

AIDA/Scribo

a powerful CMS at your fingertips!



Nicolas Petton

```
o add: self documentTitleElement; add: self documentActionsElement.  
bucketElement := self bucketsElement. "detailed info, references..."  
o add: self infoLineElement. "brief info about document"  
o add: bucketElement. "infoLine needs buckets before"
```



AIDAweb
Smalltalk Web Application Server



Contents



- Why another CMS?
- Architecture
- History
- Scribo at work
- Future
- Demo

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What is a CMS?



Content Management System

- ▶ Web application (Web CMS or WCMS)
- ▶ Used for creating and managing HTML content :
 - ▶ HTML pages
 - ▶ Associated documents (images, attached files, etc)

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Why another CMS?



- ▶ Leveraging **Smalltalk strengths**
- ▶ Leveraging **Aida/Web strengths**
- ▶ **CMS framework** for different CMS apps
- ▶ For **developers** and **end users**

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Leveraging AIDA/Web strengths



- **RESTFull** and nice looking **URLs**
- **User, group, role** support
- **Security** (Access control)
- **Components**
- **Ajax** integration

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Contents



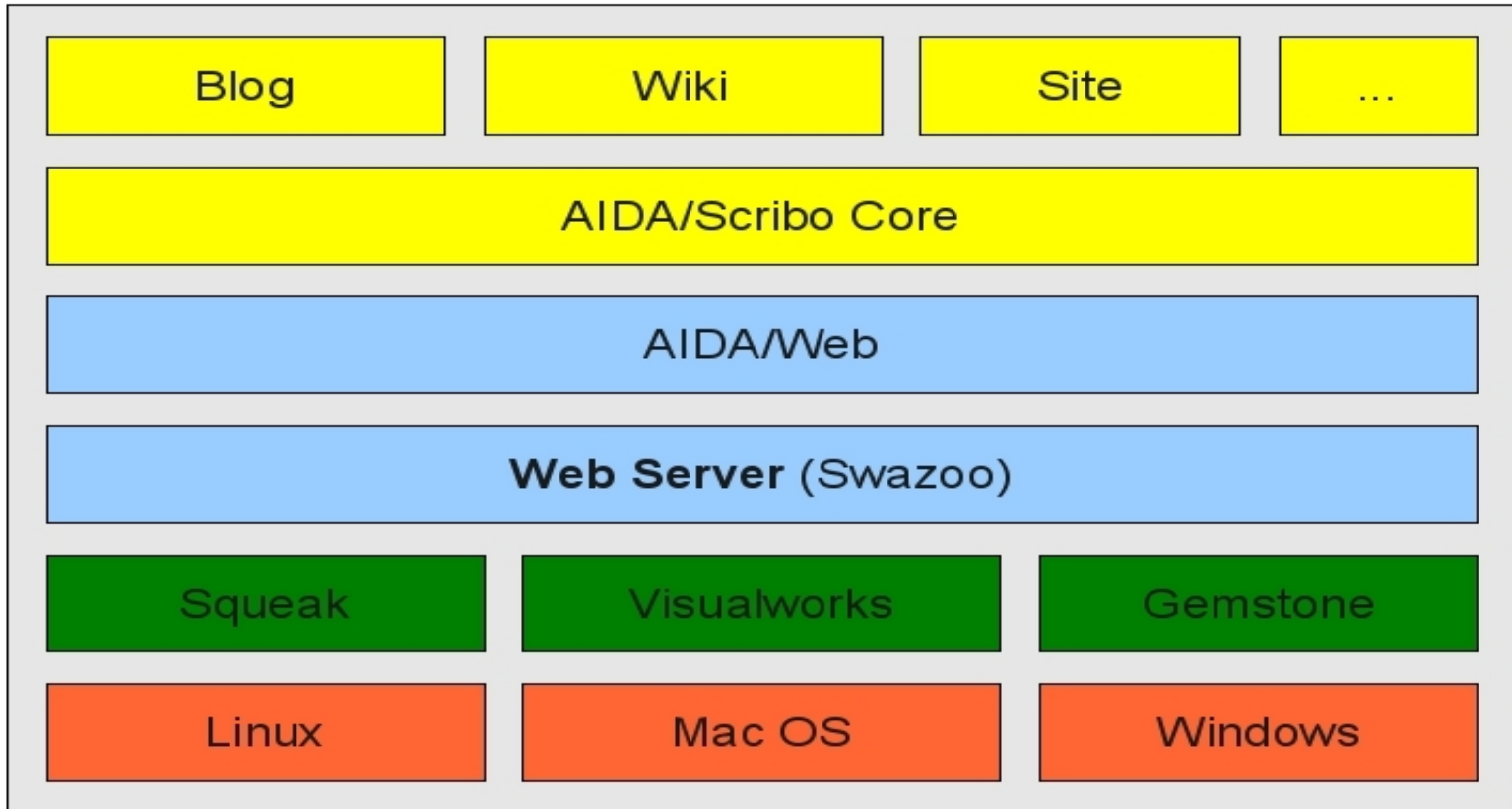
- ▶ Why another CMS?
- ▶ **Architecture**
- ▶ History
- ▶ Scribo at work
- ▶ Future
- ▶ Demo

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Architecture



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Architecture



Document

- Versioning
- Lifecycle
- Workflow
- Subdocuments
- References
- Attachments
- Access rights
- Locking
- Multilingual support
- Persistence
- Other

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Document



Versioning

- Many versions
- Url always points to the released version
- Access to all versions
(<http://www.site.org/article.html?version=4>)

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Document



Lifecycle

- ▶ States during document's life :
 #pending, #released,
 #obsolete, ...
- ▶ Can be extended and tailored

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Document



Workflow

- Managing flow of work through document lifecycle
- From editing, multiperson approvals, to releasing
- Who when what needs to do some task
- Email requesting for some task
- Email notifications of task done

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Document



Subdocument

- ▶ Vertical hierarchy of documents
- ▶ Folder is a subclass of Document
- ▶ Folder can contain documents or other folders
- ▶ Document can have Chapters (again subclass of Document)

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Document



▶ References

- ▶ Horizontal links between documents
- ▶ also external, to pages on external websites

▶ Attachments

- ▶ like images, PDFs and other

▶ Access rights

- ▶ who (user or group or role) can do what (workflow tasks)

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Document



Locking

- ▶ Exclusive lock of document while editing :
 - ▶ you got the message: "edited by <person>, please wait"
 - ▶ when he finishes, you get: "document is now ready"
 - ▶ Implemented by so called Comet (reverse Ajax) technique

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Document



Multilingual support

- One document can be in more than one language
- A document has **always the same URL**, regardless of the language.
- In which language is shown **depends** on the **language of the user**.
- For explicit language : query part of URL:
<http://www.site.org/article.html?language=fr>

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Document



Persistence

- ▶ Each document can be saved on disk
 - ▶ SIXX
 - ▶ Magma
 - ▶ GLORP
 - ▶ ...

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Plugins



▶ Wiki

- ▶ main plugin. Blog and Website are based on it

▶ Website

- ▶ close to Wiki
- ▶ conceptual difference between wiki and website.

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Plugins



▶ **Blog**

- ▶ very complete
- ▶ fully supports comments, comment timeout, RSS, tags, tag cloud, categories, post publication, and so on

▶ **Forum**

▶ ...

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Scriblets



- ▶ Components embeddable into the text
- ▶ simple way to extend Scribo
- ▶ predefined Scriblets
 - ▶ {GALLERY}, {TOC}, ...
- ▶ custom Scriblets
 - ▶ just implement a method returning a webelement/component
 - ▶ {#nameOfMyMethod}

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Gallery scriblet



◀ Previous 7/19 Next ▶ Upload image.

Image or .zip:

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Scribo at work



- Blog: <http://nico.bioskop.fr>
- SPM : Squeak Project Manager
- BiArt/ISO Quality Management System
- aidaweb.si, swazoo.org
- New squeak website
- ...

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Future



- ▶ More dialects:
 - ▶ now Squeak and VisualWorks
 - ▶ GLASS (Gemstone Linux Aida Swazoo Smalltalk)
- ▶ more plugins
- ▶ more scriblets
- ▶ support for community web infrastructure
 - ▶ SPM - Squeak Project Manager
 - ▶ Squeak Code on the Web

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DEMONSTRATION

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