



A non-technical, business  
introduction to OpenCms 6

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March, 2006



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## Alkacon

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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

Projekt Offline Projekt veröffentlichen Site /sites/default/ Ansicht Explorer Aktualisieren Einstellungen Hilfe Abmelden OpenCms

Back Upload New Level Up Location /

Name	Title	Type	Size	Date last modified	Date created	Date released	Date expir
de		folder		22.03.06 14:47	22.03.06 14:47	-	-
demopages	Templateone Demo Pages	microsite		27.06.05 10:00	27.06.05 10:00	-	-
modulesdemo	Modules demo pages	microsite		27.06.05 10:00	27.06.05 10:00	-	-
release	OpenCms release notes and welcome pages	folder		27.06.05 10:00	27.06.05 10:00	-	-
Sperren	XML content Demo Pages	microsite		14.12.05 16:01	27.06.05 10:00	-	-
Direkt veröffentlichen	Welcome to OpenCms	jsp	2697	27.06.05 10:00	27.06.05 10:00	-	-

Kopieren  
Umbenennen/Schieben  
Löschen  
Aktualisieren  
Gültigkeit  
Änderungen verwerfen  
Berechtigungen  
Verschlüsseln  
Typ ändern  
Navigation ändern  
Eigenschaften

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http://localhost:8080/opencms-dev/opencms/system/workplace/commons/copy.jsp?resource=/release

Lokales Intranet

# 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.

OpenCms template one images (/system/galleries/pics/ocms-templateone/)		
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

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Fertig

# Demo Screenshot 3: Direct Editing of Contents



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XML content article demo page - Microsoft Internet Explorer

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

OpenCms Alkacon

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

http://localhost:8080/opencms-dev/opencms/xmlcontentdemo/list.jsp# Lokales Intranet

# Demo Screenshot 4: The XML Content Editor



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(Admin) - Editing - Microsoft Internet Explorer

Datei Bearbeiten Ansicht Favoriten Extras ?

Zurück Suchen Favoriten

Sprache Englisch

Titel: Sample article 1

Zusammenfassung [1]: This is the teaser or the first sample article.

Zusammenfassung [2]: Enter the teaser of the article here...

Text:

This is the article 1 text

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**.

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.

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.

Veröffentlichungsdatum: 1.2.2005 20:00

Autor: Alkacon Software GmbH

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http://localhost:8080/opencms-dev/opencms/system/workplace/editors/xmlcontent/editor\_form.jsp# Lokales Intranet

# Demo Screenshot 5: ACL permission screen



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OpenCms Workplace of Admin@localhost - Microsoft Internet Explorer

Projekt Offline Projekt veröffentlichen Site /sites/default/ Ansicht Explorer Aktualisieren Einstellungen Hilfe Abmelden OpenCms

Back Upload New Level Up Location /demopages/

/sites/default/  
de  
demopages  
\_configuration  
configuration  
languedemo  
photoalbum  
search-demo  
side-elements  
modulesdemo  
release  
xmlcontentdemo

### Zugriff ändern: element.html

Ansicht auswählen: Zusammenfassung Details

☐ Verantwortliche

☐ Current user permissions

☐ Von Oberordnern geerbt

☐ Guests (+r+v-l)

☐ Administrators (+r+w+v+c+d-l)

☐ Projectmanagers (+r+w+v+c+d-l)

☐ Users (+r+w+v+c-l)

Zugriffskontrolldaten hinzufügen

Gruppe

Ressourcen Berechtigungen

Nur intern abrufbar ☐ Übernehmen

Berechtigung	Erlaubt	Verboten
Direkt Publizieren	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Lesen	<input type="checkbox"/>	<input type="checkbox"/>
Schreiben	<input type="checkbox"/>	<input type="checkbox"/>
Berechtigungen Ändern	<input type="checkbox"/>	<input type="checkbox"/>
Auflisten	<input type="checkbox"/>	<input type="checkbox"/>

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### Zugriffskontrolldaten hinzufügen - Microsoft Int...

Ressourcen Berechtigungen

- Administrators
- Guests
- Projectmanagers
- Users

Verfügbare Benutzer

- Admin
- Export
- Guest

Schließen



# Demo Screenshot 6: Full text search results



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The screenshot shows a Microsoft Internet Explorer window displaying the OpenCms XML content demo page. 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: [START PAGE](#), [ALKACON SOFTWARE GMBH](#), [OPENCMS.ORG](#), [REFERENCE SITES](#), and [SOLUTION PROVIDERS](#). The OpenCms logo is on the left, and the Alkacon logo is on the right. Below the navigation bar, there is a search bar with the text "Search in area OpenCms Xml Content Demo". The search results are displayed in a list format, showing the following items:

- List demo**
  - Scriptlet list demo
  - Tree Read Demo
  - Sub tree folder
  - cms:include Test
  - Nested XML Content
  - Widget Demo
  - Side Element Demo
- 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 (50%)**

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

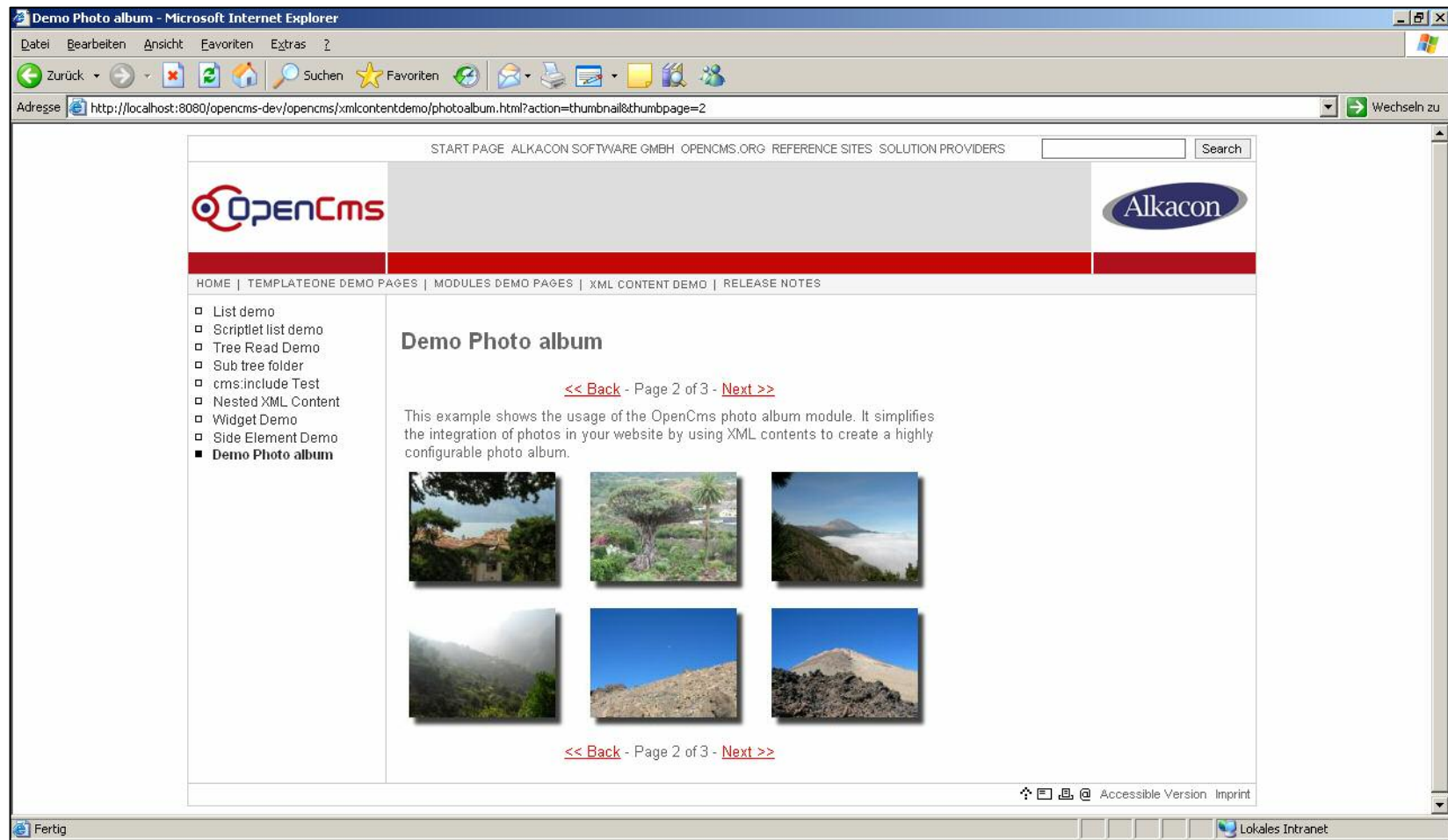
On the right side of the page, there is a section titled "XML content Highlights" with the text: "Among the many uses for the OpenCms 6.0 XML content are: Automatic editor generation with multiple widgets. Check out the [Widget Demo](#) to see all available widgets in action. It's possible to "nest" 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](#) example."

The status bar at the bottom of the browser window shows "Fertig" and "Lokales Intranet".

# Demo Screenshot 7: Photo album with scaled images



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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/>



# Alkacon OpenCms Contacts

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