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Technote

Alkacon OAMP DocCenter Module

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1   Table of Content

2   Abstract

This document describes the installation, configuration and usage of the Alkacon OpenCms Add-On Module Package DocCenter. 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.

3   General purpose of the Alkacon OAMP DocCenter Module

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

- o A new resource type "Alkacon Document Center" allows to create a new document center on the fly.

- o 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.

- o Documents may be assigned in categories.

- o Full text search may be configured for each document center.

- o Columns in document listings may be hidden ("datemodified", "datecreated", "lang", "overlay")

- o Documents in several languages may be shown as a single document with selectable language.

- o 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.

- o A search frontend allows to search for new documents (within a configurable time period).

- o 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.

- o The same content may be offered in different forms (.docx, .pdf,...) which will be offered via different links to types of the listed document.

4   Installation

Note: To use the Alkacon OAMP DocCenter module, you need at least OpenCms version 7.0.5. 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

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.documentcenter_1.0.x.zip** to import

5. Check if the jar file **com.alkacon.opencms.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.documentcenter.CmsShowDefaultFile"/>
   <resourceinithandler class="com.alkacon.opencms.documentcenter.CmsShowDisclaimer"/>

7. Restart your servlet container afterwards

5   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**".

5.1 Creating an Alkacon OpenCms Document Center

To create a new DocCenter the "new" dialog in OpenCms has to be used:

1. Click "New" in the Top Bar of the OpenCms Workplace.

2. In the following dialog click "Structured content" and then "Continue".

3. Then select "Alkacon Document Center " and "Continue".

4. In the following dialog enter the name of the new extended Folder for the new DocCenter and more properties if desired.

→ A new folder of type "alkacon-doccenter" has been created and is visible in the OpenCms Explorer.

5.2 Taxonomy of an Alkacon DocCenter

The Release bundle of the OpenCms Alkacon Module Package DocCenter contains a database export with a demo DocCenter folder structure. This should be installed to view a working setup of an Alkacon DocCenter. Please use the OpenCms workplace administration → Database Management tool and select the root site "/" for importing the demo content "via http".

Please note that the demo content only works if you have installed the standard module **org.opencms.frontend.templatetwo**.
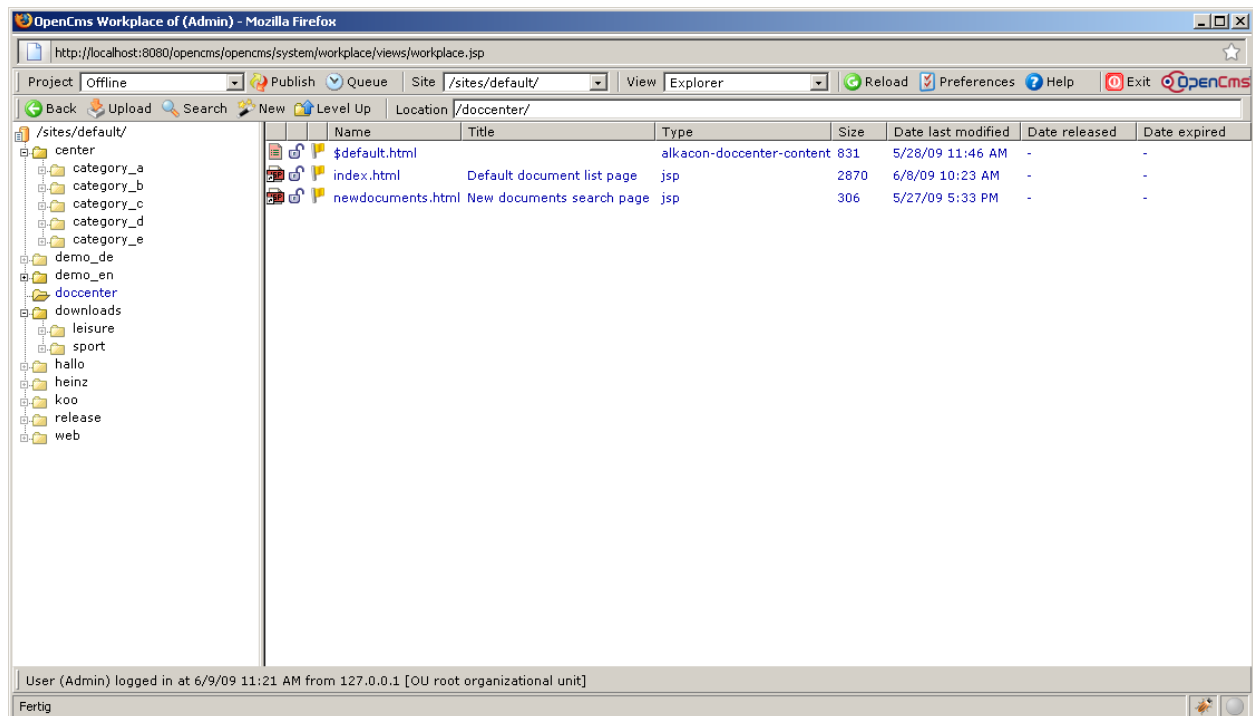
Figure 1: An Alkacon OpenCms DocCenter folder structure.

Once a new Alkacon OpenCms DocCenter has been created it contains nothing more than the following files:

$default.html: An XML content that contains fields for the header text, footer text, disclaimer text, disclaimer_declined text and a FolderEmpty text. The disclaimer text is shown whenever a disclaimer has been configured that has to be agreed to before downloading files (see later). Every subfolder may contain its own **$default.html**.

index.html: This is a default list page for the documents / subfolders (which are categories in DocCenter lingo).

newdocuments.html: This file shows the form for searching documents by date / age or search query. It is linked in the DocCenter document / category listing pages correctly because it's path is automatically referenced in the property "link_newdocuments".

5.2.1   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.
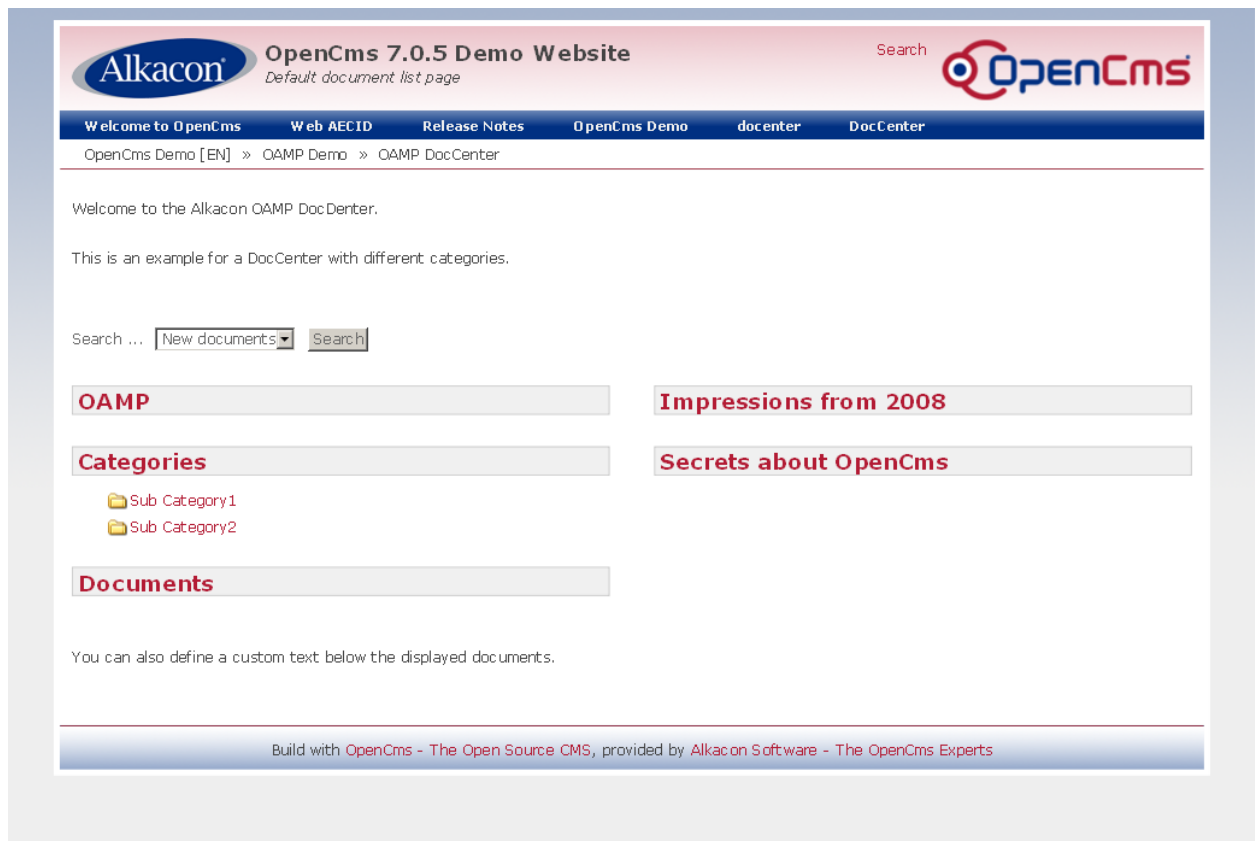
Figure 2: Alkacon OpenCms DocCenter category listing.

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. To control the ordering of main categories their property category has to be set to a unique number. Two categories (news, archive) will have the values 1 and 2 in their property "category".

To control the order in sub categories there is a special syntax: The category archive (with category property value 1) might contain the folders 2004 and 2005 with the values 2.1 and 2.2 in their property "category"

Every main category and sub category may contain it's own $default.html file of type alkacon-doccenter-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.

5.3 Text Search in Alkacon OpenCms DocCenters

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.

5.4 Visibility of columns in document listing pages

Figure 3: Alkacon OpenCms DocCenter document listing.

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:

- o **docs.coumnid:** Controls visibility of the "ID" column. Possible values are "true" or "false" (standard). If this column is visible it will be used as sorting – column by default (unless another column is specified by the value of the "SortMethod" column.
- o **docs.hidecolumn:** This property allows making the columns for last modification date and creation date invisible. Possible values are "datemodified", "datecreated" or "datemodified;datecreated".
- o **categoryDescription**: Allows to show the value of an additional property of a document in document listing pages. Values:
  - o **"text"**: The value of the property "Description" will be shown.
  - o **"text;<propertyname**>": The value of the property "<propertyname>" will be shown. For example "text;Title" will show the value of the property Title.
- o **CategoryHistory:** Controls the visibility of links to the historic version page in the date last modified column. Possible Values are "true" (standard) and "false".
- o **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.
- o **categorySorting:** Specifies how the categories on category listing pages should be sorted. Values are "down" (two columns, sorting by column) and "right" (two columns, sorting by rows.

5.5 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.documentcenter/resources/. The naming convention is:

- o   Every icon name starts with "ic_app_"
- o   The following part of the name covers the file – extension of the document.
- o   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.documentcenter/resources/ic_app_pdf.gif". If an icon is not found "/system/modules/com.alkacon.opencms.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.documentcenter/classes/com/alkacon/opencms/documentcenter/messages_documents.properties. Within this file there is the following convention to specify the alt text:

- o   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.documentcenter/classes/com/alkacon/opencms/documentcenter/messages_documents_<**locale**>.properties. After these files have been changed it is necessary to publish them and finally reinitialize the workplace in the OpenCms workplace Administration.

5.6 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.
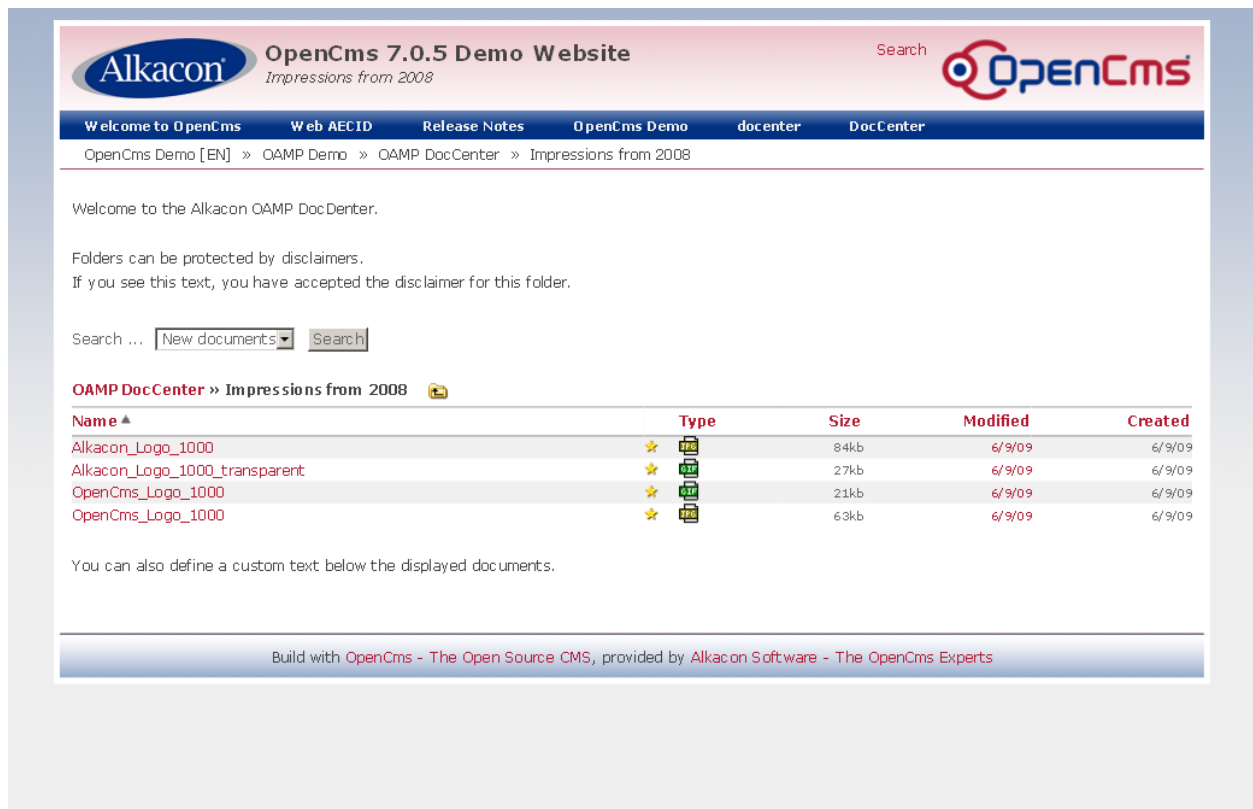
Figure 4: New documents are marked by a star symbol.

5.7 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.documentcenter/classes/com/alkacon/opencms/documentcenter/messages_documents_<**locale**>.properties. The syntax for a line is:

o 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.

5.8 Use of Disclaimer for downloading

It is possible to configure a special disclaimer page before a web user may download a document. The web user has to confirm your terms for downloading the files. If she does the download will be served. If he does not the value of the field "disclaimer_declined" of the **$default.html** file valid for the current category folder will be shown.

Once a webuser has confirmed the decision will be stored in the session. So this question only has to be answered once.

Disclaimers are deactivated by default. To enable a Disclaimer for a category folder do the following steps:

- o Copy
  "/system/modules/com.alkacon.opencms.documentcenter/pages/disclaimer_download.html" to <categoryfolder>. Choose the "sibling" option for the copy.
- o Set the property "disclaimer_page" on <categoryfolder> to
  "<categoryfolder>/disclaimer_download.html"
- o To define the disclaimer text special for that folder create file of type "Alkacon Document Center Content" (alkacon-doccenter-content) with the name $default.html in <categoryfolder>, edit it and define the field "Disclaimer" and "Disclaimer_Declined".

It is possible to allow download of a file in a category folder that has been secured by a Disclaimer without having to confirm to it. To do so just set the property "disclaimer_page" to "false".

The **$default.html** files in a document center should only be available for internal request. To ensure this choose "Advanced → Secure/Export" from the context menu.
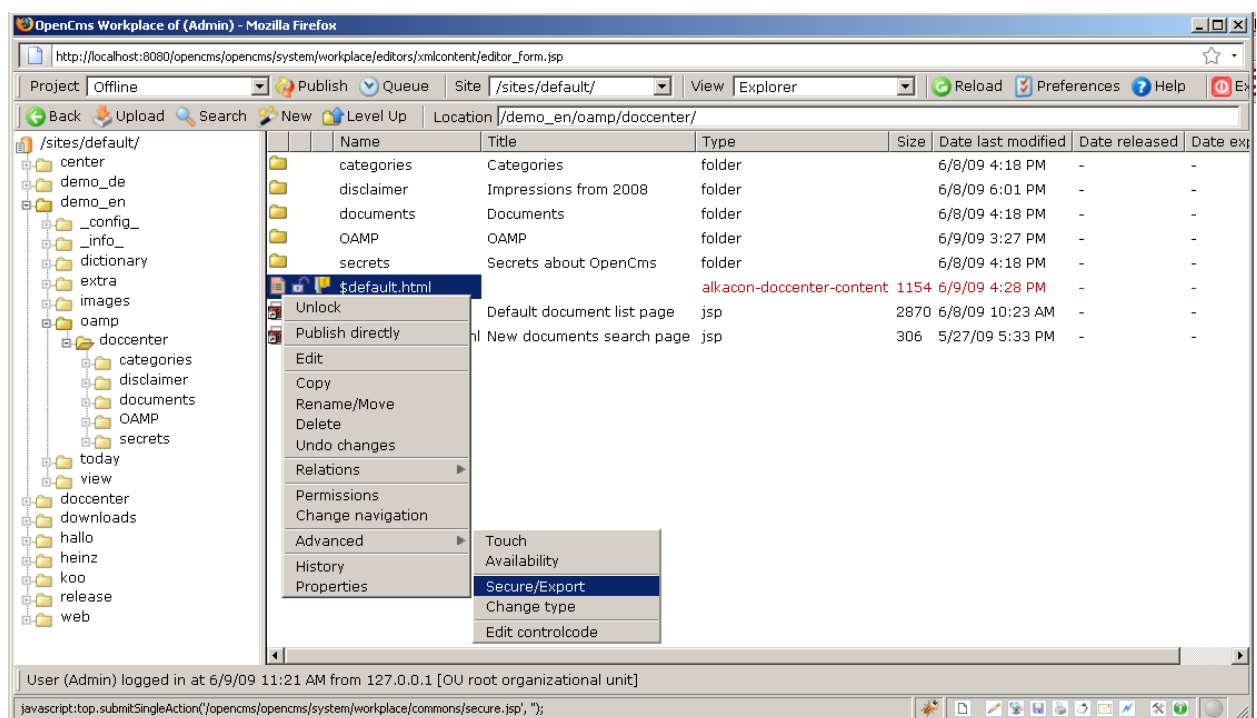

Figure 5: Secure $default.html files.