

Content Management Open Source Solutions

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Sources

- Web site management
- Document management
- Code management
- News management



Definition

(thus says Microsoft)

- A content management system enables companies to build, implement, and maintain content-rich Web sites. It streamlines the Web publishing process, empowering users to create, publish, and manage their own content on a web site.



Elements of a Content Management System

- Content creation
- Content management
- Publishing
- Presentation



Content Creation

- Integrated authoring environment
- Separation of content and presentation
- Multi-user authoring
- Content reuse
- Metadata creation
- Non-technical authoring
- Ease of use



Content Management

- Version control
 - Rollback
 - Audit trails
- Archiving
- Workflow
- Security
- Integration with external systems



Publishing

- Stylesheets
- Page templates
- Extensibility
- Support for multiple formats
- Personalisation
- Separate test and production environments
- Static vs. Dynamic publishing



Presentation

- Usability
- Accessibility
- Cross browser support
- Limited client-side functionality
- Effective navigation
- Metadata



Creators need to control content

- Browser access
- Support for market-leading authoring applications
- Template support
- Database form support
- Content preview



ROI for commercial CMS

- Reduce web design costs by half
- Reduce setup costs by half
- Reduce web IT operation costs by half
- Free scarce IT resources by putting authoring and development in hands of area specialists

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Evaluating a CMS

- Understand project goals
- Avoid feature-drive selection
- Requirements-focused selection
- Need to meet key success factors



Academic vs. Commercial CMS

- Static vs. Dynamic publishing
- Multi-script issues
- Increased importance of reuse



Examples

- Commercial
 - Microsoft Content Management Server
 - Merant Collage
- Open Source
 - Cocoon
 - Zope



Additional selected Open systems CMS

- Aegir CMS
- Apache Lenya (cocoon extension)
- Bitflux
- Bricolage
- Callisto
- Cofax
- Midgard
- Plone (Zope + Content Management Framework)
- Red Hat CMS
- Tiki

Additional selected Proprietary CMS

- CommonSpot
 - Documentum 5
 - Ektron CMS200
 - IBM CMS
 - SiteSage
 - Stellent CMS
 - TeamSite 5
 - Tridion
 - Vignette
 - VIP Enerprises
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