

Hands-on with HyperContent 1.4

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Agenda:

- Introductory slides
- Hands-on
- Q & A

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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

History: v1.2

HyperContent v1.2 was released on 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

History: v1.3

HyperContent v1.3 was released on 3/15/2004

Key Features:

- Multilingual spell checker
- Image editor (crop, resize, convert)
- Image thumbnail support
- SFTP support

Current: v1.4

HyperContent v1.4 was released on 06/18/2004

Key Features

- Site Navigation management system
- uPortal 2.3 compatibility

Future: v2.0

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

v2.0

- Standalone server application
- Integrated WebDAV content server
- Manage and deliver portlet content via WSRP and UDDI

Beyond

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