OpenCms Days 2009

Conference Opening Keynote: 
*OpenCms 7.5 and Beyond*

Alexander Kandzior,
CEO Alkacon Software GmbH
Welcome!

WILLKOMMEN!

Benvenuto!

- Welcome to OpenCms Days 2009

¡Bienvenido!

Welcome!
Looking back

• 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

Recession Is Causing Enterprises to Rethink Open-Source Strategy

Chris Preimesberger, eweek.com

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

JT Smith, cio.com

Opensource-Anbieter zeigen sich von der Krise unbeindruckt

Ludger Schmitz, computerzeitung.de

Open-source software in the recession

Open-source software firms are flourishing

The Economist print edition
Some Questions

• **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?
Alkacon past year activities

- 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

- 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 Release 7.5

- OpenCms Version 7.5 has been released today
  - Now Available for download on opencms.org

- Updated Alkacon OAMP modules for OpenCms 7.5 are also available on alkacon.com
OpenCms Release 7.5

- 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
OpenCms 7.5

- OpenCms 7.5 Live Demo
OpenCms 7.5 Demo (1)

New “Flowers” Demo Content

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.
OpenCms 7.5 Demo (2)
Integrated Image Cropping
OpenCms 7.5 Demo (3)
Improved Ajax Galleries
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OpenCms 7.5 Demo (5)
Offline search indexing without publishing
Welcome to the Alkacon OAMP DocCenter.

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

Search for: `New documents` [Search]

### OAMP DocCenter » Categories

<table>
<thead>
<tr>
<th>Name</th>
<th>Type</th>
<th>Size</th>
<th>Modified</th>
<th>Created</th>
</tr>
</thead>
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<tr>
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<td></td>
<td></td>
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<td></td>
<td>17kb</td>
<td>2/20/08</td>
<td>2/28/08</td>
</tr>
</tbody>
</table>

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

- 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
Alkacon OCEE

• **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
Alkacon OCEE

- **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
From Release 7.5 to 8.0

- 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 Release 8.0

- 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
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.
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.
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.
• 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.
OpenCms Release 8.0

- 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 Release 8.0

- 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 Himberger
Features we also want to include in OpenCms 8.0:

- Workflow integration
  - Based on JBPM

- Repository Standards compatibility
  - JSR 170 or CMIS
Tech Question

- **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 Release 8.0

- **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

Alexander Kandzior
Alkacon Software

http://www.alkacon.com
http://www.opencms.org