



Beyond Review

Meet Oxygen Content Fusion, Your AI-enabled DITA CMS



Cristi Talau, Syncro Soft

cristian_talau@oxygenxml.com

[@cristitalau](https://twitter.com/cristitalau)

© 2025 Syncro Soft SRL. All rights reserved.

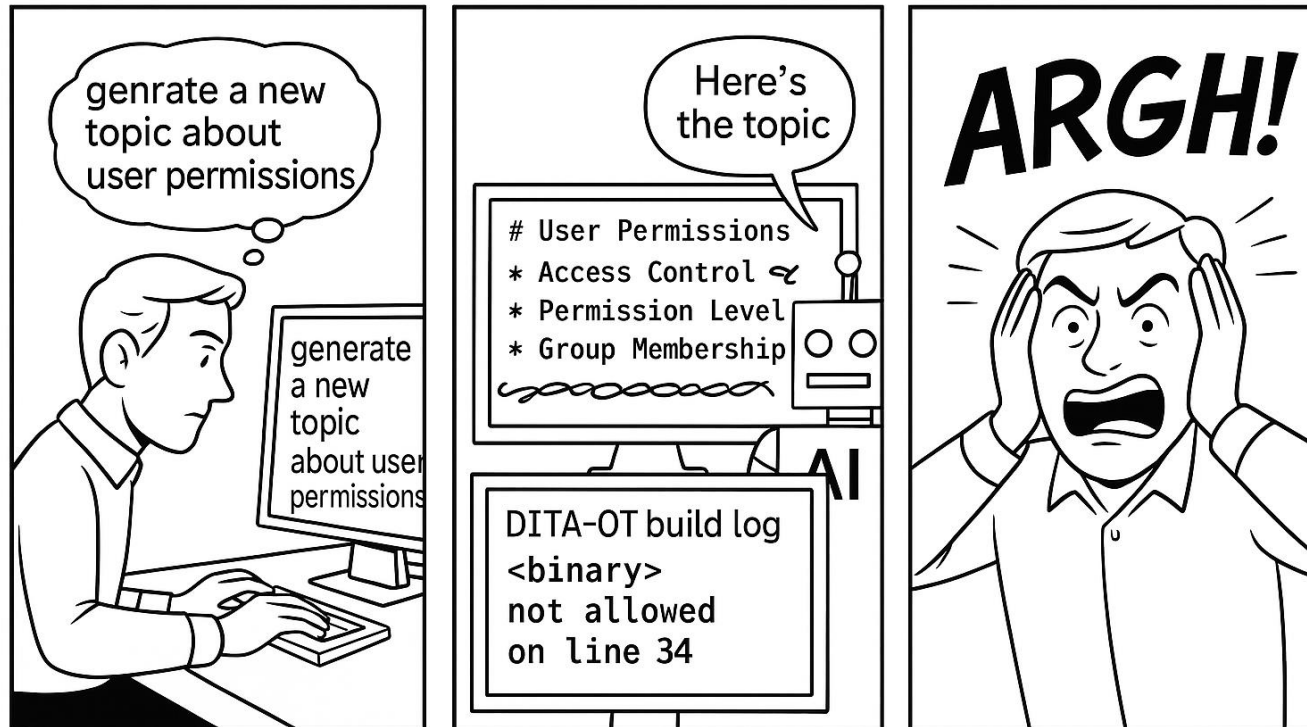
Agenda

- Introduction
- AI challenges
- Understanding the AI Pillars
- Core architecture
- Competitive advantages
- What's Next
- Q&A

Poll - Biggest AI Hurdle in Your DITA Workflow

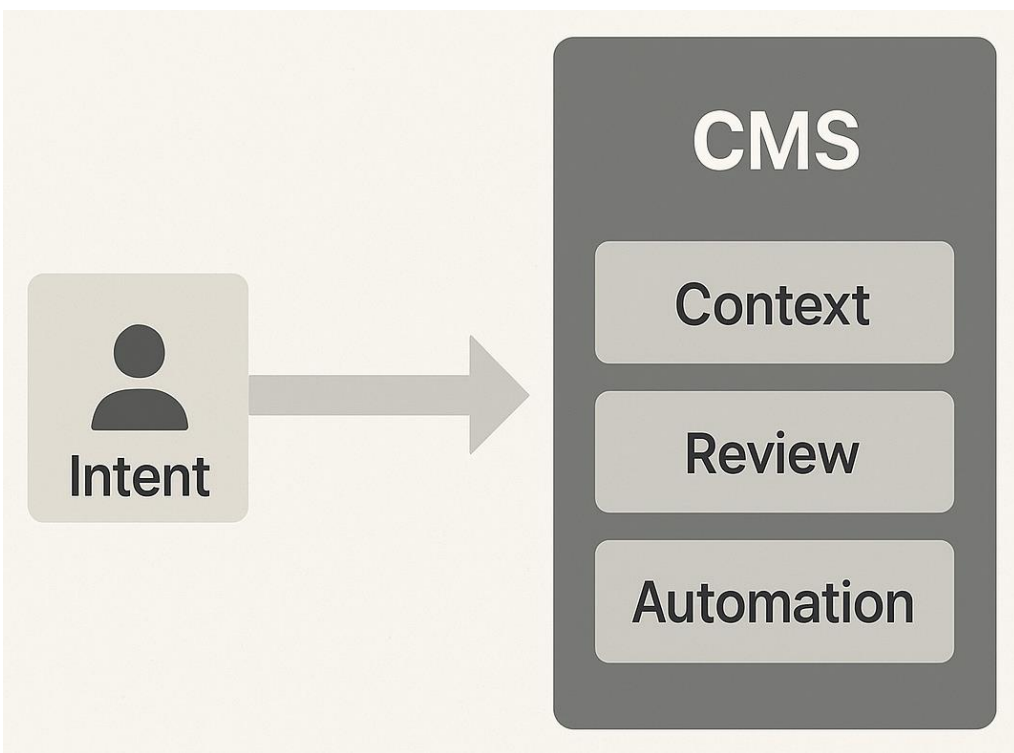
- Which AI-related hurdle costs your team the most time in your DITA workflow?
 - Time spent fixing AI hallucinations/ invalid content
 - Training staff to write effective prompts / customize AI agents
 - Meeting governance, IP and regulatory requirements
 - Connecting AI to our DITA CCMS and workflow
 - Other causes (answer in chat)

The similarities of AI vs. SME collaboration



- Common mistakes
 - Invalid content
 - Style-guide violations
- Differences
 - AI improves with instructions and context
 - AI has the time to use tools to fix validation problems
 - AI is better at content than an average SME
 - AI works faster

Weapons against AI mistakes



- Intent – Make your intent clear and specific
- Context – AI needs context to deliver consistent content
- Review – Each AI change must be approved by you
- Automation – Get it tools to check its own work

Security and IP risks

- Closed source LLMs need your content in their cloud
 - More and more companies are willing to accept the risk
 - Open-source alternatives exist, and they only get better
 - Custom deployments are offered by major cloud providers
 - Content Fusion is not tied to a particular provider
- Content ownership
 - AI works on your behalf, so you own the content and the responsibility
 - Content Fusion properly attributes all the AI changes to you
- Adopt AI at your own pace
 - AI is enabled only if you install the Oxygen AI Positron

Content Fusion Evolution

- 2018 – Content Fusion started as a review platform
- ... 5 years of learning and solving collaboration challenges
- 2023 – Launched **Projects** as a context sharing mechanism
- 2024 – Authoring **workspaces** and Positron **writing assistant**
- 2025 – Positron integrated as a **workspace-level agent**

Ecosystem commitment

- We are committed to support **everyone** to onboard AI Content Agents
 - Content Fusion for organizations that work with Git
 - Software components for our partner CCMS-es
 - Oxygen XML Editor
 - Oxygen XML Web Author
 - Oxygen AI Positron

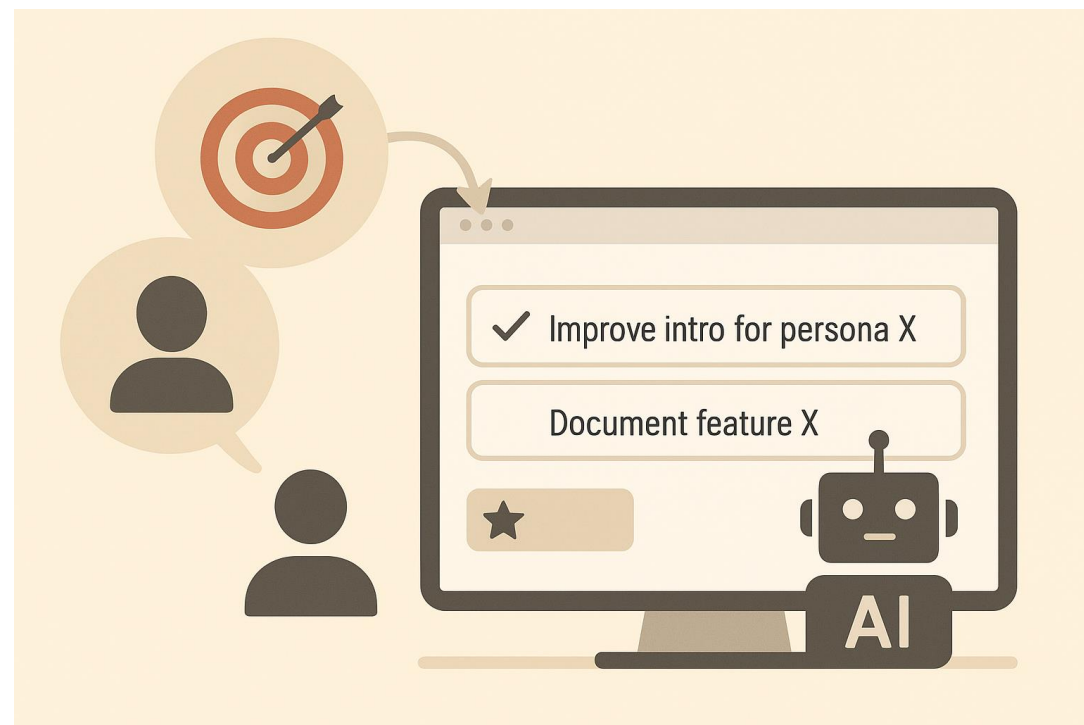


AI Pillars

- Intent – authors express goals, AI delivers
- Context – projects provide a container for shared context
- Review – you need to review at the speed of AI
- Automation – parallel AI tasks, validate automatically

AI Pillars - Intent

- Your main contribution is expressing the *intent*
 - "Improve intro for persona X"
- Requires practice and iteration
 - "Document feature X" vs. "Create a getting started guide that shows how to use the browser UI to do X"
 - Understand your hidden assumptions and preferences and make them explicit
- Once you identified common tasks, save them as favorites or AI Actions



AI Pillars - Context

- Context has many forms
 - Publication outline
 - Other existing topics
 - Screenshots / internal design documents
 - Questions to which a topic should answer
 - Style-guide
 - Analytics / Feedback
- Projects should be a container for context

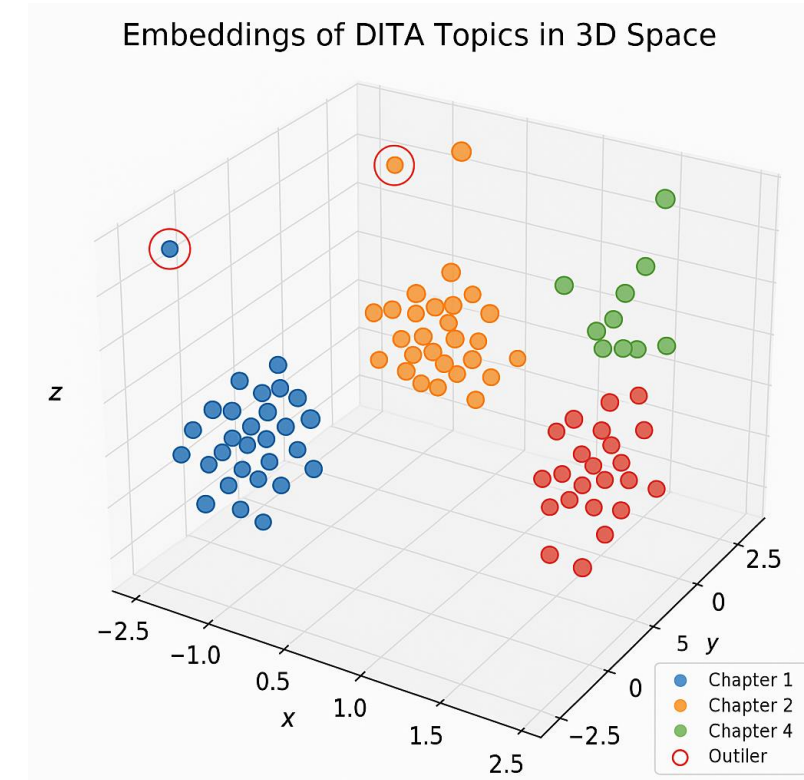


AI Pillars - Review

- You are responsible for every AI suggestion, so you should review it
- All changes are tracked so that you can inspect them and rollback if necessary
- You can even ask AI to review the changes

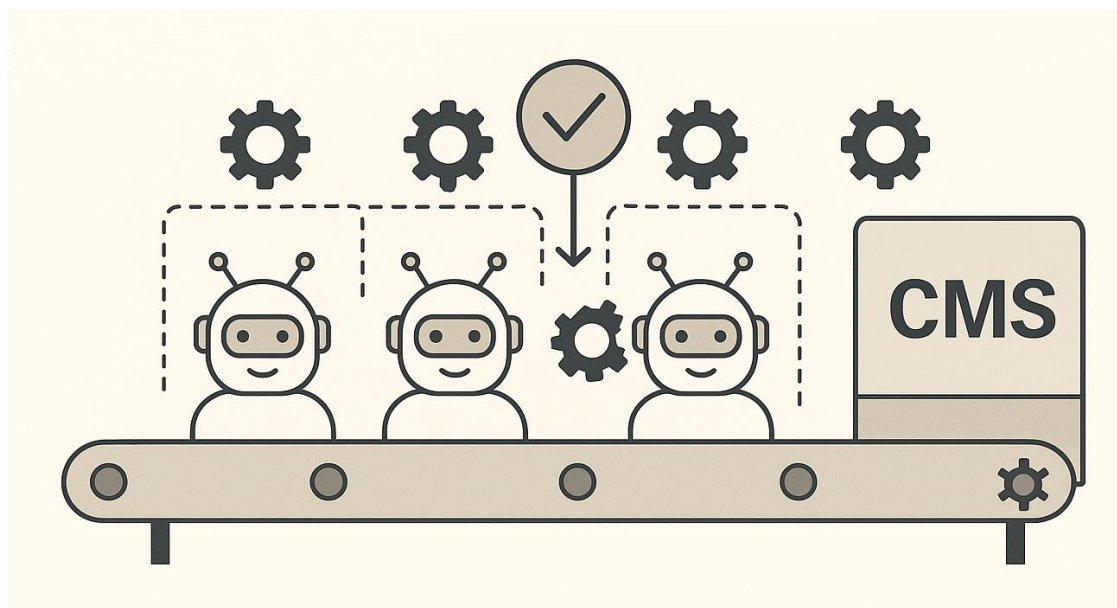
AI Pillars - Review

- Review the content at a higher level
 - Checking spelling errors -> Run a spellchecker
 - Checking updated links -> Check the validation results
- Ideas for the future
 - Is the topic in the right chapter
 - -> Analyze semantic clusters
 - Tone of voice of a topic
 - -> Map tone of voice to a point in space and detect outliers



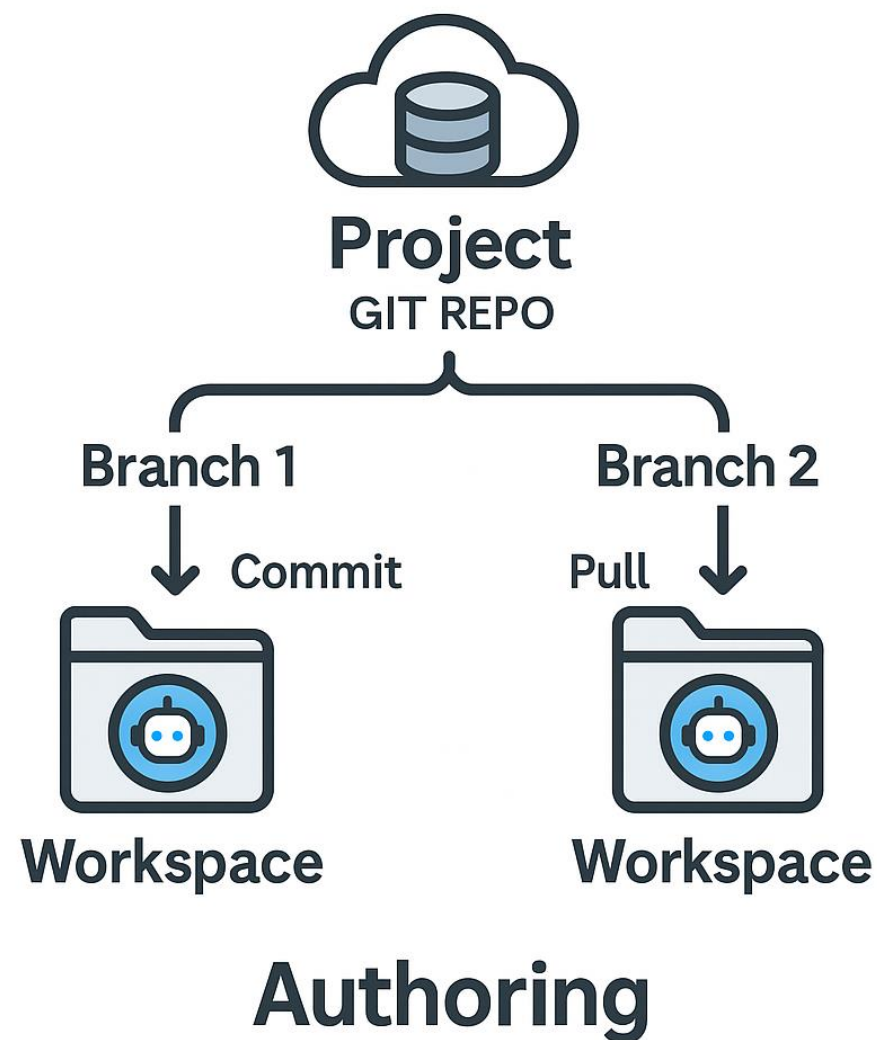
AI Pillars - Automation

- AI Agents run in parallel sandboxes
- AI Agents can automatically use tools to validate their own work
- Manual work should not be the bottleneck in an Agentic CMS



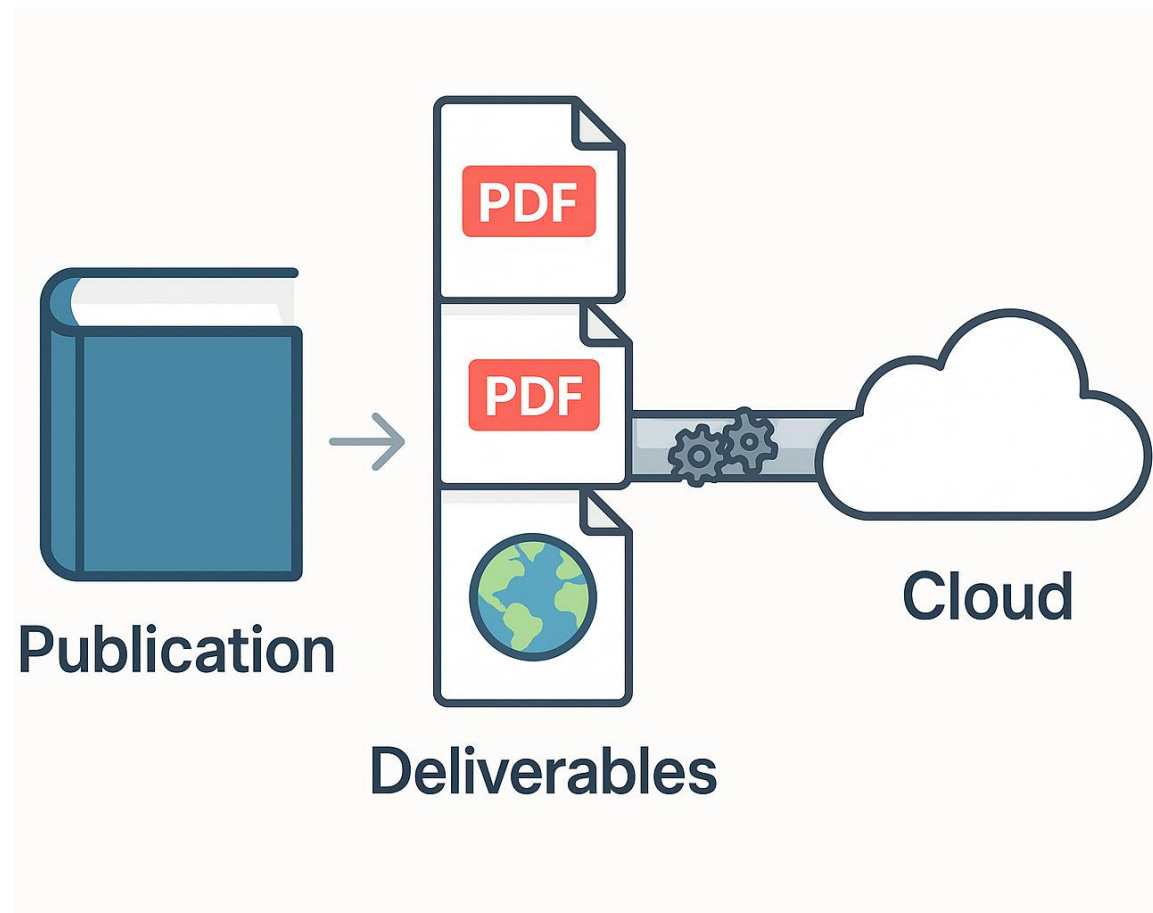
Core Architecture

- Project – Git-backed, structured content set
- Authoring
 - Workspace – per branch per author
 - Positron AI Assistant – in-context agent
 - AI Action – task configuration + tools bundle
- Review task – multi-author, real-time, Git-merged



Core Architecture

- Publication – a logical publication
 - E.g. user guide for product X
- Deliverable
 - PDF/WebHelp output of a publication
- Connector
 - Push to S3/Netlify/etc.



Strong points of Content Fusion - AI

- Workspaces provide a sandbox for AI agents
- Tools that let AI expand context and validate their own work
- Inspect AI changes with visual diff
- Markdown alongside DITA – the native language of AI
- Git layer optimized for many branches & agents

Strong points of Content Fusion - Review

- Real-time SME collaboration with concurrent editing
 - Per-edit attribution even under concurrency
- The activity side-view allows you to catch up faster
- Search view shows an overview of all comments inside the review task

Strong points of Content Fusion – Storage

- Open standards: pure DITA, Git, Schematron, no vendor lock-in
- Git-native history—you own the full history, not just a snapshot
- Seamless interoperability with Git-enabled services, e.g. CI servers

Strong points of Content Fusion – Publishing

- Visual customization tool – Oxygen styles basket
- PDF customizable based on CSS
- The same style is applied for both WebHelp and PDF

What's Next

- We will continue to innovate across the AI pillars: Intent, Context, Review, Automation
 - More ways to share context at the project level: custom AI Actions, templates, etc.
 - Improved review tools for both small and large changes
 - Implement more tools for agents

THANK YOU!

Any questions?

Cristi Talau

cristian_talau@oxygenxml.com

@cristitalau