

HyperContent v1.2 presentation

*Material for Alex Vigdor's presentation at the Miami JA-SIG conference on
December 9, 2003*

by

ALEXANDER VIGDOR

last updated Jul 13, 2005 12:22:29 PM EDT

Introducing HyperContent v1.2

by Alex Vigdor

December 9, 2003

Agenda:

- Introductory slides
- Tour of new HyperContent web site
- Live demo

Table of Contents

What is HyperContent?	1
Framework	2
History: v1.0	3
History: v1.1	4
Current: v1.2	5
Future: v1.3	6

What is HyperContent?

HyperContent is software designed to facilitate the creation and management of web content by addressing several core concerns:

- Author, store, and publish files of any type
- Maintain history of file changes
- Recognize relationships between files and directory structures
- Enforce access controls to projects and files
- Allow separation of design from content
- Use uPortal as the platform for authoring and management functions

Framework

HyperContent has a core set of original technological components:

- Versioning multi-user document repository
- Asynchronous request engine w/extensible filters, real-time feedback and metrics
- Content Manager channel for uPortal
- Content Editor channels including WYSIWYG/XML, Dublin Core, Upload/Download, Vcard . . .

These are integrated with many best-of-breed open source components including

- Apache Lucene (search engine)
- HTMLArea (WYSIWYG)
- HP Jena (RDF metadata)
- NekoHtml (HTML parser)
- Apache Commons Resolver (OASIS XML Catalog support)
- Apache FOP (format PDF from XML)
- Enterprise-DT FTP library

History: v1.0

HyperContent v1.0 was released in December, 2002

Key Features

- XML based content storage for adaptability, reuse, speed of development
- XSL Transformations to allow multiple output forms of XML content
- XML Includes to minimize data redundancy
- Integrated with uPortal Groups & Permissions
- Publish files to remote servers via FTP

History: v1.1

HyperContent 1.1 was released in April, 2003

Key Features

- Metadata support via RDF
- UTF-8 transparency
- Oasis XML Catalog support
- Multiple content editors per file
- Integration support for network-based resources
- Ad-hoc XML includes

Current: v1.2

General availability of HyperContent v1.2 is being announced today at the JA-SIG conference, December 9, 2003

Key Features

- Integrated WYSIWYG content authoring
- Full content and metadata repository searching
- Localization support w/English and Italian out of the box
- Vcard editor with LDAP integration
- Intuitive contextual file creation in Content Manager
- Copy and move files and directories
- Upload/download zip of repository directories
- Easy Ant deployment script
- Many usability, architecture, security and performance enhancements to improve the user experience for site developers, content authors and consumers

Future: v1.3

Columbia University is committed to the ongoing development of HyperContent. A sampling of features envisioned down the road:

v1.3

- Manage interactive portal channel content
- WebDAV filesystem support
- Install and execute scripts (batch load, conversion, form handlers)
- Spell checker
- Image thumbnails, resizing

Beyond

- Basic workflow
- "Cron" service for scheduling requests
- Notification service w/support for IM and email
- Re-usable template library
- Project Definition wizard