



An non-technical, business introduction to OpenCms 6

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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 (alpha) released September 2004
- 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>



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



OpenCms overview (3)

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- Open source development effort for core system lead by Alkacon Software
- Active development community
 - 1000+ mailing list subscribers
- Widespread commercial support
 - More then 50 official “Solution Providers”
 - 200+ web companies offer support
- Fair amount of documentation available
 - First book on OpenCms written/edited by community members
 - Interactive documentation / examples



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 6.0 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 6.0 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 - Mozilla Firefox

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

Back Up New Location /

/sites/default/

- demopages
 - colordemo
 - _configuration
 - search-demo
 - side-elements
 - _configuration
 - release

Name	Title	Type	Size	Date last modified	Date released	Date expired
demopages	Template One demo pages	folder		9/24/04 3:54 PM	-	-
release	OpenCms release notes and welcome pages	folder		2/24/04 10:51 AM	-	-
index.html	Template One - Start	xmlpage	2830	9/24/04 5:22 PM	-	-
Lock	me to OpenCms	jsp	2614	2/24/04 11:06 AM	-	-

Lock

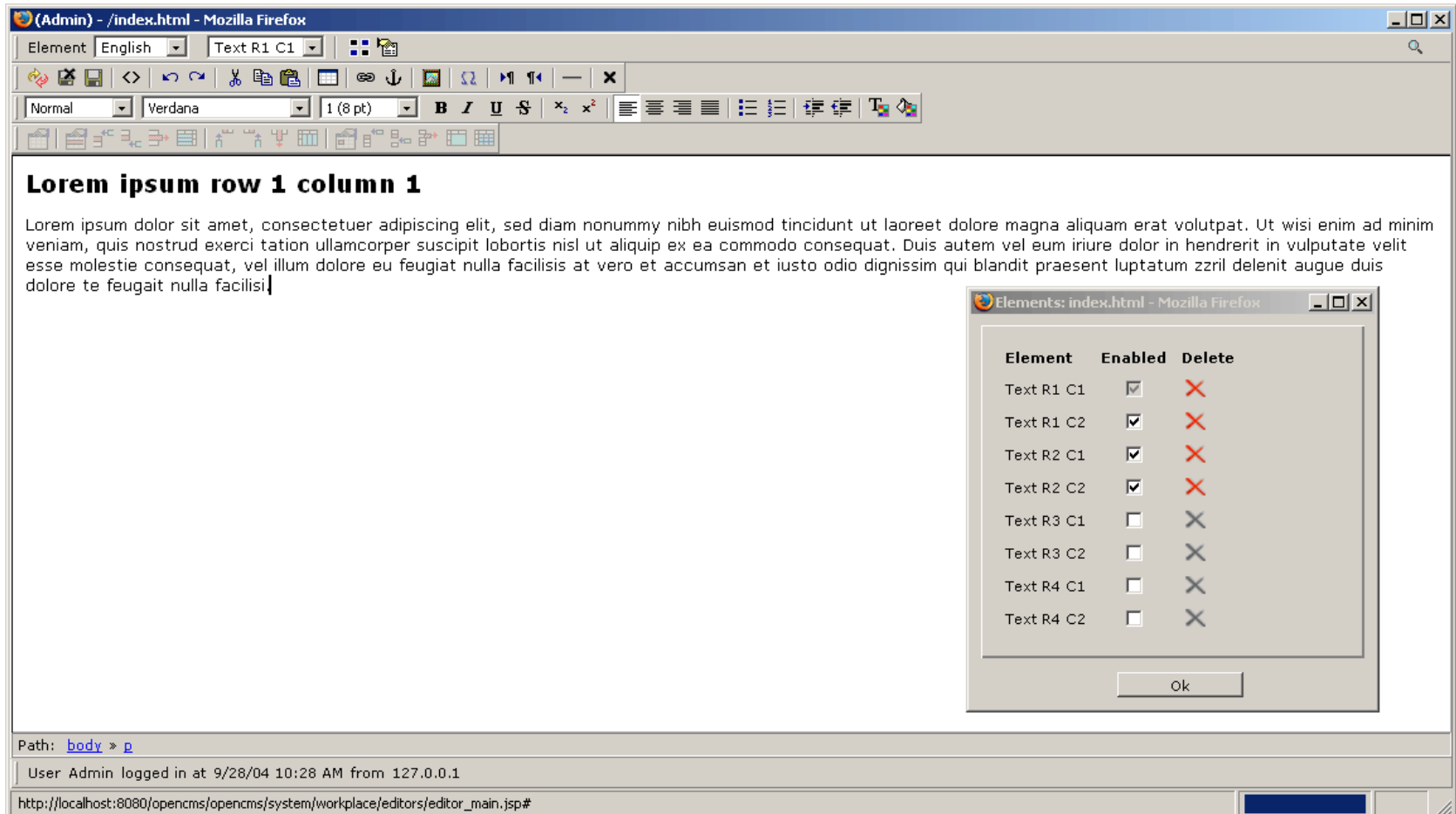
- Publish directly
- Edit page
- Edit sourcecode
- Copy
- Rename/Move
- Delete
- Touch
- Undo changes
- Show siblings
- Permissions
- Change file type
- Change navigation
- Edit controlcode
- History
- Properties

User Admin logged in at 9/28/04 10:28 AM from 127.0.0.1

Done

Demo Screenshot 2: The WYSIWYG Editor

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Element English Text R1 C1

Normal Verdana 1 (8 pt) **B** *I* U ~~S~~ x₂ x²

Lorem ipsum row 1 column 1

Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed diam nonummy nibh euismod tincidunt ut laoreet dolore magna aliquam erat volutpat. Ut wisi enim ad minim veniam, quis nostrud exerci tation ullamcorper suscipit lobortis nisl ut aliquip ex ea commodo consequat. 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

Element	Enabled	Delete
Text R1 C1	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Text R1 C2	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Text R2 C1	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Text R2 C2	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Text R3 C1	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Text R3 C2	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Text R4 C1	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Text R4 C2	<input type="checkbox"/>	<input checked="" type="checkbox"/>

Ok

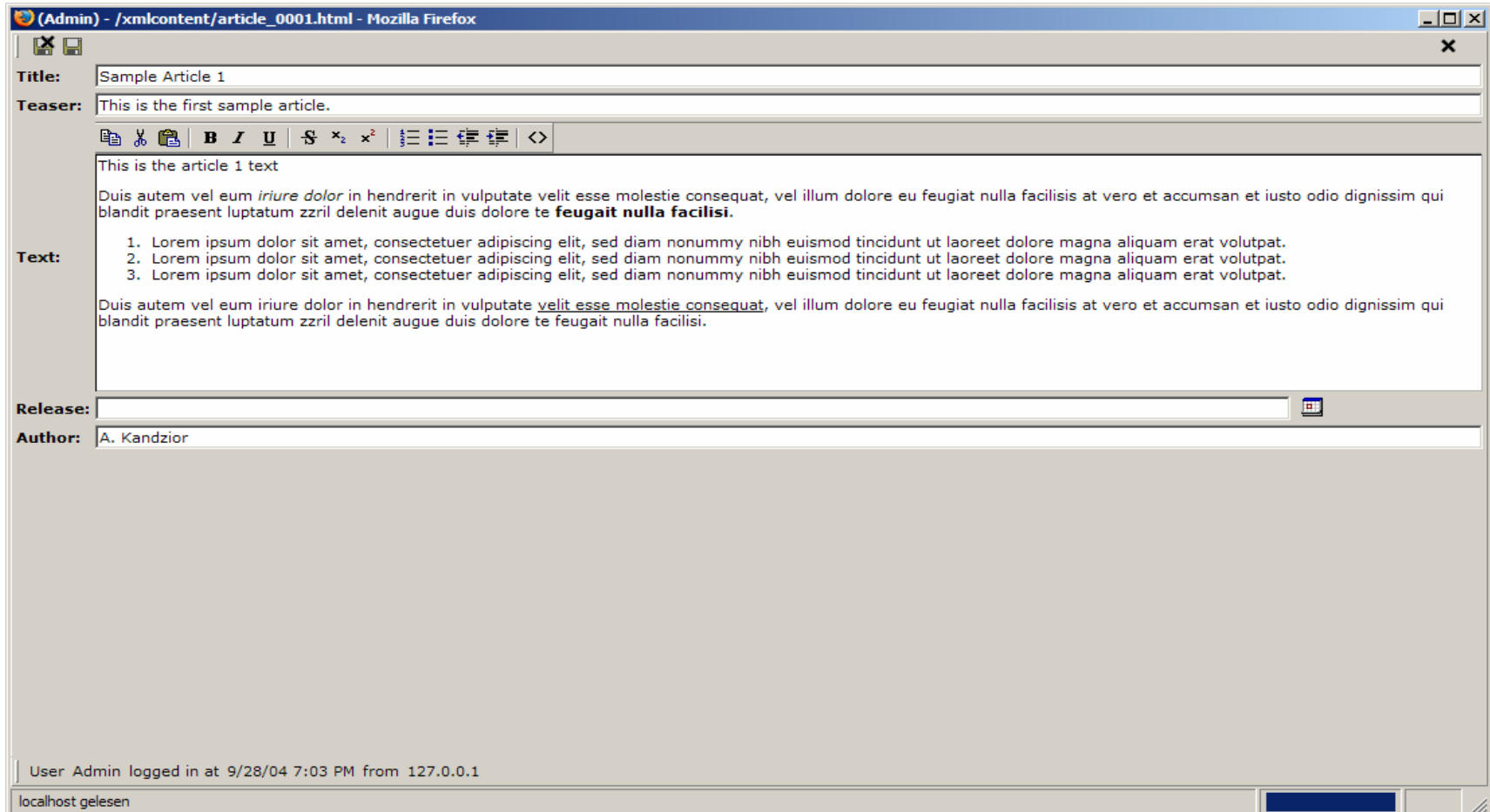
Path: [body](#) » [p](#)

User Admin logged in at 9/28/04 10:28 AM from 127.0.0.1

http://localhost:8080/opencms/opencms/system/workplace/editors/editor_main.jsp#

Demo Screenshot 3: The XML Content Editor

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The screenshot shows the OpenCms XML Content Editor interface within a Mozilla Firefox browser window. The browser's address bar displays the URL: (Admin) - /xmlcontent/article_0001.html. The editor interface includes several input fields and a large text area. The 'Title' field contains 'Sample Article 1'. The 'Teaser' field contains 'This is the first sample article.'. The 'Text' field contains the following content: 'This is the article 1 text', followed by a paragraph of Lorem Ipsum text with the words 'feugait nulla facilisi' in bold, and a numbered list of three items. The 'Release' field is empty. The 'Author' field contains 'A. Kandzior'. At the bottom of the interface, a status bar indicates 'User Admin logged in at 9/28/04 7:03 PM from 127.0.0.1' and 'localhost gelesen'.

(Admin) - /xmlcontent/article_0001.html - Mozilla Firefox

Title: Sample Article 1

Teaser: This is the first sample article.

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.

Release:

Author: A. Kandzior

User Admin logged in at 9/28/04 7:03 PM from 127.0.0.1

localhost gelesen

Demo Screenshot 4: ACL permission screen

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Change permissions of: demopages

Current user permissions

Permission	Allowed	Denied
View	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Read	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Control	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Write	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Direct Publish	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Inherited permissions

Select view:

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

Add a user/group access control entry

Group:

Resource permissions

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

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

Available groups

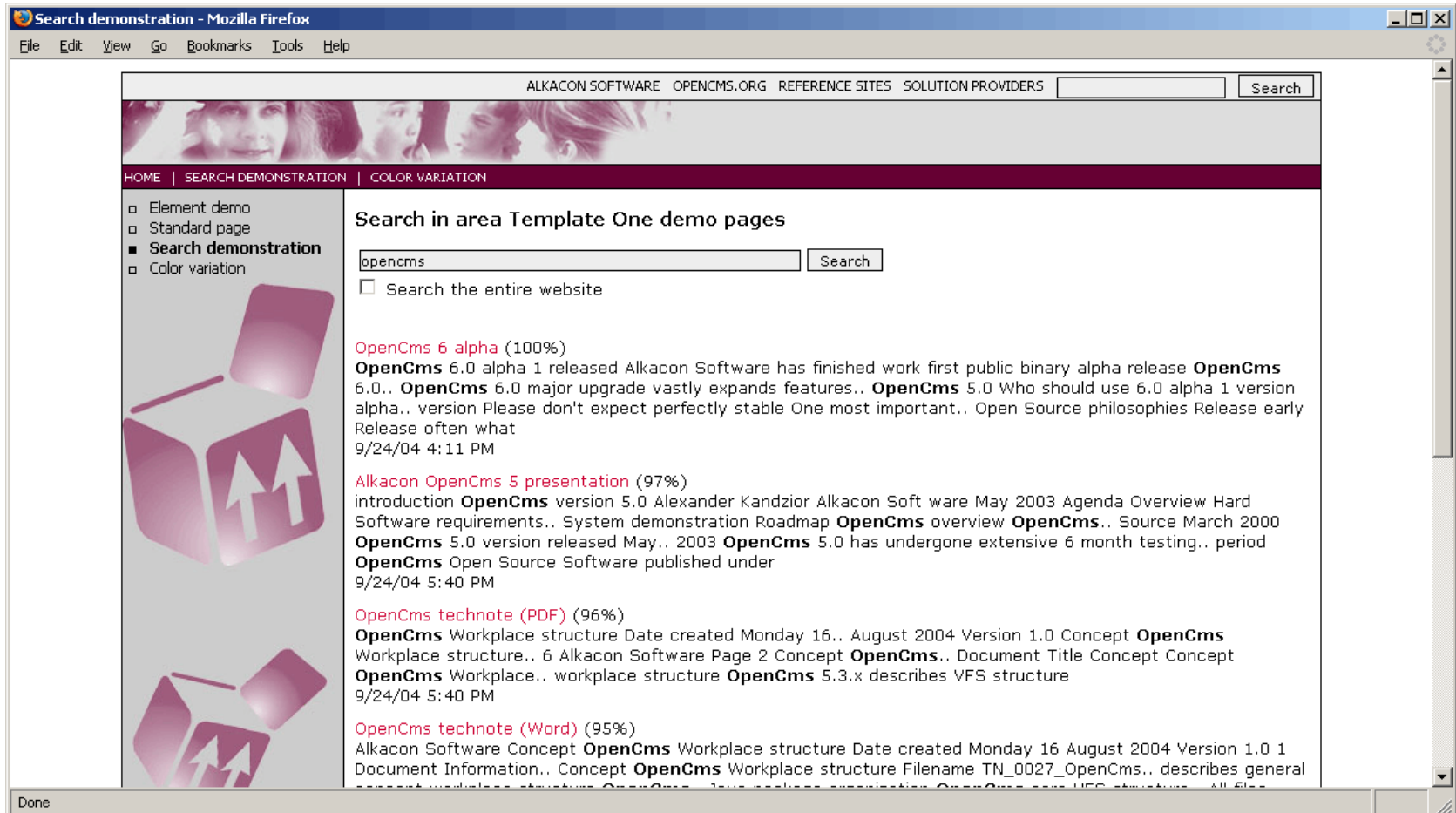
- ☐ Administrators
- ☐ Guests
- ☐ Projectmanagers
- ☒ **Users**

Available users

- ☐ Guest
- ☐ Admin
- ☐ Export

Demo Screenshot 5: Full text search results

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Search demonstration - Mozilla Firefox

File Edit View Go Bookmarks Tools Help

ALKACON SOFTWARE OPENCMS.ORG REFERENCE SITES SOLUTION PROVIDERS Search

HOME | SEARCH DEMONSTRATION | COLOR VARIATION

- Element demo
- Standard page
- Search demonstration
- Color variation

Search in area Template One demo pages

opencms Search

☐ Search the entire website

OpenCms 6 alpha (100%)
OpenCms 6.0 alpha 1 released Alkacon Software has finished work first public binary alpha release **OpenCms** 6.0.. **OpenCms** 6.0 major upgrade vastly expands features.. **OpenCms** 5.0 Who should use 6.0 alpha 1 version alpha.. version Please don't expect perfectly stable One most important.. Open Source philosophies Release early Release often what
 9/24/04 4:11 PM

Alkacon OpenCms 5 presentation (97%)
 introduction **OpenCms** version 5.0 Alexander Kandzior Alkacon Soft ware May 2003 Agenda Overview Hard Software requirements.. System demonstration Roadmap **OpenCms** overview **OpenCms**.. Source March 2000 **OpenCms** 5.0 version released May.. 2003 **OpenCms** 5.0 has undergone extensive 6 month testing.. period **OpenCms** Open Source Software published under
 9/24/04 5:40 PM

OpenCms technote (PDF) (96%)
OpenCms Workplace structure Date created Monday 16.. August 2004 Version 1.0 Concept **OpenCms** Workplace structure.. 6 Alkacon Software Page 2 Concept **OpenCms**.. Document Title Concept Concept **OpenCms** Workplace.. workplace structure **OpenCms** 5.3.x describes VFS structure
 9/24/04 5:40 PM

OpenCms technote (Word) (95%)
 Alkacon Software Concept **OpenCms** Workplace structure Date created Monday 16 August 2004 Version 1.0 1 Document Information.. Concept **OpenCms** Workplace structure Filename TN_0027_OpenCms.. describes general concept workplace structure **OpenCms**.. workplace structure **OpenCms** 5.3.x describes VFS structure.. All files

Done

Reasons why OpenCms is chosen

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- Proven
 - Used by organizations/companies large and small all around the world
- Mature
 - In open source development since 2000
 - Version 6.0
- Easy to use
 - WYSIWYG and “direct” editing
- Standards compliant
 - Uses / implements mature API standards
- Support is available
 - More then 50 companies worldwide have registered as official *OpenCms Solution Provider*



Reasons why OpenCms is chosen (2)

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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)

Roadmap

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- Version 6.0 “final” release expected around end of Q4/2004
 - Current development releases already quite stable
 - In development: XML Content enhancements
 - In development: JMX support
 - In development: Improved “Administration” view
- Potential features in discussion for future releases
 - Support for JSR 170 (Java Content Repository)
 - WebDav support
- Current focus is to finish development for 6.0!



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)

- **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>

- **Tourism**

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

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

... and many, many more, see <http://www.opencms.org/opencms/en/support/references/>

OpenCms Contacts

<http://www.alkacon.com>

<http://www.opencms.org>

info@alkacon.com

