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# **Alkacon Software GmbH**

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## **Technote**

# **Alkacon OAMP Excelimport Module**

Version: 1.0

Date: Friday, April 3, 2009

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## 1 Abstract

This document explains the installation, configuration and usage of Alkacon OpenCms Add-On Module Package Excelimport. With the excelimport module, it is possible to upload an excel file to OpenCms and to create XML contents from one OpenCms resource type, one XML content per one excel record.

## 2 General purpose of the Alkacon OAMP Excelimport Module

The module provides possibility to import an excel file into OpenCms and to create a XML content per one excel record.

While excel import it is proved if for an excel record there is an existing XML content already. In case of an existing XML content this content is updated if something changed in excel.

If no existing XML content is found to an excel record, so a new XML content is created.

It is also possible to publish new and changed XML contents.

## 3 Installation

Step by setp installation procedure:

1. Go to the OpenCms Administration view
2. 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 locale file system.
3. Select the Alkacon OAMP Excelimport module zip file **com.alkacon.opencms.excelimport\_1.0.x.zip** to import
4. Check if the jar file **com.alkacon.opencms.excelimport.jar** has been deployed in the **WEB-INF/lib/** folder after installation
5. Restart your servlet container afterwards

## 4 Module usage

In this chapter is described the steps to use the Excelimport Module.

In subchapter 4.1 are described the module parameters.

In subchapter 4.2 is written how to configure the configuration file.

In subchapter 4.3 is described how the excel file has to become formatted.

In subchapter 4.4 is written how to upload the excel file into OpenCms.

## 4.1 Module parameters

There are following module parameters:

- **configurationpath**: This parameter includes the path to the configuration files. One configuration file includes configuration for one OpenCms resource type used while importing excel file. Per default this parameter is set to **/system/modules/com.alkacon.opencms.excelimport/configurations/**. Here is one example configuration file for OpenCms resource type **photoalbum**. How to configure configuration file is described in chapter 4.2
- **securitydialog**: With this parameter is to set if before starting import an excel file there is a dialog which lists what actions are conducted and what asks if these actions really shall become executed. Per default this parameter is set to **false**.
- **uploadproject**: This parameter includes the information in which project the creating, updating and publishing from XML contents shall become executed. Per default this parameter is not set, so per default the current project from OpenCms user is used. If here is set an invalid project name, there is also used the current project from OpenCms user.

## 4.2 Configuration file

In Image 1 there is shown an example from a configuration file for resource type **photoalbum**.

In text field **OpenCms resource type** is to set the OpenCms resource type to which this configuration file belongs to.

Text field **Interface** is to set only if the XML contents shall not come into current selected directory or file names shall not be in format <Name OpenCms resource type>\_<Number>.

The interface to use is **com.alkacon.opencms.excelimport.I\_CmsVfsSettings**.

There is to set at least one mappings between excel file and XML contents in the contents **Mappings[...]**. To map are the column names from excel file in the first row and the XML tag names.

In text field **XML tag** is to set the XML tag name. In case of nested content for the first part of name is additional to set index, for example: **Thumbs[1]/...**

In text field **Excel column** is to set the excel column name from the first row which shall become mapped to the XML tag.

In text field **Weight** is controled if record is considered as existent. A high value makes this mapping more important if record is considered as existent.

A mapping marked as **Mandatory** must have a value in excel to become considered, otherwise this excel record is skipped.

In the last text field from configuration file **Weight** is set, when a content is considered as an existing content; if sum from all weights per mapping is equal or higher than this value, so this record considers as existent and is updated.

OpenCms resource type:

Interface: *(Click on the "New" button on the right side to activate this element)*

Mappings [1]:

XML tag:

Excel column:

Weight:

Mandatory: ☒

Mappings [2]:

XML tag:

Excel column:

Weight:

Mandatory: ☐

Mappings [3]:

XML tag:

Excel column:

Weight:

Mandatory: ☐

Weight:

Image 1: Configuration file

### 4.3 Excel file

The OpenCms resource type to which the excel file shall belong to is to set in the **category property** from excel file. For example to belong to OpenCms resource type **photoalbum** here is to set **photoalbum**.

In the first row from excel file there are to set the column names which are used in the belonging configuration file.

Up from the second row there must be the records which shall become imported into OpenCms.

### 4.4 Excel import

To import an excel file there is to use the "New" dialog wizard of OpenCms by selecting the entry "Content item(s) from Excel", see Image 2.

After that the dialog from Image 3 appears. With file chooser you have to select the excel file to import. To publish new and updated XML contents you have to select the checkbox "Publish resources". To import the excel file you have to press button "Ok". After that the excel import starts, a new window appears with report from import.

If you have set module parameter securitydialog to true, before the import starts another dialog asks, if you really want to start the import. If anything is wrong configured, this dialog has this information and you can not start the import.

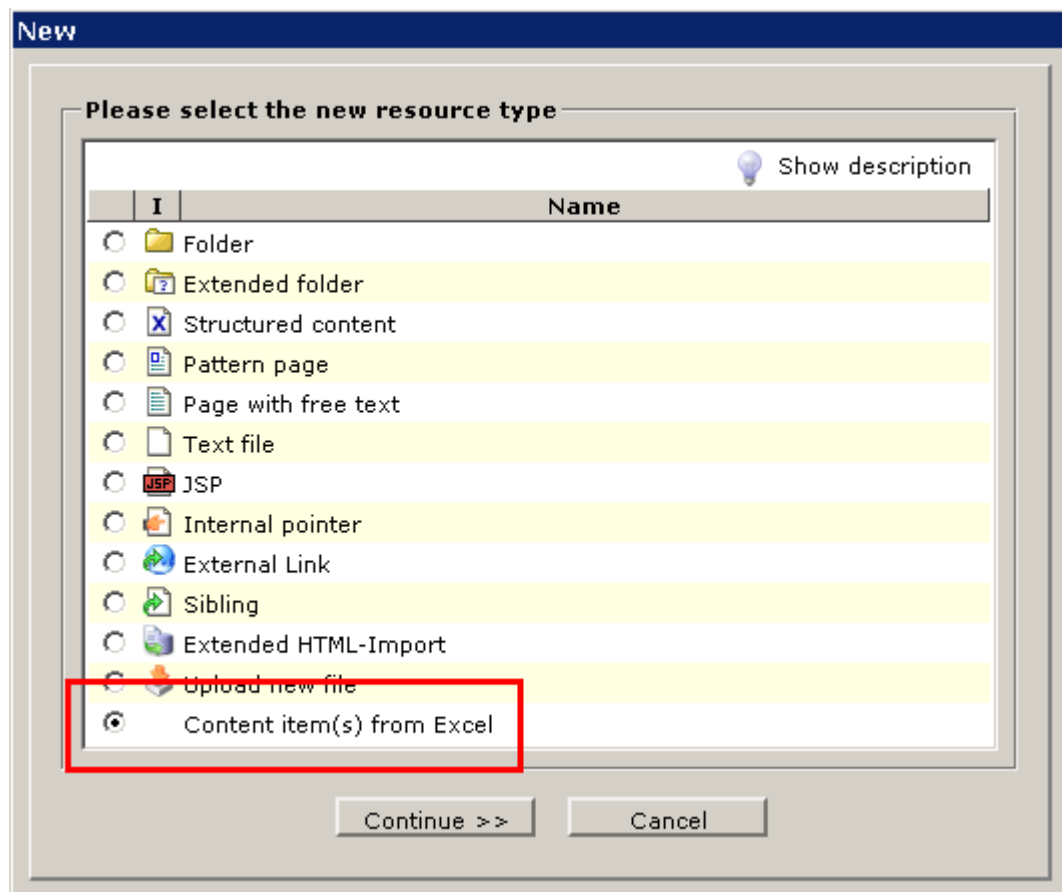


Image 2: "New" wizard dialog of OpenCms

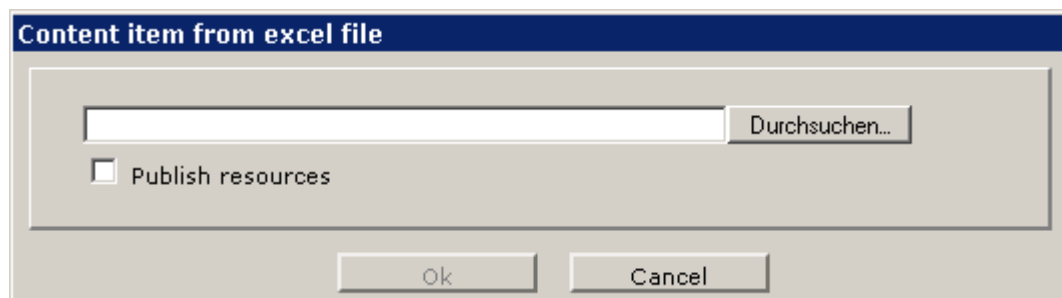


Image 3: Excel file import