



A non-technical, business
introduction to OpenCms 6

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Alkacon OpenCms overview

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- OpenCms is a Website Content Management System
- First public release in March 2000
- Version 5.0 (stable) released May 2003
- Version 6.0 (stable) released June 2005
- Current Version 6.2 released March 2006
- OpenCms is true Open Source Software
- OpenCms is available under the LGPL license
- No licensing costs
- OpenCms can be freely downloaded from the project's website: <http://www.opencms.org>



Alkacon OpenCms overview (2)

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- Especially suited to build company websites and intranets
- Build for the needs of medium-large enterprises with existing IT infrastructure
- Most features developed according to “real world” customer requirements
- Highly flexible and customizable
- Written in 100% Java
- Uses many proven components from the open source Java community



Alkacon OpenCms overview (3)

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- Open source development effort for core system lead by Alkacon Software GmbH
- Active development community
 - 1000+ mailing list subscribers
- Widespread commercial support
 - About 100 official “Solution Providers”
 - 200+ web companies offer support
- Fair amount of documentation available
 - Book on OpenCms written/edited by community members, revised edition under way
 - Interactive documentation / examples



Alkacon OpenCms overview (4)

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- Soft & Hardware requirements
 - Software: Open Source to „High End“
 - e.g. Linux + Tomcat + MySQL
 - e.g. Win NT + IIS + Tomcat + MS SQL
 - e.g. Solaris + BEA + Oracle
 - Hardware: High flexibility
 - Runs on a notebook computer
 - Standard configuration:
Normal Intel PC, 2Ghz CPU, 1 GB Ram
 - Other: SUN Sparc, cluster configuration possible
- Installation is wizard based for default components (e.g. Tomcat, MySQL / Oracle), takes just 5 minutes



OpenCms 6.0 main features

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- Direct Edit of content from the front end of the website
- Automatic Online / Offline workflow
- Flexible content repository
- Integrated full text search engine
- WYSIWYG Editor for “unstructured” content
- Easy definition of XML based content items for “structured content”



OpenCms 6.2 improvements

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- Multiple selections and operations in the Workplace Explorer
- Native image scaling and manipulation, Photo album
- Visual comparison of document versions
- Integration of the popular FCKeditor for WYSIWYG editing
- Extended editor for structured contents
- Improved search index administration



OpenCms 6 more features

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- Manage multiple sites in one installation
- Full text search also in PDF, Word, Excel documents in repository
- Configurable meta information (properties) for all repository resources
- Time based automatic content release / expiration
- Full support for Unicode content
- ACL permission system
- Optional static export of HTML
- JSP based template mechanism
- Templates are version controlled



OpenCms 6 other features

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- Advanced multi language support
- Web browser based application
- Full control over the output layout
- Integrated user management
- Project based workflow
- All XML content is schema validated
- Task management
- Version control of content
- History of changes
- XML based content import / export
- Multi path resource access through siblings
- Dynamic page rendering
- Link checking
- Combination of static and dynamic content
- Fully database driven
- Non-GUI shell access to document repository
- Powerful log file configuration
- Open module API for extensions
- ...



Screenshots of Highlights



Demo Screenshot 1: The Explorer - View



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OpenCms Workplace of Admin@localhost - Microsoft Internet Explorer

Project Offline Publish project Site /sites/default/ View Explorer Reload Preferences Help Exit OpenCms

Back Upload New Level Up Location /

Name	Title	Type	Size	Date last modified	Date released	Date expired
demopages	Templateone Demo Pages	microsite		6/27/05 10:00 AM	-	-
modulesdemo	Modules demo pages	microsite		6/27/05 10:00 AM	-	-
release	OpenCms release notes and welcome pages	folder		6/27/05 10:00 AM	-	-
Lock	OpenCms training course material (c) Alkacon Software	folder		10/27/04 11:36 AM	-	-
Publish directly	XML content Demo Pages	microsite		12/14/05 4:01 PM	-	-
Copy	Welcome to OpenCms	jsp	2697	6/27/05 10:00 AM	-	-

user Admin logged in at 3/23/06 4:20 PM from 127.0.0.1

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Demo Screenshot 2: The WYSIWYG Editor



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Welcome to the OpenCms 6.0 "templateone" demo

This page (and all other pages using this layout) are made using the "templateone" template. This is a full featured OpenCms 6.0 template with additional functions like full text search and automatic navigation building. This template is intended to demonstrate the OpenCms 6.0 capabilities as well as serve as an extended example base to create own template variations.

Please note: This template has been developed in a "real life" project. It should provide a usable "out-of-the-box" template in case you do not want to invest time to create an individual OpenCms template yourself. But this template is not suitable for beginners to learn basic OpenCms template development, it has a complex structure due to the advanced functions. To learn how to develop simple JSP templates from scratch, you should have a look at the "Welcome / Release notes template".

Feedback to the functionality of this template is most welcome.

Image Name	Thumbnail	Dimensions / Size
head_img.jpg	[head_img.jpg]	800*60 px / 6 kb
Alkacon logo_alkacon_150_t.gif	[logo_alkacon_150_t.gif]	150*54 px / 4 kb
OpenCms logo_opencms_150.gif	[logo_opencms_150.gif]	150*38 px / 3 kb

user Admin logged in at 3/23/06 4:20 PM from 127.0.0.1

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Demo Screenshot 3: Direct Editing of Contents



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The screenshot shows a Microsoft Internet Explorer browser window displaying the OpenCms XML content demo page. The browser's address bar shows the URL: `http://localhost:8080/opencms-dev/opencms/xmlcontentdemo/list.jsp#`. The page features a navigation menu with links for HOME, TEMPLATEONE DEMO PAGES, MODULES DEMO PAGES, XML CONTENT DEMO, and RELEASE NOTES. A search bar is located in the top right corner. The main content area is titled "Simple XML content demo page" and contains two sample articles. Each article has a yellow background and is accompanied by a set of editing widgets (a red target icon, a red 'X' icon, and a green '+' icon). The first article is titled "Sample article 1" and the second is titled "This is the article 2 sample". A sidebar on the right contains a "List demo" menu and an "XML content Highlights" section. The footer of the page includes links for "Accessible Version" and "Imprint".

START PAGE ALKACON SOFTWARE GMBH OPENCMS.ORG REFERENCE SITES SOLUTION PROVIDERS

HOME | TEMPLATEONE DEMO PAGES | MODULES DEMO PAGES | XML CONTENT DEMO | RELEASE NOTES

- List demo
 - Scriptlet list demo
 - Tree Read Demo
 - Sub tree folder
 - cms:include Test
 - Nested XML Content
 - Widget Demo
 - Side Element Demo

Simple XML content demo page

This is a simple JSP page that shows how to use the new **XML content** feature of OpenCms 6.0. The list below is dynamically generated from XML content objects maintained in the OpenCms VFS. This text here can also be edited in the WYSIWYG editor.

Sample article 1

This is the teaser or the first sample article.
By Alkacon Software GmbH [read more...](#)

This is the article 2 sample

This is the sample article number 2. This is just a demo teaser.
By Alkacon Software GmbH [read more...](#)

Above you see a list dynamically generated using xmlcontent objects.

Please note: A powerful option of OpenCms 6.0 is to create such a list as a page element, and include this element in your template. Click [here](#) to see such a page in action.

XML content Highlights

Among the many uses for the OpenCms 6.0 XML content are:

Automatic editor generation with multiple widgets. Check out the [Widget Demo](#) to see all available widgets in action.

It's possible to "nest" OpenCms XML content, i.e. one XML content definition can include another. See the [Nested XML Content](#) example.

Accessible Version Imprint

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Demo Screenshot 4: The XML Content Editor



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The screenshot shows the OpenCMS XML Content Editor interface within a Microsoft Internet Explorer browser window. The browser title is "(Admin) - Editing - Microsoft Internet Explorer". The address bar shows the URL: `http://localhost:8080/opencms/opencms/system/workplace/editors/editor.jsp`. The interface includes a menu bar with "Datei", "Bearbeiten", "Ansicht", "Favoriten", and "Extras". Below the menu is a toolbar with various icons for navigation and editing. The main content area is divided into several sections:

- Title:** A text input field containing "Sample article 1".
- Teaser text [1]:** A text input field containing "This is the teaser or the first sample article."
- Teaser text [2]:** A text input field containing "Enter the teaser of the article here...".
- Article text:** A large text area containing:
 - A paragraph: "This is the article 1 text"
 - A paragraph: "Duis autem vel eum *iriure dolor* in hendrerit in vulputate velit esse molestie consequat, vel illum dolore eu feugiat nulla facilisis at vero et accumsan et iusto odio dignissim qui blandit praesent luptatum zzril delenit augue dui dolore te feugait nulla facilisi."
 - A list of three items:
 1. Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed diam nonummy nibh euismod tincidunt ut laoreet dolore magna aliquam erat volutpat.
 2. Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed diam nonummy nibh euismod tincidunt ut laoreet dolore magna aliquam erat volutpat.
 3. Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed diam nonummy nibh euismod tincidunt ut laoreet dolore magna aliquam erat volutpat.
 - A paragraph: "Duis autem vel eum iriure dolor in hendrerit in vulputate velit esse molestie consequat, vel illum dolore eu feugiat nulla facilisis at vero et accumsan et iusto odio dignissim qui blandit praesent luptatum zzril delenit augue dui dolore te feugait nulla facilisi."
- Release date:** A date and time input field showing "2/1/2005 8:00 PM".
- Author:** A text input field containing "Alkacon Software GmbH".

At the bottom of the page, there is a status bar showing "user Admin logged in at 3/23/06 4:20 PM from 127.0.0.1" and a "Lokales Intranet" icon.



Demo Screenshot 5: ACL permission screen



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OpenCMS Workplace of Admin@localhost - Microsoft Internet Explorer

Project Offline Publish project Site /sites/default/ View Explorer Reload Preferences Help Exit OpenCMS

Back Upload New Level Up Location /

/sites/default/
demopages
modulesdemo
release
training
 lesson01
 lesson02
 lesson03
 lesson04
 lesson05
 lesson06
 lesson07
 lesson08
 articles
 images
 lesson09
 lesson10
 lesson11
 lesson12
 solutions
xmlcontentdemo

Change permissions: release

Select view:

There are no responsables for this resource.

User permissions

Inherited from parent folders

- Guests** (+r+v-l)
- Administrators** (+r+w+v+c+d-l)
- Projectmanagers** (+r+w+v+c+d-l)
- Users** (+r+w+v+c-l)

Group

Resource permissions

Permission	Allowed	Denied
Direct Publish	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Read	<input type="checkbox"/>	<input type="checkbox"/>
Write	<input type="checkbox"/>	<input type="checkbox"/>
Control	<input type="checkbox"/>	<input type="checkbox"/>
View	<input type="checkbox"/>	<input type="checkbox"/>
Responsible	<input type="checkbox"/>	<input type="checkbox"/>
Overwrite inherited	<input type="checkbox"/>	<input type="checkbox"/>
Inherit on subfolders	<input checked="" type="checkbox"/>	<input type="checkbox"/>

user Admin logged in at 3/23/06 4:20 PM from 127.0.0.1

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Add a user/group access control entry - Micros...

Resource permissions

- Administrators
- Guests
- Projectmanagers
- Users

Available users

- Admin
- Export
- Guest



Demo Screenshot 6: Full text search results



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The screenshot shows a Microsoft Internet Explorer browser window displaying the search results for 'opencms+xml' on the OpenCms website. The browser's address bar shows the URL: http://localhost:8080/opencms-dev/opencms/system/modules/org.opencms.frontend.templateone/pages/search.html. The page features a navigation bar with links to 'START PAGE', 'ALKACON SOFTWARE GMBH', 'OPENCMS.ORG', 'REFERENCE SITES', and 'SOLUTION PROVIDERS'. The main content area is titled 'Search in area OpenCms Xml Content Demo' and contains a search input field with the text 'opencms+xml' and a 'Search' button. Below the search results, there are three entries:

- New features of this release (100%)**: XML content Highlights Among many uses OpenCms 6.0 XML content Automatic editor generation multiple ... possible nest OpenCms XML content i.e. one ... XML content definition can include another See Nested ... XML Content example XML content can used RAD ... OpenCms See Email Form Editor example OpenCms 6/27/05 10:00 AM
- Page using a sample side element (60%)**: vel illum page demonstrates list editable XML content ... elements right side Using XML content you able quickly ... OpenCms template programming knowledge Using templates ... Lorem ipsum element 3 content element shown row 2 column 1 classic layout Lorem ipsum dolor sit amet consectetur adipiscing ... elit sed diam nonummy nibh euismod tincidunt ut laoreet 12/14/05 3:47 PM
- Contents for detail view (48%)**: Please do read ok may late already tell you Simple XML ... feature OpenCms 6.0 list below dynamically generated ... from xmlcontent objects maintained OpenCms VFS ... page has been dynamically generated using xmlcontent objects You can also edit text which appear foot every xmlcontent article ... WYSIWYG editor text only exists example has real meaning 6/27/05 10:00 AM

On the right side of the page, there is a sidebar titled 'XML content Highlights' with the following text: 'Among the many uses for the OpenCms 6.0 XML content are: Automatic editor generation with multiple widgets. Check out the [Widget Demo](#) to see all available widgets in action. It's possible to "nest" OpenCms XML content, i.e. one XML content definition can include another. See the [Nested XML Content](#) example. XML content can be used for RAD in OpenCms. See the [Email Form Editor](#)'.



Demo Screenshot 7: Photo album with scaled images



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START PAGE ALKACON SOFTWARE GMBH OPENCMS.ORG REFERENCE SITES SOLUTION PROVIDERS Search

OpenCms Alkacon

HOME | TEMPLATE ONE DEMO PAGES | MODULES DEMO PAGES | XML CONTENT DEMO | RELEASE NOTES

- List demo
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- Tree Read Demo
- Sub tree folder
- cms:include Test
- Nested XML Content
- Widget Demo
- Side Element Demo
- Demo Photo album

Demo Photo album

[<< Back](#) - Page 2 of 3 - [Next >>](#)

This example shows the usage of the OpenCms photo album module. It simplifies the integration of photos in your website by using XML contents to create a highly configurable photo album.



[<< Back](#) - Page 2 of 3 - [Next >>](#)

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Reasons for using OpenCms

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- Proven
 - Used by organizations/companies large and small all around the world
- Mature
 - In open source development since 2000
 - Current Version is 6.2
- Easy to use
 - Both WYSIWYG and structured editing, contents directly editable through the frontend
- Standards compliant
 - Uses / implements mature API standards
- Support is available
 - Currently about 100 companies worldwide have registered as official *OpenCms Solution Provider*



Reasons for using OpenCms

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- Cost saving potential
 - Compared to pricy licensing models of traditional closed source vendor products
- Open Source
 - Vendor independence especially important since “consolidation” of CMS market continues
- Fits well into existing IT infrastructure
 - Platform neutral because of Java
 - Can usually use your existing DB (e.g. Oracle)
- Good base for “make” decision
 - In case of “make or buy”
- Favorably reviewed by Analysts
 - E.g. Gartner Group recognizes OpenCms as “one of the most complete and mature of the [Open Source CMS] products reviewed” (*)

(*) Source: Gartner Group report “Roundup of Open-Source Content Management Systems, 1H04” (April 2004)



Selected OpenCms references

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- **Banking & Insurance**

LGT Bank in Liechtenstein - <http://www.lgt.com>

Banc Internacional d'Andorra i Banca Mora - <http://www.bibm.ad>

Debeka Insurance - <http://www.debeka.de>

Hypovereinsbank Group - <http://www.hvbgroup.com>

- **Retail & Consumer goods**

3M Pressnet Germany - <http://www.3m-pressnet.info>

The North Face - <http://www.thenorthface.com>

BP South Africa Ltd. - <http://www.bp.co.za>

Renault (Swiss, Austria, Portugal, ...) - <http://www.renault.ch> (.at, .pt)

- **Tourism**

The South Pacific Tourism Organisation - <http://www.spto.org>

Verkehrsbetriebe Zürich - <http://www.vbz.ch>



Selected OpenCms references

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- **Government**

DIMDI – <http://www.dimdi.de>

Bulgarian ministry of education- <http://www.minedu.government.bg>

- **Non-Profit Organizations**

Catholic Church of Cologne - <http://www.erzbistum-koeln.de>

International Paralympic Committee - <http://www.paralympic.org>

- **University & Education**

LeTourneau University - <http://www.letu.edu>

Wilberforce University - <http://www.wilberforce.edu>

Karlsruhe Institute for Information Processing Technology -

<http://www.itiv.uni-karlsruhe.de>

... and many, many more, see

<http://www.opencms.org/opencms/en/support/references/>



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