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 Enterprises