



Componize DITA CMS 1.6

List of features

Componize provides a solution to facilitate authoring and controlling large volumes of structured modular content.

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Authoring

- Supports multiple editors to access your content library (full integration, WebDAV, or CMIS):
Adobe FrameMaker, JustSystems XMetal, SyncroSoft oXygen Editor and Author, SDL Xopus, Simply XML Content Mapper... (non exhaustive list)
- Embeds Web oXygen editor with Componize on Demand
- Supports check-in and check-outs with commenting.
- Work online (edit online/save) or remotely (edit offline/update).
- Supports multiple editors to access the repository.
- Validates XML:
 - DITA XML version 1.1.
 - DITA XML version 1.2 – including learning specialization.
 - Customized DTDs.
 - Multiple DTDs.
- Supports full-text searches with various scopes (Solr): content, metadata, specific keywords.... With wildcards and Boolean searches (AND – OR – NOT...).



- Support search languages such as XPath and Lucene.
- Provides easy navigation to topics with a “Locate source”, favorite files, files being reviewed...
- Upload large volumes of content with ZIP (auto-extraction), with FTP, or with HTTP.
- Create archive files from a map with all versioned dependencies, including images, reused contents, and so on, used in the map.
- Classify content in the content corpus directly with tags (keywords) and categories (category).
- Filters automatically content based on keywords and categories.
- Upload, version, and re-use templated topics.
- Previews XML content, assets, equations, and images as thumbnail or PDF.
- Offer multilingual interfaces to your teams.

Componize Author Page

Available from version 1.6

- Install Author page with a simple drag-and-drop.
- No supplementary sign-on necessary.
- Platform agnostic, runs on Google Chrome, Mozilla Firefox, Apple Safari, and Internet Explorer.
- Highly customizable to create new toolbars, button actions, views, language dictionaries...
- Offer form-authoring with CSS and XML customization.
- Direct access from content to the Author page from your Document Library.
- Easy access to topics and components from Author.
- Edit and preview multiple topics in tabs.
- Track changes, comment, and manage these comments & reviews.
- Add windows: outline, tags & attributes modules, map manager, author in full screen or not, mask/unmask the search results.
- View content as text or author.



- Use the map manager view to leaf through the entire map content.
- Add attribute values with a subjectScheme maps with a direct view from the Author page.
- Mix any conditions in searches: DITA types and content, or content and shortcuts (for example: I'm editing, My Favorites...).
- Fast search: narrow down your searches with new conditions and see the results update Live.
- Preview XML content and images in search results.
- Preview, select, and insert content references.
- Preview, select, and insert cross-references.
- Preview, select, and insert images.
- Preview, select, and insert equations.
- Insert topics to a map in a click.
- Change the map structure with drag-and-drop from the Map Manager.
- Search only images and add full-text conditions.
- Mandatory comment on check-in.
- Check-in as minor or major versions.

Metadata management

- Metadata on links and content are stored in a dedicated repository as RDF for better performance.
- Injects templated metadata in XML content types.
- Synchronizes metadata from the XML content and the Componize.
- Automatically extract keywords as “tag” filters in the interface (no control, akin to folksonomy).
- Automatically extract categories as “categories” in the interface (value set by the information manager, akin to taxonomy).
- Browse categories as a tree structure to insert the values.
- Enter values with predicted entry for tags and categories.
- Apply metadata to a collection of topics.



- Search directly metadata values. Customize any new synchronization of metadata values.
- Act upon metadata values with custom workflows or content rules to automate content lifecycle.
- Add attribute values with a subjectScheme maps with a direct view from the Author page.

Link management

- Maintains links, and rewrites where necessary:
 - rename files and folders,
 - changes the library structure,
 - drag-and-drop folders or files.
- Provides easy access to content with shortcuts to content being edited, content with issues (link or XML), content published, last added, last modified...
- Displays where the content is reused: image, topic, map, fragment of content (conref and keyref).
- Follows where the content is reused end-to-end – from the topic to the primary map.
- Browse the links in any map or a topic from the author page.

Resource management

- Support all type of images and media files: maintains, versions and extracts metadata.
- Support all types of files, including videos and images.
- Preview content in a media library, including videos.
- Link and reuse easily media files from the DITA authoring page.
- Preview MathML equations in the Document Library and the Author page.
- Allows you to automatically inject content into a publishing pipeline from various storage sources with Componize own Virtual File System implementation.
 - Standard file system
 - HTTP server
 - FTP server
 - XML database



- Alfresco repository
 - Java classpath memory-based temporary file system
 - Your own content source
- Support XML catalog to further extend conditional publishing.
 - Copy and move collection of contents in one action.

DITA import / export

- Content is stored as native DITA XML.
- Drag-and-drop one or several files or a ZIP file which extracts automatically.
- On direct upload, XML compliancy is checked with an extraction of metadata and links.
- Upload content or archived sites (ACP).
- Upload large volumes with FTP/HTTP access.
- Map a repository as a local drive.
- Download versioned content as ZIP files, from a ditamap with every single resource linked to the map.
- Archive sites as ACP (Alfresco Content Package) with content, metadata, and workflows.
- Take snapshots of a document with all related resources, versioned to capture state of the documentation or release.
- Manage snapshots; republish content from previous snapshots as it was released then.
- Automate creating snapshots and archives.

Publishing

- Supports filtering with DITAVAL files and all current options from the DITA architecture specifications.
- Supports multiple style sheets to publish to various layouts and languages, including Japanese, Chinese, Vietnamese and Korean.
- Supports Unicode: UTF-8; and extract languages.
- Supports multilingual content with searches, filters on keywords and categories, and previews.



- Provides wizards to create publish pipelines with wizards, with all up-to-date options from the DITA Open Toolkit.
- Integrates Componize own implementation of a compiling language (XProc) to publish faster and reuse content for multiple outputs, multiple variants, multiple layouts.
- Provides a wizard to customize the output file name with the version of the published map, the time and date, and so on.
- Publishes maps and/or topics to all outputs: PDF, XHTML, Web Help, Eclipse Help, ZIP files.
- Includes publishing to: EPUB, CHM, RDF with the DITA4publishers plugin.
- Maintains all publishing pipelines with conditions (information variables, images, style sheets) for maps and topics.
- Can publish to all valid URIs, including directly to a web server.
- Enables reaching out and injecting content stored in other repositories (XML databases, file systems, and other Alfresco repositories).

Collaboration

- Support track changes, highlights, and reviews features from multiple editors.
- View original file, final file, or file with comments.
- Browse from one change to another and quickly reject/accept changes.
- Accelerate reviews with several review and approval workflows: single task, grouped, parallel, and pooled tasks.
- Advance process automation with customized and extended workflows and content rules.
- Assign roles for team members and groups/sub-groups: view-only, author/editor of her or his own content, editor of any contents, and manager.
- Advance customization with extended and customized roles.
- Assign different permissions for different sites, content libraries, folders and files.
- Check reports and what's happening on the libraries with RSS streams and customizable dashboards.
- Follow team members to check closely activities.
- Receive email reports from your collaborators activities.



- Get notified for changes on specific collection of topics.
- Provide a personal dashboard with current tasks, filtered by priority, person and due date...
- Provide social tools to enhance collaboration with forums, blogs, list of links and wikis...
- Control content access up to the topic level with content permissions and member roles.
- Support single-sign-on.
- Provides “like”, and direct commenting on each file.
- Enable team members to comment and download content from an iPad or iPhone.
- Enable commenting outputs, “like”, and downloads on the libraries, tablets, and iPhone-iPad.

Content Lifecycle Management

- Support multiple sites, and multiple content libraries (media or DITA).
- Automatically version the contents and metadata (media or DITA): comment, select major or minor version.
- Logs the history of all changes and name of editors.
- Compare XML content with any previous versions logged, not only the latest.
- View content changes only or tags view when comparing files.
- Supports reverting to a previous version with overriding the current version.
- Enables choosing, adapting, and maintaining the library structure – with or without folders.
- Supports changes to the structure with drag-and-drop and renaming files and folders.
- Check team authoring and publishing activities with site dashboards.
- Automatically renames XML topic identifiers, where needed.
- Site managers quickly view and override files checked-out.
- Site managers can restore deleted content from trash cans.
- Creates snapshots from a map with all versioned dependencies, including images, reused contents, and so on, used in the map.



- Manage snapshots to re-publish a previous release of the map.

Standards and interfaces

Componize uses a 100% open standard strategy*.

Open standards have public specifications, are handled by large consortium, such as the W3C or OASIS and help provide future-proof data.

Componize offers an open architecture, with open REST and Java APIs.

Componize accepts a number of standard access protocols, thus enabling teams to use their favorite tools.

Platform agnostic CMS

- Componize and Alfresco run on all major platforms, including Linux.

Open APIs and fully customizable

- Componize has a public Java API that give access to all of the standard services and features from within your own Java code.
- Componize has a public REST API that gives you remote access to the main services.
- The Componize pipelines can be fully customized using the standard XProc markup.
- Custom XSLT style sheets can be applied to your content from either an XProc pipeline or directly via an action.

DITA Open toolkit, customizations and plugins

- Componize is packaged with the latest DITA and DocBook DTDs, XML schemas and style sheets.
- Other DTDs, XML schemas and style sheets can be added at will.
- All XML content is automatically recognized and validated against a DTD or XML schema on write.
- Componize uses the embedded DITA Open Toolkit for the standard DITA pipelines and is compatible with any standard DITA Open Toolkit customization or plugin.
- You can decide to use your own version of the DITA Open Toolkit if required.

Publishing automation

- The Componize XProc engine is available as an Apache Maven plugin and can be used with Maven to manage and automate your pipeline builds. The Componize



XProc Maven plugin can be used with any Maven compatible continuous integration server.