

Open Source Content Management Systems

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About the speaker

- Renaud Richardet
- COO Wyona
- Swiss based company with offices in Sevilla and Boston.
- We are offering OS consultancy for all kind of Java/XSLT dev
- More specifically Apache Lenya, an OS CMS
- MA Economics, market research, Sun Certified Java Programmer.
- Active in the Lenya community

Agenda

- Content Management Systems (CMS)
- Apache Lenya
- Open Source CMS

Content Management System (CMS)

- A content management system (CMS) supports the creation, management, distribution and publishing of your organization's information.
- HTML editing through webmaster --> CMS
- Examples of CMS software:
 - Dreamweaver + Contribute
 - Documentum
 - Plone
 - Apache Lenya
- More than 400 CMS listed on <http://www.cmsmatrix.org/>

CMS features

- **User mgmt**: authentication/authorization, add/edit/delete user, group mgmt, access mgmt
- **Create** new pages, move/delete/copy pages, modify templates/css
- **Edit** (web)pages , upload assets, menu/navigation mgmt, metadata mgmt
- **Workflow** mgmt: edit/review/publish, version mgmt, rollback
- **Import/export** content, syndicate/feed
- **Specific** features for your business (DRM, blog, Newsletter mgmt, etc.)

CMS benefits (1)

- Simplified authoring process, empowerment of editors
- Structured publishing process
- Support for decentralized authoring
- Faster turnaround time for new pages and changes
- Greater layout consistency through rules --> support of CI

CMS benefits (2)

- Improved site navigation
- Greater capacity for controlled growth
- Reduced site maintenance costs, more time to focus on content
- Beyond these, the greatest benefit the CMS can provide is to support your business goals and strategies.

CMS challenges --> solutions

- Initial investment for software --> show the long term ROI
- Change process, learning costs --> communicate the benefits
- Enforced rules can be perceived as restrictions --> need full endorsement of management
- Content migration --> migrate in several steps
- Often, the first radical change for a long time, (too) many expectations
- Complex process --> seek help from CMS consultant or experienced vendor

What to watch out for when starting a new CMS project

- Mistake 1 Choosing a CMS solution without well defined goals
- Mistake 2 Choosing the wrong type of system
- Mistake 3 Building your own instead of customizing an open source solution or buying a vendor solution
- Mistake 4 Not considering the cost of change management

Case Study: The Apache Lenya CMS

- Apache Lenya is an open source content management system
- Started as Wyona CMS, and donated to the Apache Software Foundation in 2003. Now a top-level project at Apache.
- Revision control, site management, scheduling, search (Apache Lucene), WYSIWYG editors, and workflow.
- Java/XML, based on Apache Cocoon
- Skilled and friendly online community
- I have been working with Lenya and its community for a year now.

Apache Lenya website

apache > lenya > community



Project

Version 1.4

Modules

Version 1.2

Community

Search the site with

Search

Last Published: Tue, 14 Mar 2006 08:05:13 GMT

Community

Contributing

[Contribute to the Wiki](#)
[Contribute code](#)

- [Lenya Wiki](#)
- [Translations](#)
- [Credits](#)
- [SVN Web](#)
- [Bug Tracker](#)
- [Mailing Lists](#)
- [IRC](#)
- [Live Sites](#)
- [Website Update](#)
- [Release Management](#)
- [Zone notes](#)

built with
Apache Forrest

The Apache Lenya Community

Here you will find information on how to interact with and become a member of the Apache Lenya community. Please read [Contributing to Apache Forrest](#) as well because it contains some more information about the process.



Contribute to the Wiki

The [Lenya Wiki](#) is the scratchpad for the Lenya documentation as well as a whiteboard that is used by the community to sketch out proposals about the further direction of the project.

Contribute code

Note

Please use our [Bug tracker](#) to submit patches instead of sending them to the mailing list. All our committers started in creating an account there ;-)

You can contribute code as patch via our [Bug tracker](#). For this, you file a bug entry in Bugzilla, using the links provided below. The bug entries in Bugzilla should provide a description of what the patch does, and how to apply it. Any further discussion should occur on the Lenya Developer list (see [mailing lists](#))

Apache Lenya Demo



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Open Source: Concepts

- **Source Code** (it all started with people sharing patches over the network --> web server from CERN --> Apache).
 - Modification,
 - Derived Works: redistribution of modifications must be allowed.
 - Free Redistribution: the software can be freely given away or sold.
- (<http://www.opensource.org/docs/definition.php>)

Open Source: Implications

- --> *Imagine a **furniture company** that got its wood for free. Imagine the implications*
- *I still need to design the furniture, cut it, put it together, sell it...*
- *Or imagine that you buy a car, but you cannot check the motor yourself.*
- *Go to the garage to check the oil...*

Open Source: Benefits

- *share the code (4 eyes are better than 2)*
- low-cost
- community support
- innovation is open to everybody, designed for innovation (modules)
- instead of building your own
- avoiding lock-in
- own the code
- accelerating development

Open Source: Myths

- OSS is free of cost
- OSS is buggy
- OS is not secure, since everybody can see the code
- Not enterprise-level
- Lack of commercial support
- Lack of documentation
- Steep learning curve
- Not user-friendly

Open Source CMS: Evaluate

- Open Standards
- Content import/export
- License
- Community
- Customization: how easy?
- What part can I develop in-house?
- 'Try before you buy'
- Installation: 2 minutes or 2 days before a “hello world”?
- Support: do companies offer support?
- Documentation, Books, Seminars

Wrap up

- A content management system can greatly enhance your organization website
- Migrating to a CMS is a serious project that needs serious planning
- Building on top of an open source CMS gives you more control and allows you to spend more resources on custom features

About Wyona

- Wyona is the leading integrator, solution and service provider of the Open Source Content Management System Apache Lenya. Apache Lenya was formerly known as Wyona CMS and was donated to the Apache Software Foundation in spring 2003. Wyona is focusing on the Apache Software Stack and is delivering customized software solutions on-time and -budget. Free of vendor lock-in.
- We have extensive experience in the implementation of systems for online information providers, including Lycos (Wired Magazine), Digitas (On-demand print), Mobiliar (Swiss Insurance), Credit-Suisse (Finance), Daimler-Crysler/DGM (Automotive), Weil Publishing, Neue Zürcher Zeitung (Swiss Newspaper), Universität Zürich (Switzerland) and other clients. Please find our extended customer list at <http://wyona.com/list.html>
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