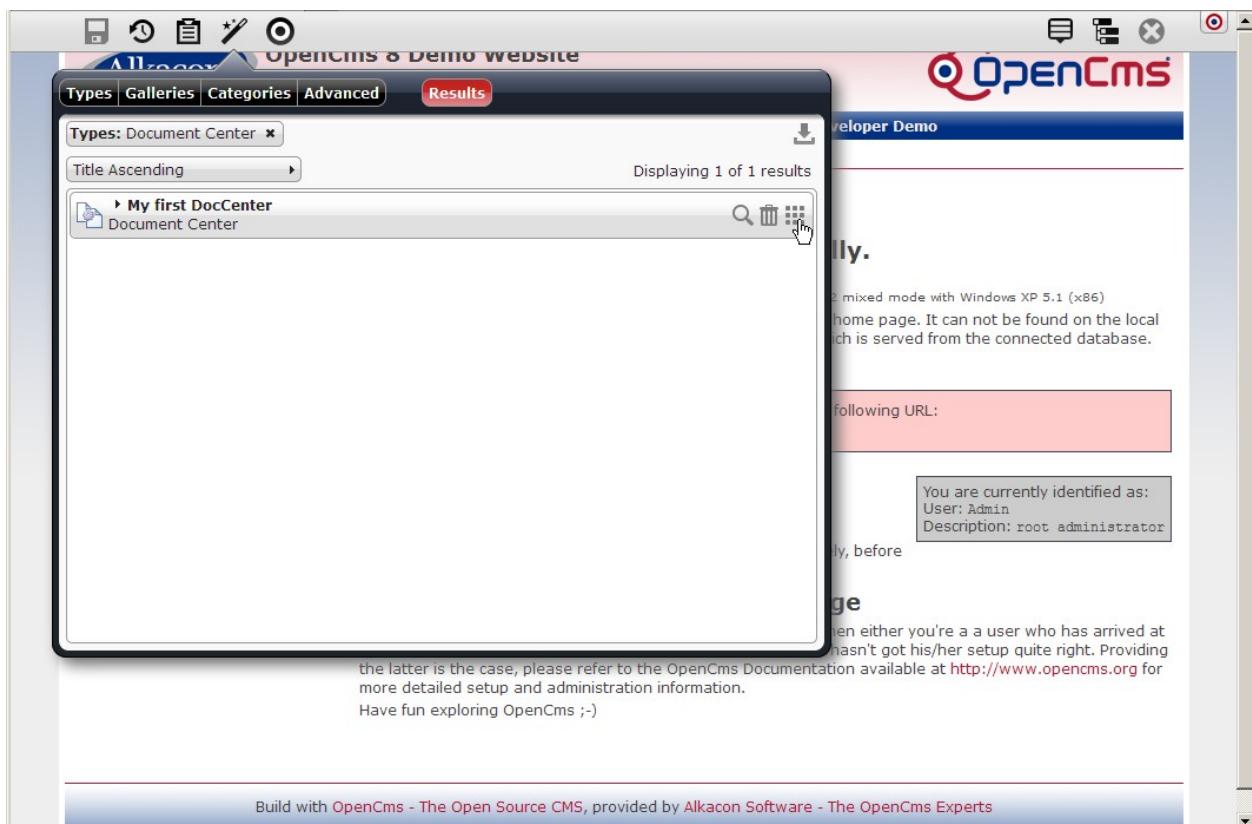


Figure 7: Drag & Drop of an existing Alkacon DocCenter in ADE.

After saving and reloading the page the DocCenter should seamlessly integrate with your web page.

4.4 Center Folder

You can select any existing folder structure from the OpenCms workplace or the Sitemap Editor as Center Folder for the new DocCenter.

To use your folder structure as a the Center folder of your DocCenter, you have to assign categories and subcategories.

4.4.1 Categories and Subcategories

Every Alkacon OpenCms DocCenter should contain at least one subfolder. A subfolder is called category. Documents are uploaded into these categories. When web users visit the first page of a DocCenter they will see the listing of the categories.

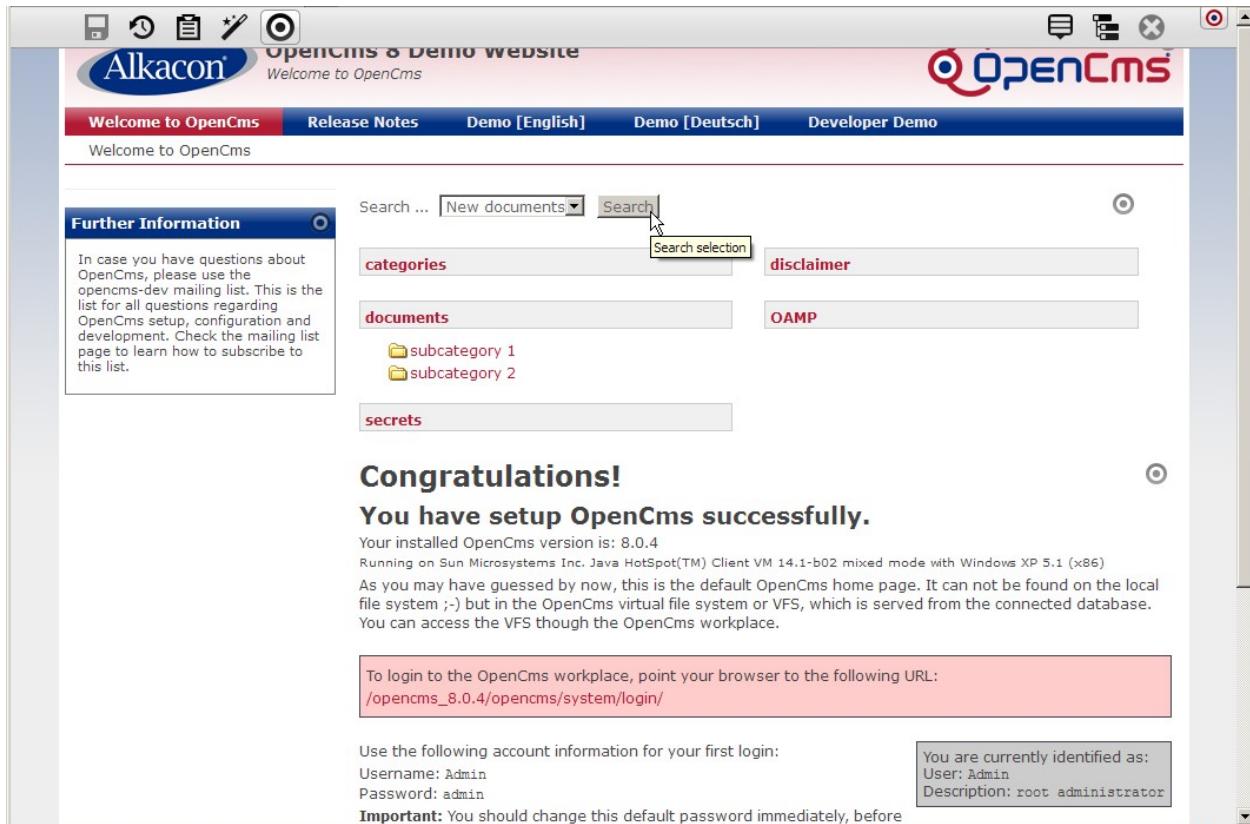


Figure 8: Demo frontend view of a DocCenter with categories.

Every Alkacon OpenCms DocCenter may manage at most a category depth of two: Main categories and sub categories are supported.

To create a category, one simply creates a folder in a DocCenter and assings a value to the property "category" of this folder. The value has to be a unique number. This number will also control the ordering of main categories. Only folders with their "category" property set will be displayed as categories. E. g. two categories (news, arcive) would have the values 1 and 2 in their property "category".

To control the order in sub categories there is a special syntax: sub categories must be assigned a category property value of the format <category>.<sub category> (i.e. category 1 contains sub categories 1.1, 1.2, 1.3, etc.). The DocCenter's displayed output will override a given folder structure with this assigned property values.

To change the displayed name of categories and subcategories please set the property "title" of the corresponding folder to a string you like. The property "title" overwrites the folder name in the displayed output.

Every main category and sub category may contain it's own \$default.html file of type alkacondoccenter-content. When showing the category – listing the DocCenter will use the \$default.html of the current folder for displaying headers, footers,... . It is also possible to override this behavior by setting a path to a file of type alkacon-doccenter-content to the value of the property "content" of the category folder.

4.5 Text Search in Alkacon OpenCms DocCenters

To have a “search” select box offered on category list pages, the property “categorySearch” is set to “true” on the document center.

Text search is performed by selection of “text” in the “search” select box offered on category listing pages.

The value of the property “search.index” has to contain a name of an existing search index of OpenCms. The demo content references an index that is already there by default. For best performance a special search index for every DocCenter (that covers the DocCenter’s folder only and the document types in that DocCenter) should be created and configured.

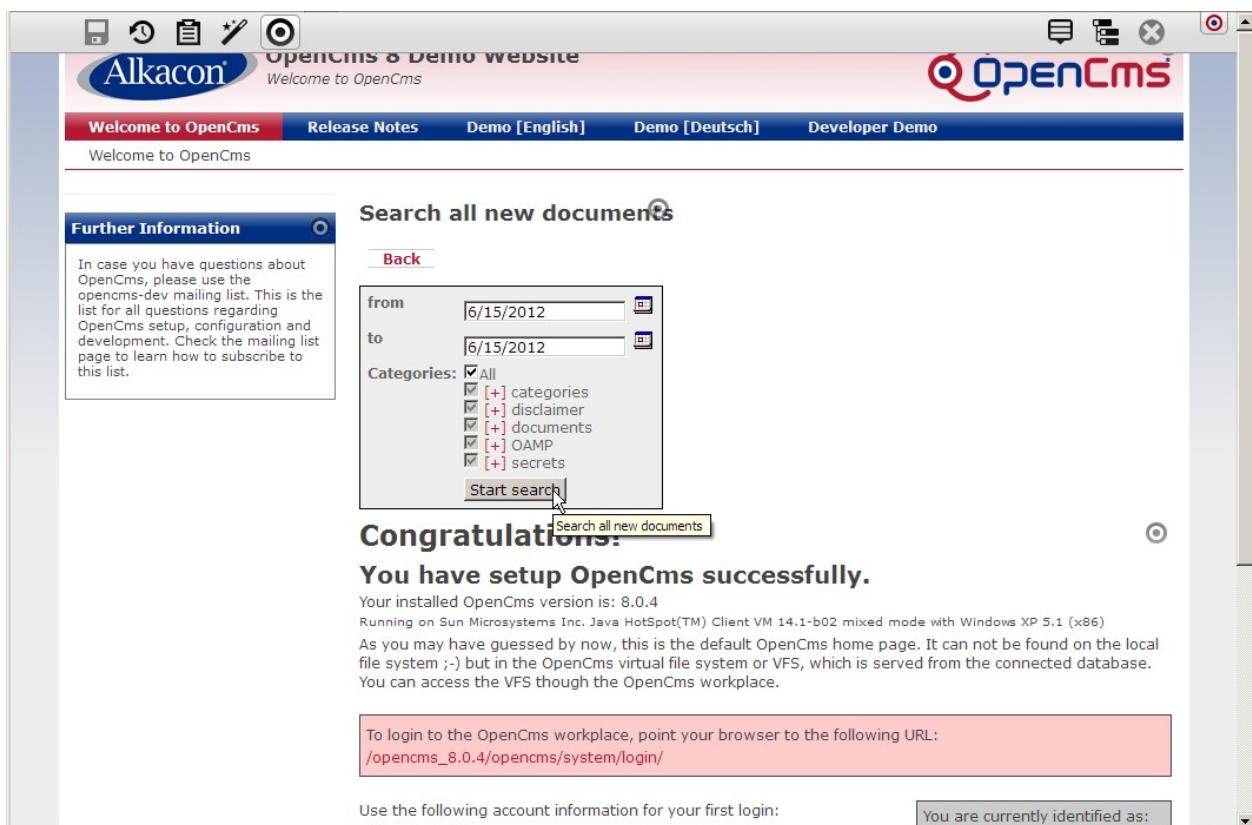


Figure 8: Demo frontend view of a DocCenter - start new search.

4.6 Visibility of columns in document listing pages

The screenshot shows a web browser window displaying the OpenCms DocCenter search results. The title bar reads "OpenCms & Demo Website Welcome to OpenCms". The main content area has a heading "Search all new documents from June 15, 2012 to June 15, 2012". Below this, there is a table of search results:

Name	Folder	Type	Size	Modified	Created
Alkacon_OAMP_Webform	★ subcategory 1	PDF	7894kb	6/15/12	6/15/12
Alkacon_OAMP_Survey	★ subcategory 1	PDF	7166kb	6/15/12	6/15/12
Alkacon_OAMP_Photoalbum	★ subcategory 1	PDF	6734kb	6/15/12	6/15/12
Alkacon_OAMP_Newsletter	★ subcategory 1	PDF	8240kb	6/15/12	6/15/12
Alkacon_OAMP_GeoMap	★ subcategory 1	PDF	6982kb	6/15/12	6/15/12
Alkacon_OAMP_Comments	★ subcategory 1	PDF	6590kb	6/15/12	6/15/12

Below the table, a section titled "Congratulations!" displays the message "You have setup OpenCms successfully." It also shows system information: "Your installed OpenCms version is: 8.0.4", "Running on Sun Microsystems Inc. Java HotSpot(TM) Client VM 14.1-b02 mixed mode with Windows XP 5.1 (x86)", and "As you may have guessed by now, this is the default OpenCms home page. It can not be found on the local file system ;-) but in the OpenCms virtual file system or VFS, which is served from the connected database. You can access the VFS through the OpenCms workplace." A red box highlights the URL "/opencms_8.0.4/opencms/system/login/". To the right, it says "You are currently identified as: User: Admin Description: root administrator".

Figure 8: Demo frontend view of a DocCenter - search results.

To control the visibility of columns in document listing pages the following properties may be set on the DocCenter, main category or sub category folders:

- **docs.hidecolumns:** This property allows making the columns for last modification date and creation date invisible. Possible values are “datemodified”, “datecreated” or “datemodified;datecreated”.
- **categoryDescription:** Allows to show the value of an additional property of a document in document listing pages. Values:
 - “**text**”: The value of the property “Description” will be shown under the name.
 - “**text;<propertyname>**”: The value of the property “<propertyname>” will be shown. For example “text;Title” will show the value of the property Title.
- **categoryHistory:** Controls the visibility of links to the historic version page in the date last modified column. Possible Values are “true” (standard) and “false”.
- **categoryWindow:** Specifies the window in which the historic version will be shown. If set to “_blank” a new window will pop up. If unset or set to “_self” the same window will be used.

4.7 Icons

It is possible to change or extend the icons to show for documents. The icons are located in the OpenCms VFS folder /system/modules/com.alkacon.opencms.v8.documentcenter/resources/. The naming convention is:

- Every icon name starts with “ic_app_”
- The following part of the name covers the file – extension of the document.
- Every icon name ends with “.gif”

The icon for *.pdf files for example is “ic_app_pdf.gif” and it’s full path is “/system/modules/com.alkacon.opencms.v8.documentcenter/resources/ic_app_pdf.gif”. If an icon is not found

“/system/modules/com.alkacon.opencms.v8.documentcenter/resources/ic_app_unknown.gif” is used.

It is possible to specify the “alt – text” for each icon. To do so you have to edit the VFS file /system/modules/com.alkacon.opencms.v8.documentcenter/classes/com/alkacon/opencms/documentcenter/. Within this file there is the following convention to specify the alt text:

- documentlist.icon.file.title.{fileextension} = <alt text for icon>

To specify the tool tip text / alt text for *.zip files the file mentioned above has to contain the line “documentlist.icon.file.title.zip = Compressed zip archive”. To translate this to other languages you also have to translate the other files named like

/system/modules/com.alkacon.opencms.v8.documentcenter/classes/com/alkacon/opencms/documentcenter/. After these files have been changed it is necessary to publish them and finally reinitialize the workplace in the OpenCms workplace Administration by restarting your servlet container.

4.8 Time Range for New documents

New or modified documents are marked with a star symbol. It is possible to configure the amount of days a new or modified document should be considered as new. The standard for new and modified documents is 4. To change this settings define the module parameters “NewPeriod=<Number>” and “ModifiedPeriod=<Number>” with different values.

4.9 Link title for open document links

The tool tip title for the link that opens a document by default is “Open”. This may be changed per document type in the file

/system/modules/com.alkacon.opencms.v8.documentcenter/classes/com/alkacon/opencms/documentcenter/

The syntax for a line is:

- documentlist.link.open.{fileextension} = Open

To change the tool tip for *.doc documents the line would be “documentlist.link.open.doc = Open Microsoft Word Document”.

It is possible to translate these settings in the message files in the same folder with different “_<locale>.properties” – ending. After these files have been changed it is necessary to publish them and finally reinitialize the workplace in the OpenCms workplace Administration.

4.10 Sort document lists

All documents in the document folders are sorted alphabetically by their `Title` property ascending. It is possible to set up sorting individual per document list. Thereto the `SortMethod` property on the folder with the documents in is to set. The different possibilities for sorting are listed in the following table:

Sorting	Property value
Alphabetically by the document title (default)	A
By the file type, for example "Word", "Excel" or "PDF"	T
By the file size	G
By the date last modified	D
By the date created	DC
By own defined sorting order	S

The method „by own defined sorting order“ allows document sorting in individual order. That means that for every single document the `sortOrder` property (has to be defined, if needed) is to set to a numerically value between 0 and 2.147.438.647. It is meaningful to have enough distance between two sequenced documents. So it is possible to insert documents later without any problems.

Every sorting can be done in ascending or in descending order. Thereto is to set the value “:asc” for ascending or “:desc” for descending on the `SortMethod` property.

The change from the sorting order is to do by clicking the column headers “Type”, “Name”, “Size”, “Modified” and “Created”.

Generally, folders are shown before the files in the document list. To sort the folders, the value “:includefolders” has additionally to be added to the `SortMethod` property.

Example:

- “A:asc:includefolders” sorts folders and documents ascending by their title (from „A“ until „Z“).
- “D” shows first all folders ordered by date, then all documents ordered by date (new documents are shown at first).
- “S:desc:includefolders” shows mixed all folders and documents, sorted by their individual `SortOrder` property descending.

With the property `docs.datecreated` (has to be defined, if needed) the date in column `Created` can be set. German and English date formats can be used, for example: 01.12.2009 or 12/1/2009.