



Alkacon



## OpenCms Days 2009

Conference Opening Keynote:  
***OpenCms 7.5 and Beyond***

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CEO Alkacon Software GmbH



Welcome



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**WILLKOMMEN!**

Benvenuto!

- Welcome to OpenCms Days 2009

**¡Bienvenido!**

**Welcome!**



# OpenCms Days Sponsors



- What has happened in the last 12 (13) months?
- Economic Recession stroke
- Customers did reduce their budgets
- Many IT projects have been postponed or cancelled
- But: Analysts see OSS as a great cost saving opportunity



## 10 Smart Ways to Cut IT Costs During a Recession

*Look for open-source options*

David Hakala, [itmanagement.com](http://itmanagement.com)

## Recession Is Causing Enterprises to Rethink Open-Source Strategy

Chris Preimesberger, [eweek.com](http://eweek.com)

## Recession Worries? Open Source Software Is a Great Way to Cut Costs

JT Smith, [cio.com](http://cio.com)

## Open-source software in the recession

*Open-source software firms are  
flourishing*

*The Economist* print edition

## Opensource-Anbieter zeigen sich von der Krise unbeeindruckt

Ludger Schmitz, [computerzeitung.de](http://computerzeitung.de)



- **Question:**

*Who has scaled back OpenCms projects in the past 12 months because of the economic recession?*

*– Or who has customers who did scale back?*

- **Question:**

*Who has actually started new projects with OpenCms because of the cost saving opportunities with Open Source?*

*– Or who has customers who have done so?*



- OCEE 2.1 Release August 08
- OpenCms Developer Sprint September 08
- Several Alkacon OAMP Modules published
- Member of EU IKS Project Since Q1 09
- Development of OpenCms 7.5



- Alkacon OAMP Modules published in the last 12 months:
  - Calendar Module
  - Survey Module
  - Comments Module
  - WebOpt Module
  - DocCenter Module **[NEW]**
- OAMP Modules in the pipeline:
  - UsageReport Module (recent changes RSS feed)
  - ExcelImport Module (create content from EXCEL)
  - More to come...





- OpenCms Version 7.5 has been released **today**
  - Now Available for download on [opencms.org](http://opencms.org)
- Updated Alkacon OAMP modules for OpenCms 7.5 are also available on [alkacon.com](http://alkacon.com)



- Main OpenCms 7.5 Features / Improvements
  - Image Cropping
  - Improved Galleries
  - Tabs in XML Content Editor
  - Offline Search Indexing
  - New Demo Site Content
  - Numerous Bug fixes
- Some features envisioned for 7.5 have been delayed to OpenCms 8.0
  - xsd:choice / Drag & Drop of elements





7.5

7.5

- OpenCms 7.5 Live Demo

7.5

7.5



# OpenCms 7.5 Demo (1)

New "Flowers" Demo Content



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Wonderful World of Flowers - Mozilla Firefox

Datei Bearbeiten Ansicht Chronik Lesezeichen Extras Hilfe

Alkacon OpenCms 7.5.0 Demo Website Wonderful World of Flowers Search OpenCms

Welcome to OpenCms Release Notes OpenCms Demo Alkacon Documentation

OpenCms Demo [EN] » Starting page

### Starting page

- Flower Today
- Flower Dictionary
- Flower View
- Flower Extranet
- Widget demo
- OAMP Demo

### Starting page

The startpage is based on a structured content for articles. Such types can be defined by yourself for editing and rendering structured contents.

As part of the structured information, there is a definition which additional side elements ("boxes") are displayed in the right, left or center column.

## Wonderful World of Flowers

Wonderful World of Flowers presents the most spectacular and amazing stories about flowers from around the world. Entertaining and with lots of useful information. Let us take you into the adventurous world of flowers around the globe!

**This is done with Lucene.**

### Overview

- Below **Flower Today** you will find all up-to-date news and information about flower-related events.
- The **Flower Dictionary** provides in-depth information about different flower types.
- Within **Flower View**, you find articles and entertaining contributions about flowers.
- If you already have access, you can find additional information inside our extranet, **Flower Extra**.

### Flower isn't equal to Plant!


Did you know that's wrong to name a flower also as a plant?  
No ??

So you will find here **additional information!** Make sure to visit our pages with detailed information about the **various flower types**, too.

### Recent news

#### Cooking with flowers


Jan 5, 2009



New edition will be released in 2009. More than 100 new recipes and lots of useful tips for planting. Jekka McVicar, expert herb grower and best-selling author, examines 50 flowers, with tips on how to grow them in your garden, or in containers, and when to harvest. Showing which parts of the flowers are the tastiest and which should be removed, Jekka provides at least 2 recipes for each flower.

#### Transportationbag for Christmastrees

Dec 10, 2008

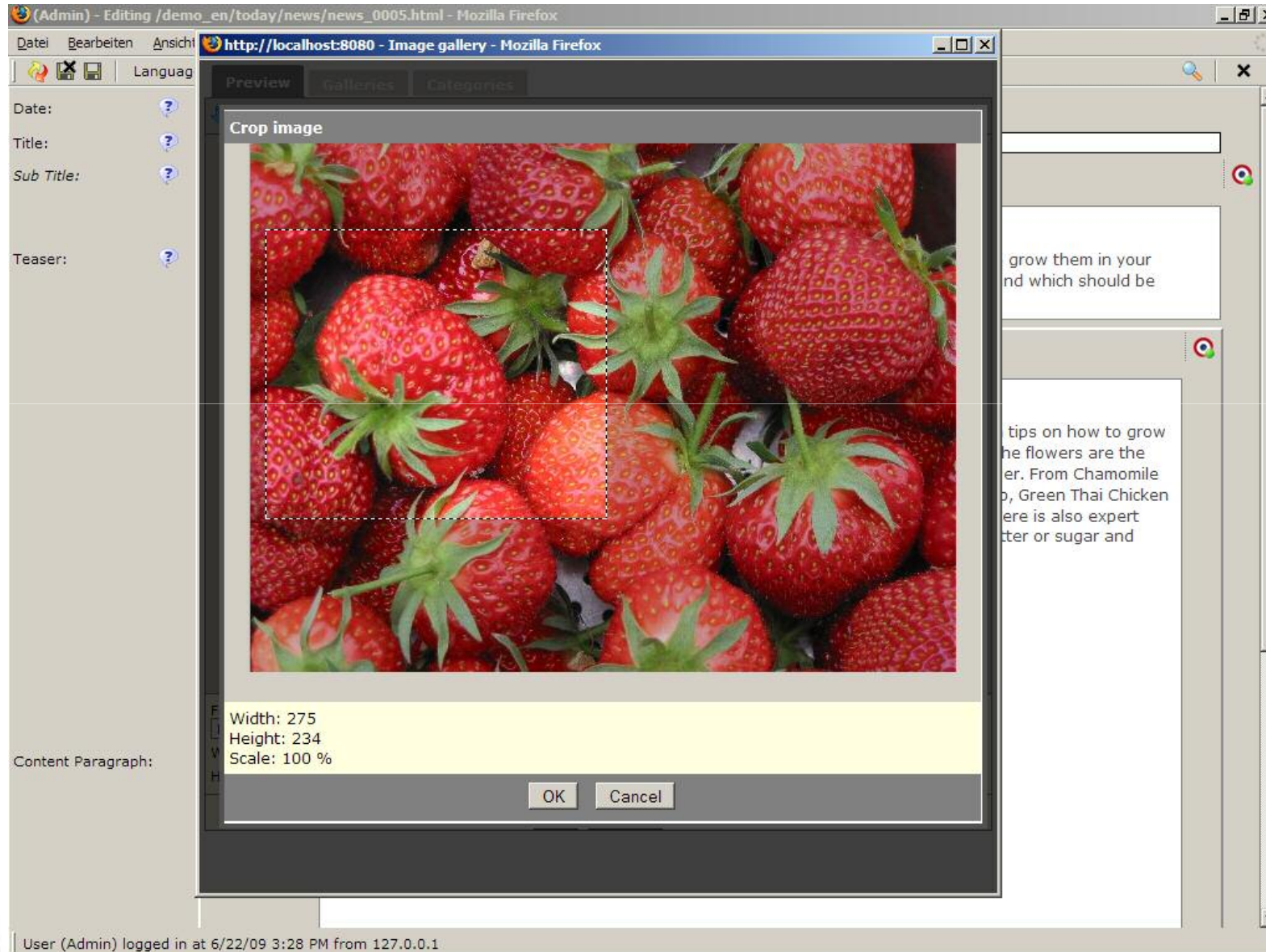


Since this season, carrying bags for christmas



# OpenCms 7.5 Demo (2)

## Integrated Image Cropping



The screenshot shows the OpenCms 7.5 administration interface. A 'Crop image' dialog box is open, displaying a photograph of strawberries. A dashed white box indicates the selected crop area. Below the image, the following dimensions are shown:

- Width: 275
- Height: 234
- Scale: 100 %

At the bottom of the dialog are 'OK' and 'Cancel' buttons. The background shows a content editor with a 'Content Paragraph' field containing text about growing strawberries.



# OpenCms 7.5 Demo (3)

Improved Ajax Galleries



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**Download Gallery**

Galleries Categories

Show galleries Publish changes Upload

**Dokumente**  
/demo\_de/extra/extranet/dokumente/

	<b>alkacon_opencms_services_de</b> alkacon_opencms_services_de.pdf	11/9/08 5:10 PM	195 kb
	<b>alkacon_opencms_services_en</b> alkacon_opencms_services_en.pdf	11/9/08 5:10 PM	189 kb
	<b>excelsheet</b> excelsheet.xls	2/29/08 3:57 PM	17 kb
	<b>opencms-days</b> opencms-days.pdf	2/29/08 3:57 PM	132 kb
	<b>worddocument</b> worddocument.doc	2/29/08 3:57 PM	23 kb

**Information**

Title: excelsheet  
Name: excelsheet.xls Target: Same window

Cancel

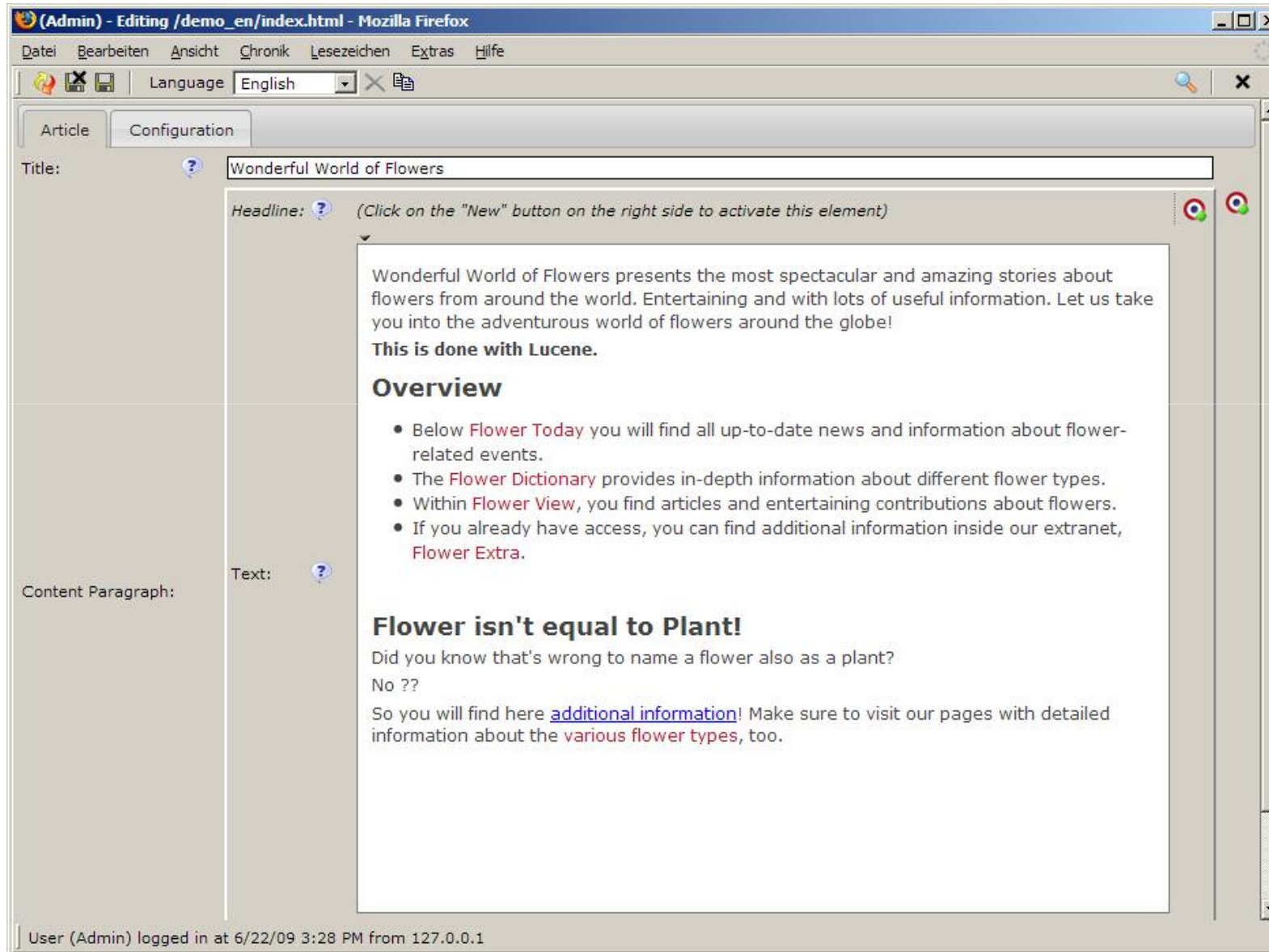
User (Admin) logged in at 6/22/09 3:28 PM from 127.0.0.1



# OpenCms 7.5 Demo (4)

Tabs in the XML Content Editor

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The screenshot shows the OpenCms XML Content Editor interface. The window title is "(Admin) - Editing /demo\_en/index.html - Mozilla Firefox". The menu bar includes "Datei", "Bearbeiten", "Ansicht", "Chronik", "Lesezeichen", "Extras", and "Hilfe". The language is set to "English". The interface has two tabs: "Article" and "Configuration". The "Configuration" tab is active, showing the following fields:

- Title:** Wonderful World of Flowers
- Headline:** (Click on the "New" button on the right side to activate this element)
- Content Paragraph:** Wonderful World of Flowers presents the most spectacular and amazing stories about flowers from around the world. Entertaining and with lots of useful information. Let us take you into the adventurous world of flowers around the globe!  
**This is done with Lucene.**  
**Overview**
  - Below **Flower Today** you will find all up-to-date news and information about flower-related events.
  - The **Flower Dictionary** provides in-depth information about different flower types.
  - Within **Flower View**, you find articles and entertaining contributions about flowers.
  - If you already have access, you can find additional information inside our extranet, **Flower Extra**.
- Text:**  
**Flower isn't equal to Plant!**  
Did you know that's wrong to name a flower also as a plant?  
No ??  
So you will find here [additional information](#)! Make sure to visit our pages with detailed information about the **various flower types**, too.

At the bottom of the window, a status bar indicates: "User (Admin) logged in at 6/22/09 3:28 PM from 127.0.0.1".



# OpenCms 7.5 Demo (5)

Offline search indexing without publishing



The screenshot shows the OpenCms Administration interface in a Mozilla Firefox browser window. The address bar shows `http://localhost:8080 - OpenCms Workplace of (Admin) - Mozilla Firefox`. The breadcrumb navigation is `Administration View > Search Management > Index overview > Edit`. The main content area is titled `Edit` and contains a `Settings` form for the search index `Offline project EN (VFS)`. The form includes the following fields:

- `Name :` Offline project EN (VFS)
- `Rebuild mode :` A dropdown menu with options `offline`, `auto`, `manual`, and `online`. The `offline` option is currently selected.
- `Locale :` A dropdown menu with options `offline` and `online`.
- `Project :` A dropdown menu with options `offline` and `online`.
- `Field configuration :` A dropdown menu with the option `standard`.

At the bottom of the form are `Ok` and `Cancel` buttons. On the left side of the interface is a navigation menu with the following items:

- Project Management
- Publish Queue
- Account Management
- Database Management
- Module Management
- File History
- Link Validation
- Gallery Overview
- Search Management
- Scheduled Jobs
- Cache Administration
- Content Tools
- Workplace Tools
- OAMP Webform

The status bar at the bottom of the browser window indicates: `User (Admin) logged in at 6/22/09 3:28 PM from 127.0.0.1`





# OpenCms 7.5 Demo (6)

New DocCenter & other OAMP Modules



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Categories - Mozilla Firefox

Datei Bearbeiten Ansicht Chronik Lesezeichen Extras Hilfe

**OpenCms 7.5.0 Demo Website** Categories Search

Welcome to OpenCms Release Notes OpenCms Demo Alkacon Documentation

OpenCms Demo [EN] » OAMP Demo » OAMP DocCenter » Categories

Welcome to the Alkacon OAMP DocDenter.

You can define the default sort order for each folder in the Document Center.  
This folder is sorted by size.

Search ...

**OAMP DocCenter » Categories**

Name	Type	Size ▾	Modified	Created
Sub Category2			6/8/09	6/8/09
Sub Category1			6/8/09	6/8/09
alkacon_opencms_services_de		196kb	11/9/08	2/27/08
alkacon_opencms_services_en		190kb	11/9/08	2/27/08
opencms-days		133kb	2/29/08	6/8/09
opencms-days		133kb	2/29/08	2/27/08
worddocument		24kb	2/29/08	2/28/08
excelsheet		17kb	2/29/08	2/28/08

You can also define a custom text below the displayed documents.

Build with OpenCms - The Open Source CMS, provided by Alkacon Software - The OpenCms Experts



- Support for Java 1.4 discontinued with OpenCms release 7.5
  - Support from SUN for Java 1.4 also discontinued
  - JDK 6 already available since 2006
  - JDK 7 planned for early 2010
- New language features of JDK 5 not used so far in OpenCms 7.5 core
  - Issue is keeping backward compatibility
  - New methods / features developed for 8.0 will make use of Java generics etc.
  - We need to make a decision regarding often used API calls



- **Question (for Developers):**  
*What about the API calls e.g. in the **org.opencms.file.CmsObject** and other often used objects? Should we for future OpenCms Versions...*
  - *A) Keep all existing method signatures as they are for maximum backward compatibility*
  - *B) Change the method signatures to use generics (i.e. typed lists) for better API usability*



- **Question:**

*Who knows what Alkacon OCEE is?*

- OpenCms Enterprise Extensions
  - Set of Commercial OpenCms Modules from Alkacon
- Many large scale OpenCms installations use Alkacon OCEE in order to improve performance and scalability
    - LDAP Connector
    - Database Accelerator
    - Clustering
    - Data Replication



- Current OCEE Version is 2.1
  - Central Cluster Configuration
  - Multi-Stage DB Replication
  - Further Improvements in performance with OCEE Accelerator
  - **Fully compatible with OpenCms 7.5**
- OCEE Version 2.5
  - To be released end of Q3 / 2009
  - New feature: **Single Sign On (SSO) Support**
    - Tested with MS Active Directory (Kerberos), CAS



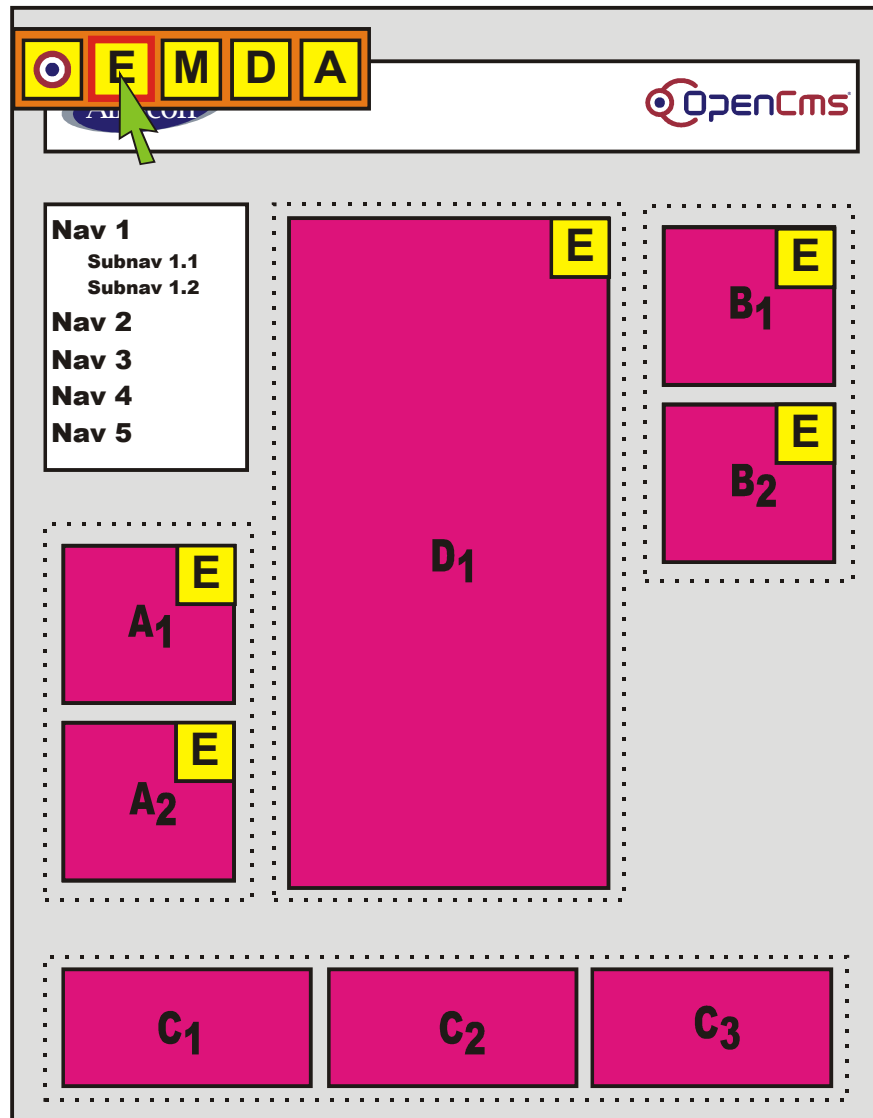
- OpenCms 7.5 is a maintenance release with some new features
  - Functionality improvements
  - API and database structure almost unchanged
- OpenCms 7.0 users should update to 7.5 as soon as possible
  - Lots of reported issues from 7.0 fixed
- OpenCms 8.0 will be the next major release
  - Focus will be on providing new features
  - 8.0 will introduce several new usage concepts



- OpenCms 8.0 will focus on content manager usability improvements
- We will introduce the “Advanced Direct Edit” (or ADE) mode
  - With ADE, Content managers will be able to do the most common tasks from the “Direct Edit” interface and not be required to use the workplace
- Project status for ADE features:
  - Financing is secured, Development is ongoing
  - See Presentation “Discovering Spain through OpenCms” tomorrow to learn about our sponsors plans with the new features



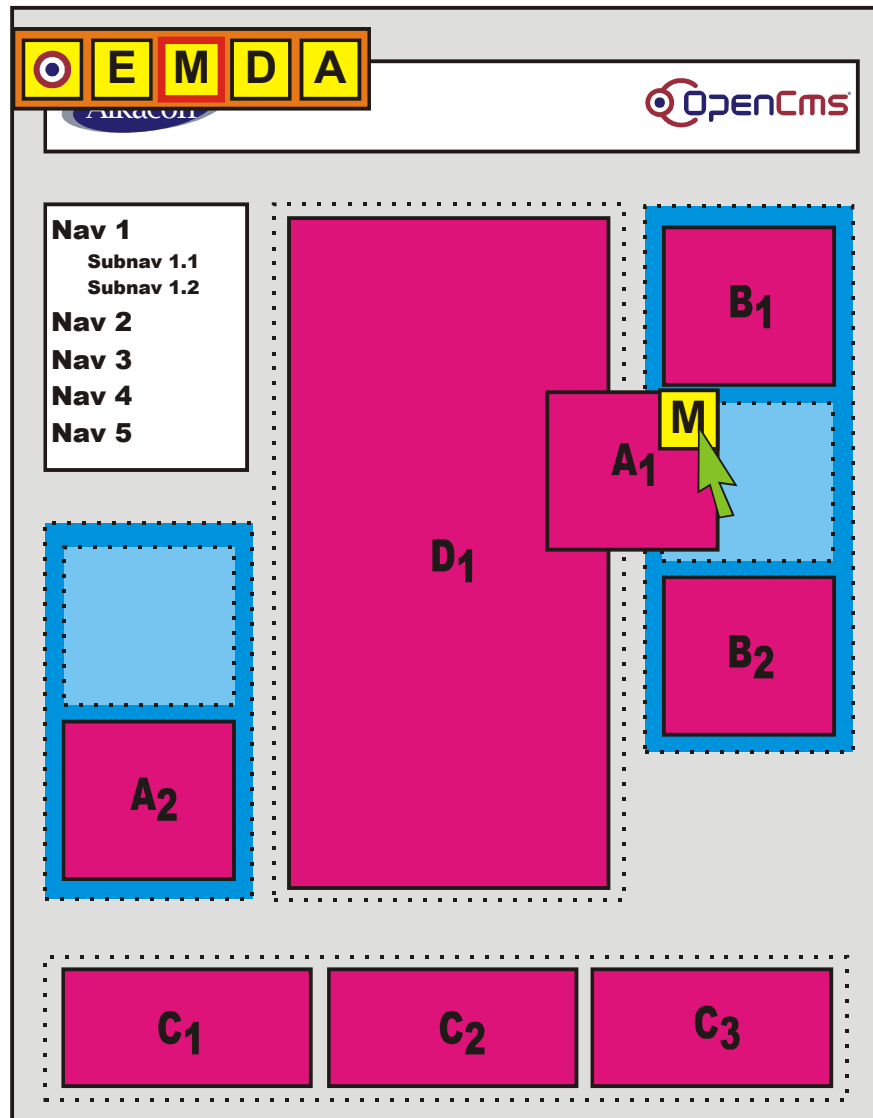
# OpenCms 8 ADE Mode



- Selecting E (Edit mode) on the ADE menu displays the edit symbol for all elements that have editable content.
- Editing an element will bring up the XML content editor much like in version 7.5.



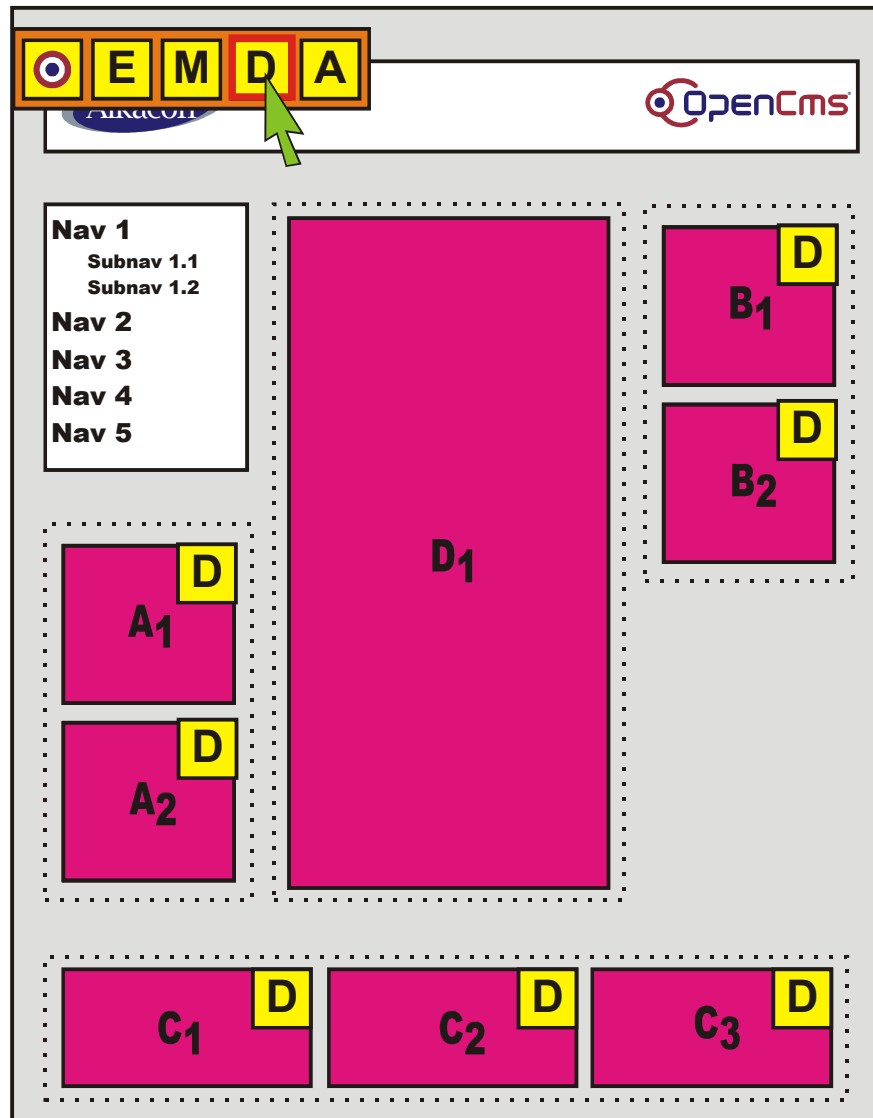
# OpenCms 8 ADE Mode



- Selecting M (Move mode) on the ADE menu displays the move symbol for all elements that can be moved by drag & drop.
- Possible drag & drop target zones will be highlighted if an element is moved.
- Movable elements and drag & drop target zones will be defined in the template.



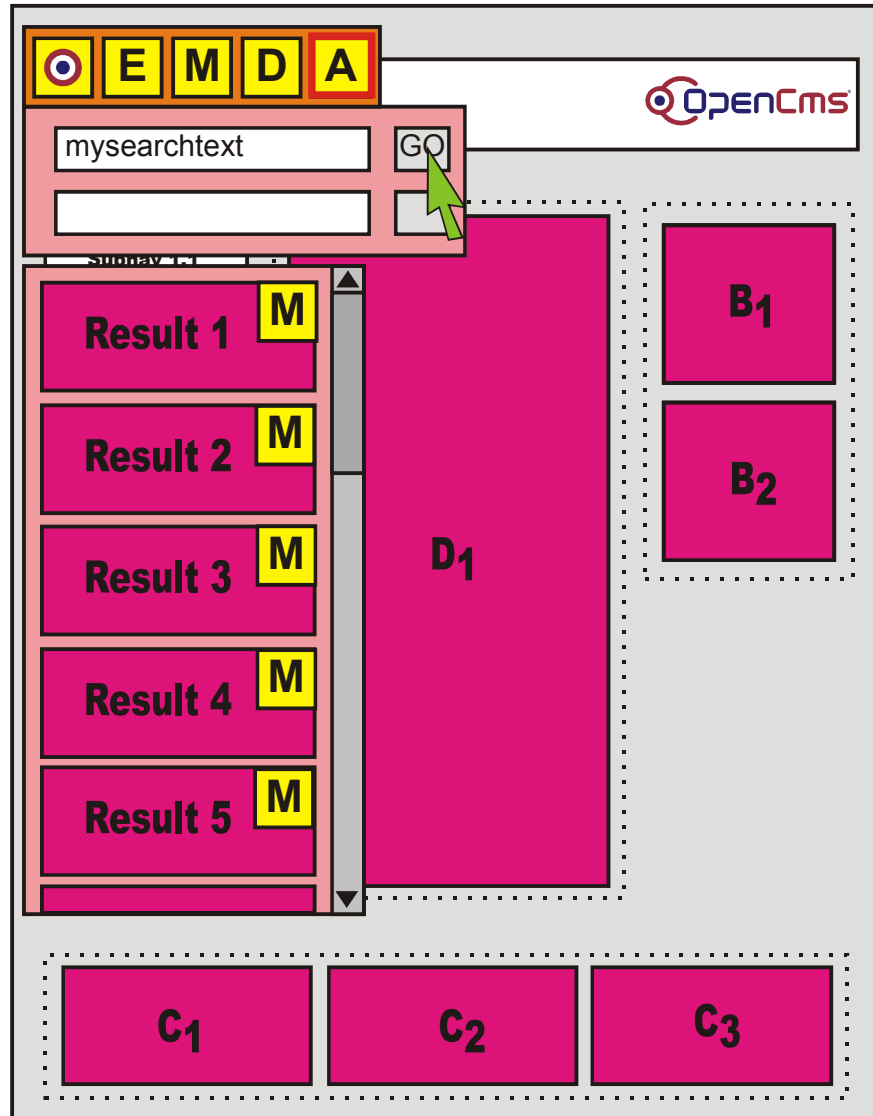
# OpenCms 8 ADE Mode



- Selecting D (Delete mode) on the ADE menu displays the delete symbol for all elements that can be deleted from a container.
- Deleting an element from a container will NOT delete this in the OpenCms file system, it will just remove this element from the current page.



# OpenCms 8 ADE Mode



- Selecting A (Add mode) on the ADE menu displays a window (HTML layer) with search options
- The following search options may be supported:
  - Search in resource tree
  - Search by category
  - Search by full text
  - ... more
- Add search results to your page with drag & drop.



- In order to use the new ADE features in OpenCms 8, we will introduce a new resource type „container page“
- A container page is a list of element references used to “arrange” the page – i.e. only pointers but no content itself
- The new ADE functions will be available only if this new type is used
- The OpenCms tag library will be extended with new tags to define drag & drop target zones in a template



- Improved **Semantic Web** Functionality will also be part of the 8.0 release
- **Question:**  
*Who knows what „Semantic Web“ means?*
  - “The Semantic Web is not a separate Web but an extension of the current one, in which information is given well-defined meaning, better enabling computers and people to work in cooperation.” (Tim Berners-Lee et al.)
- Alkacon participates in the **IKS Project**
  - EU Project about semantic web technologies
  - Please see the session “The IKS Project and OpenCms” by Andreas Gruber later today



- One of the first steps will be integration of semi-automatic Microformat markup for OpenCms 8.0
- **Question:**  
*Who knows what „Microformats“ are?*
  - “A microformat is a web-based approach to semantic markup that seeks to re-use existing XHTML and HTML tags to convey metadata and other attributes.” (Wikipedia)



- OpenCms 8.0 additional planned core and API improvements:
- JPA integration for supporting multiple Databases
  - Already available for 7.5 as external module, see JPA session with Georgi Naplatanov tomorrow
- Scripting language support
  - Already available as external module presented at OpenCms Days 2008 by Sebastian Humberger



- Features we also want to include in OpenCms 8.0:
- Workflow integration
  - Based on JBPM
- Repository Standards compatibility
  - JSR 170 or CMIS





- **Question:**  
*Which repository standard do you think is more important to include in OpenCms 8.0*
  - A) JSR 170
  - B) CMIS
  - C) *I don't know what this guy is talking about*



- OpenCms 8.0 Release Timeline
  - First 8.0 Alpha until December 2009
    - Will include most aspects of ADE Drag & Drop functionality
  - Beta end of Q2 2010
    - Mostly feature complete
  - Release Candidate Q3 2010
  - OpenCms 8.0 Final Release in Q4 2010
- **Disclaimer:**  
**Feature list and timeline subject to change**



**QUESTIONS ?**

Fragen?

- Any Questions?

**¿Preguntas?**

**Questiones?**



**Thank you very much for your attention**

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<http://www.alkacon.com>

<http://www.opencms.org>

