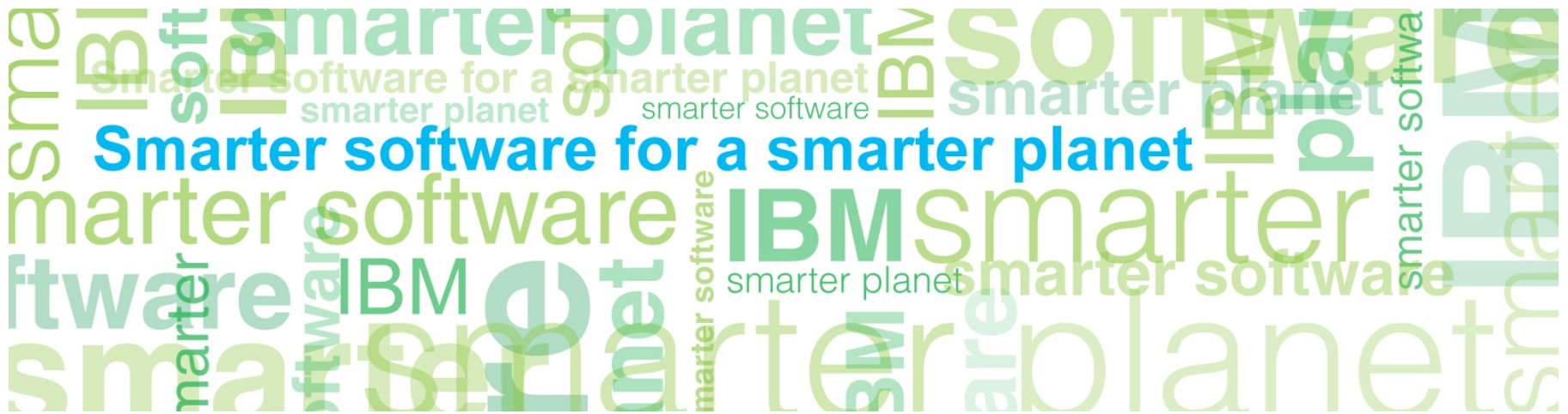


IBM ECM integration with JustSystems XMetaL Author Enterprise

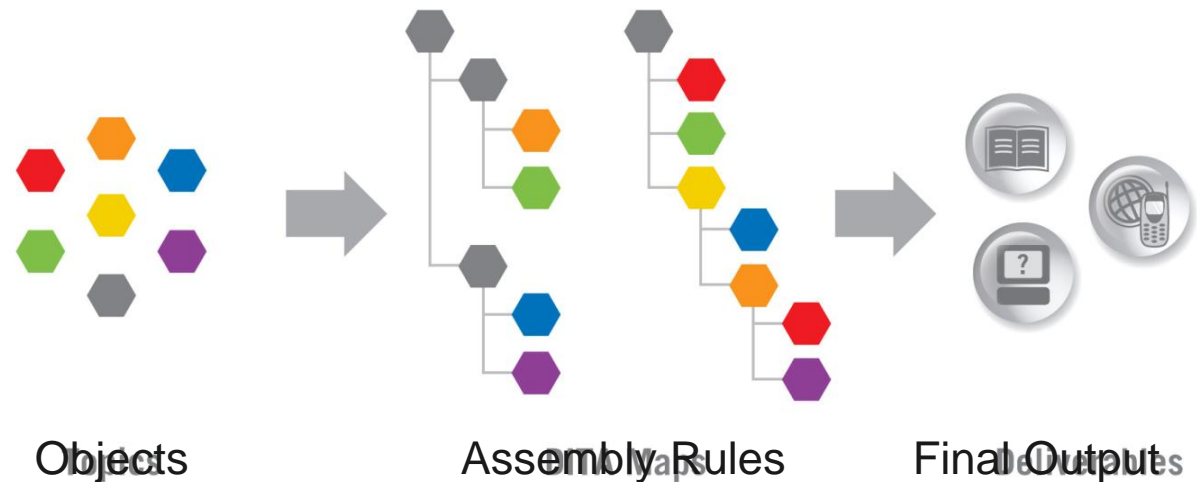


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Technical Publications: Use Cases

- Product documentation
- Training manuals
- Maintenance and Service manuals
- Standard Operating Procedures
- Policies
- E-learning
- Knowledge Base
- On-line Help
- Patent applications
- Legislation authoring
- ...



Imagine what it is like to create and manage content within an organization like IBM

- Imagine how many millions of pages of new content IBM must produce every year
- Imagine how many languages IBM must support
- Imagine how many formats
- Imagine how many ways that content gets re-used & re-purposed within IBM
- What about how IBM Customers and Partners use that same content



How Publishing Content has evolved over time

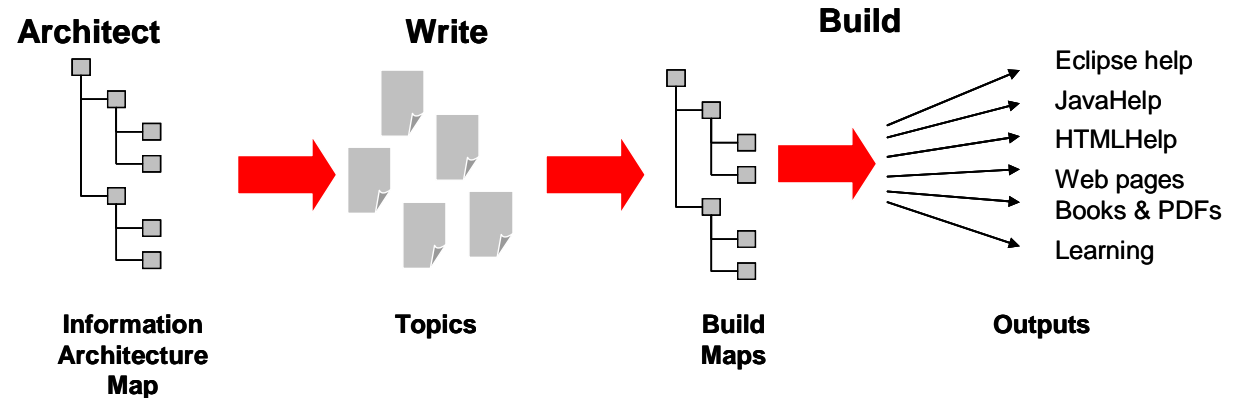
- **SGML** (Standard Generalized Markup Language) came about after years research at IBM starting back in the 1960s when IBM was doing working on a generalized representation of text. Out of that research ANSI introduced the first version of the SGML in 1978 which later became an ISO Standard in 1986 (ISO 8879:1986)
- **HTML** (HyperText Markup Language) is one of the first significant spin offs originating from SGML. HTML was developed out of the European Organization for Nuclear Research (CERN) by Tim Berners-Lee as a means for people in the Physics community to communicate. HTML
- **XML** (Extensible Markup Language) is another significant development that originated from SGML. While HTML was designed to help describe how content is displayed XML describes data.

PDF Portable Document Format Where HTML and XML dynamically display content via the WEB ,PDF has also help convert paper based content into device independent content that can be delivered via the Web but is not dependent on Web technology. This

HAT Help Authoring Tool is yet another popular method of creating on-line content. While primarily used by software applications it's also a popular means for other products to convey content.

DITA (Darwin Information Typing Architecture) is another standard that was originally developed by IBM and is now used today as a means to produce all of the content formats previously mentioned above.

What is DITA? (Darwin Information Typing Architecture)



- **Structured content**

- DITA topics, which can be specialized to support specific information types, for example DITA task
- Separates core content from metadata and links
- Metadata can be managed at topic level (content) or map level (collection)

- **Navigation**

- DITA maps manage relationships among topics
- Tables of contents, site maps, related links...

<http://dita.xml.org/standard>

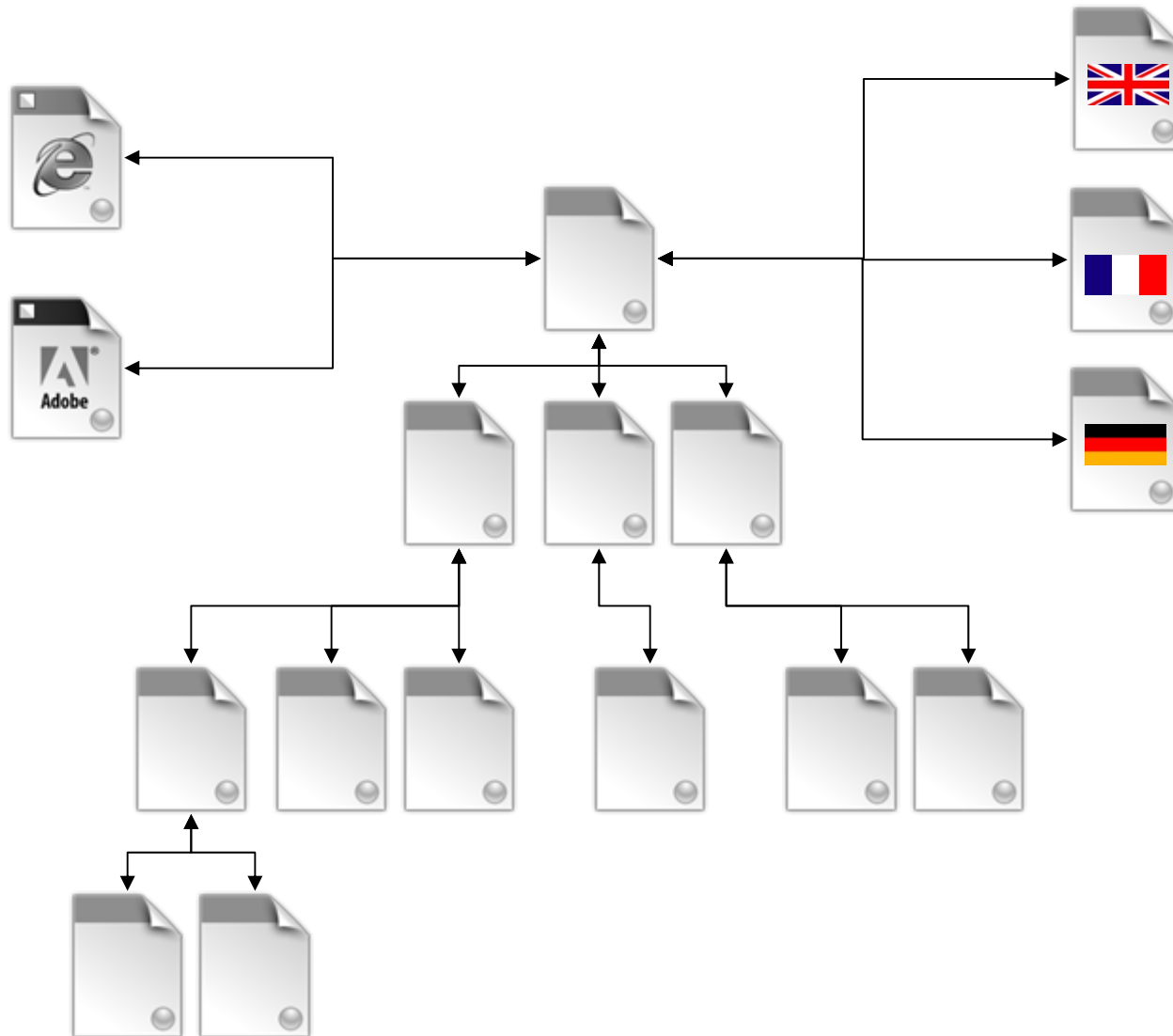
Why DITA and IBM Content Manager

- DITA allows the structure of the publication to be created
- DITA Authoring tools allow editing the topics and maps
- DITA with P8 CM manages the end-to-end publication process
 - Integrity of the document
 - Security
 - Search
 - Component lifecycles
 - Review and Approval
 - Centralized publishing
 - ...

Customer Benefits:

- **Efficiently manage large publication projects**
 - Multiple participants owning sections and activities
 - *IBM CM provides independent review and approval cycles*
- **Single source editing for multiple output channels**
 - DITA* standard transforms to many output formats
 - *Integration with authoring tools*
 - *IBM CM will enhance rendering capabilities for DITA (PDF etc..)*
- **Share common sections with multiple publications**
 - Reduce maintenance/translation costs
 - *IBM provides component sharing and consumability*
 - *IBM provides link integrity management and security*

Managing a Compound Document Framework

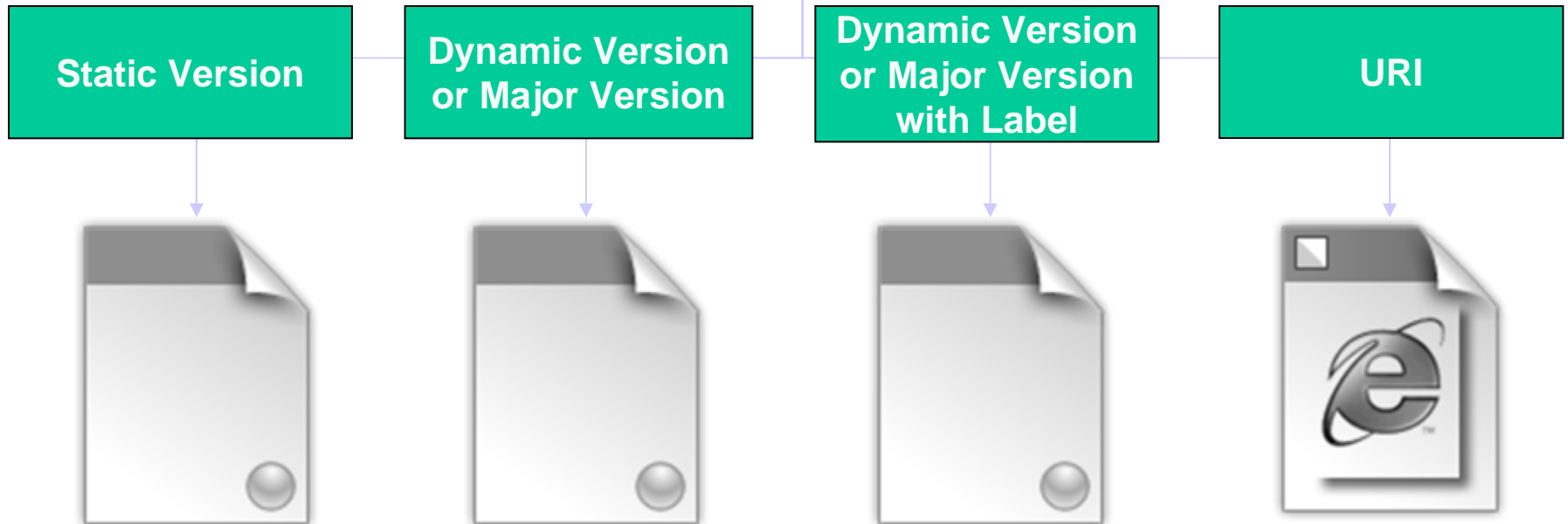


Compound Document Framework

- Object model and API
- Demonstrated in Workplace XT

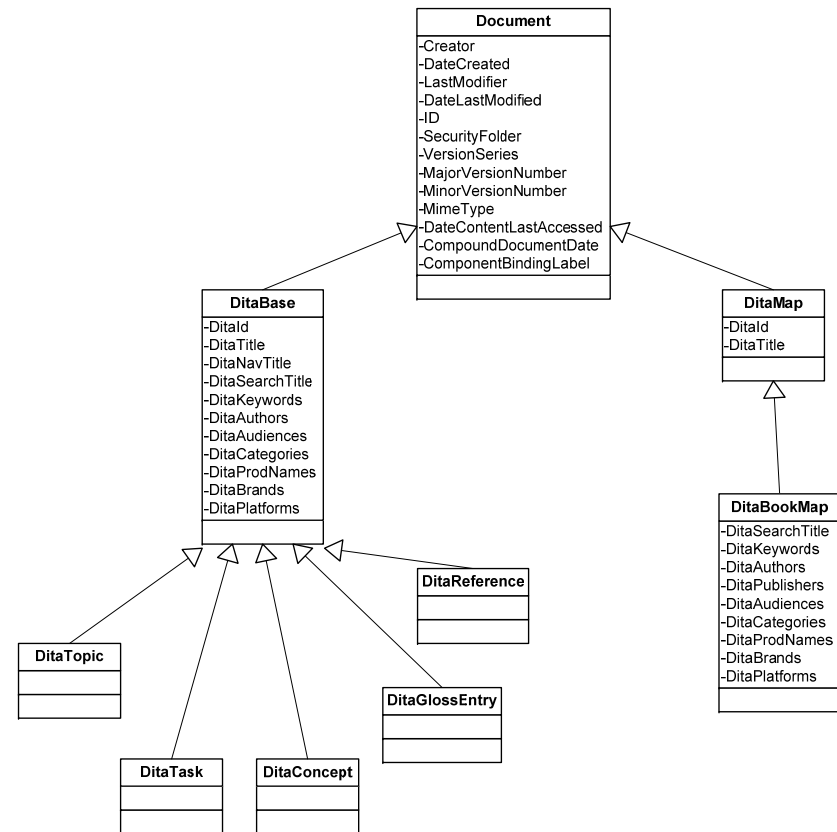


- [-] Master report - site analysis
 - [-] Site report executive summary
 - [-] Executive planning meeting minutes 4/5/05
 - [-] Safety report 2005
 - [-] Landscaping 2007 presentation
 - [-] Landscaping 2007 costing estimates



IBM Content Manager , DITA and Technical Publications

- FileNet P8 provides a DITA-based information development solution that is built upon the following FileNet P8 functionality:
 - Documents
 - Compound Documents
 - Document Classification
 - Query
 - Publishing
- DITA documents :
 - DITA files are stored in IBM CM as document objects.
 - Extended to represent topics , maps and processing profiles.
 - Rich set of metadata



How do you Author Content? XMetaL Author Enterprise – IBM FileNet Edition is a premier authoring tool



Feature Highlights

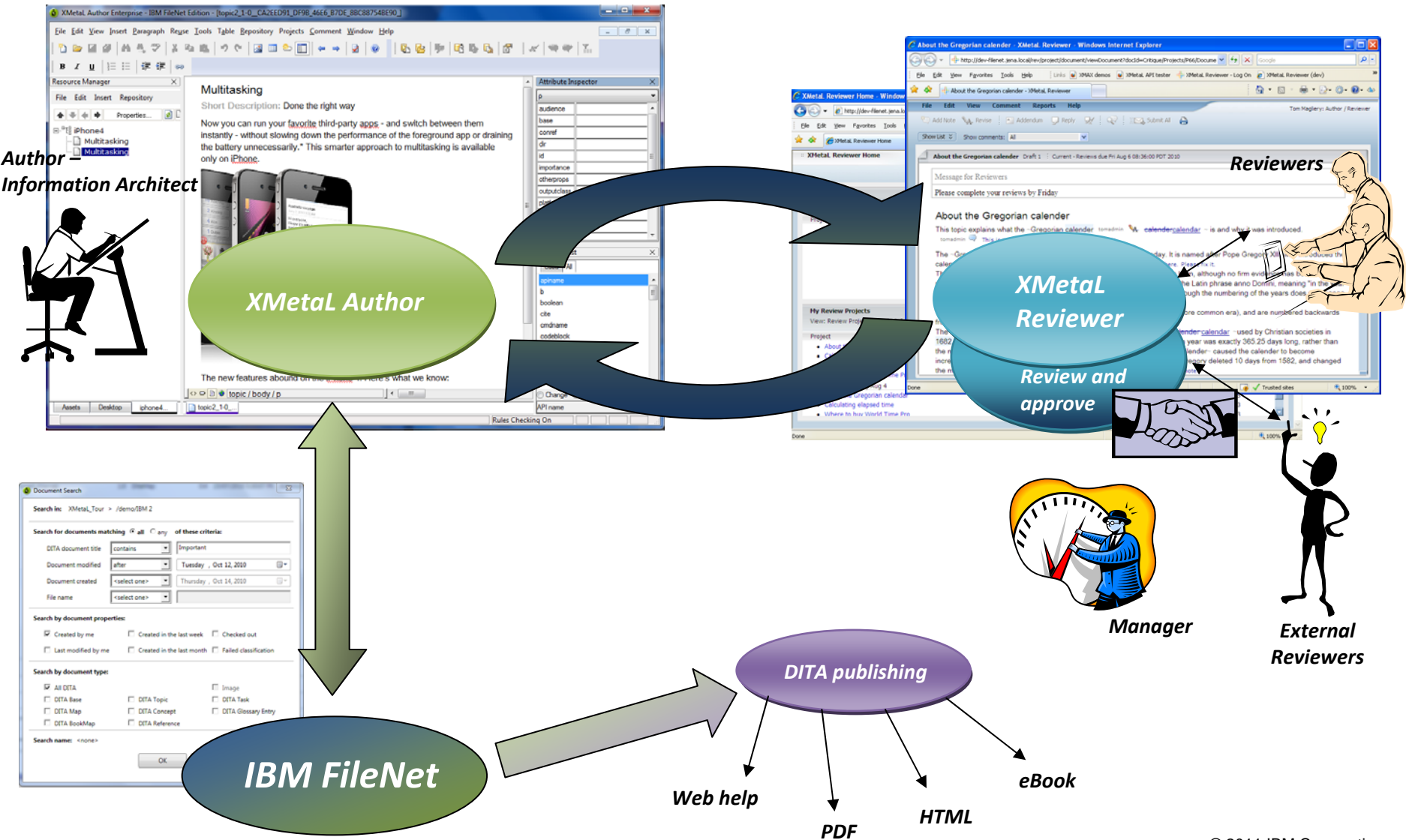
- Connect natively to FileNet CM
- Link to and reuse shared images, DITA topics, DITA reusable components, and multimedia files, as easily as if they were on your own hard drive
- Browse DITA maps in XMetaL using the graphical DITA map editor side panel, accessing referenced topics in FileNet by double-clicking topic titles
- Add new or existing DITA topics to your DITA map directly from your repository, through XMetaL dialogs
- Benefit from FileNet P8 4.5 native DITA support.
- Edit in an easy to use WYSIWYG environment enabling DITA component-based authoring
- Increase productivity with simple drag-and-drop actions and check-in/check-out operations

Demo:
JustSystems XMetaL Author
Enterprise – IBM FileNet Edition

XMetaL Author Enterprise – IBM FileNet Edition

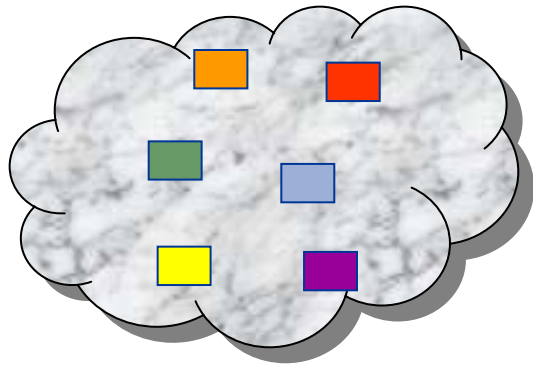
- Fully integrated authoring and reviewing experience
- XMetaL Author Enterprise
 - Best-in-class XML editor
 - Extensive DITA support and DITA Open Toolkit publishing
 - Flexible, extensible, and user-friendly “natural” structured authoring
 - Easy content re-use and document assembly
- XMetaL Reviewer
 - Web-based, process-oriented, real-time, collaborative reviewing
- Seamless integration with IBM FileNet
 - Check-in, check-out
 - Versioning
 - Easy link creation and management
 - Repository search and dynamic saved searches

XMetaL Author – IBM FileNet – solution overview

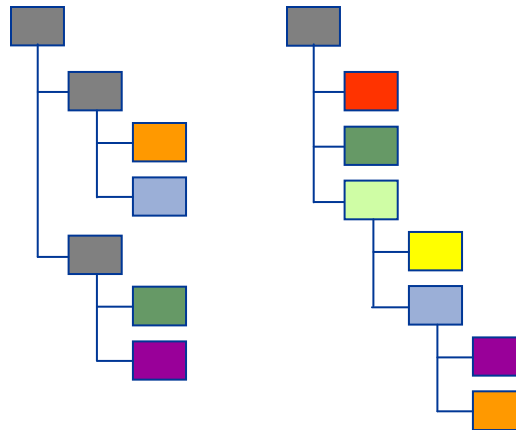


A word or two about DITA

- Content is arranged in small reusable pieces called *topics*
- Topics are organized into deliverables by way of *DITA maps*
- Facilitates content re-use and multi-channel publishing



Topics



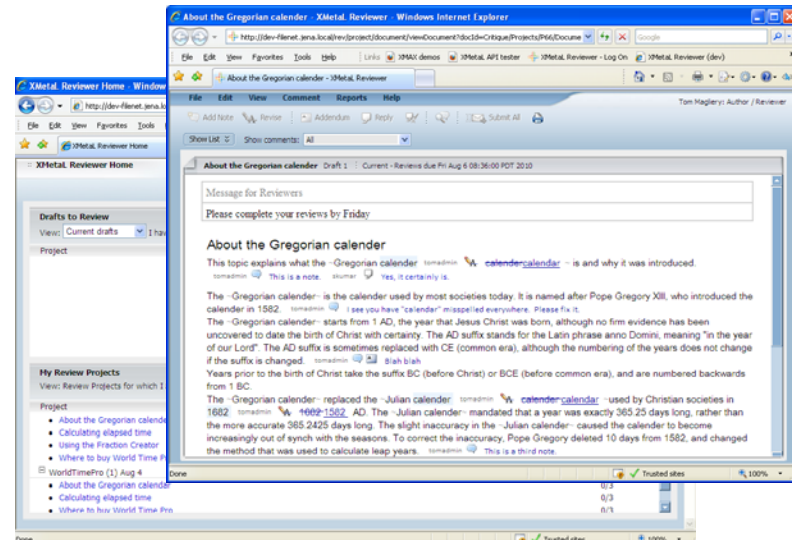
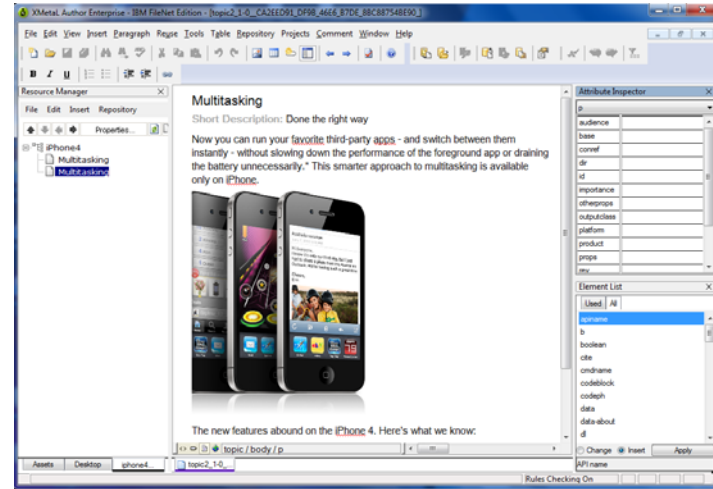
DITA Maps



Deliverables

One scenario, two participants

- **Author's view**
 - Documentation expert using XMetaL Author
 - Owner of the document
 - Manager of the review project
- Demo scenario
 - Repurpose existing document
 - Add new content
 - Link to existing content
 - Send document for review
 - (Later) aggregate reviewers' contributions
- **Reviewer's view**
 - Editor or subject matter expert using XMetaL Reviewer
 - Reviewer, contributor, approver
- Demo scenario
 - Review the document
 - Add new content



Demo agenda

Part 1 (author only): Structured authoring in XMetaL Author

- a. Searching in FileNet and adding new topics to a map**
- b. Editing content in a topic – natural structured authoring**
- c. Reusing content (image, content reference)**
- d. Check-in, check-out, privileges, and versioning**

Part 2 (author and reviewer): XMetaL document review cycle

Demo agenda

Part 1 (author only): Structured authoring in XMetaL Author

Part 2 (author and reviewer): XMetaL document review cycle

a. Creating a review project (XMetaL Author)

– Assigning reviewers

– Automatic check-out from FileNet

b. Reviewing the draft (XMetaL Reviewer)

c. Post-review, incorporating comments (XMetaL Author)

Demo agenda

Part 1 (author only): Structured authoring in XMetaL Author

Part 2 (author and reviewer): XMetaL document review cycle

a. Creating a review project (XMetaL Author)

b. Reviewing the draft (XMetaL Reviewer)

– E-mail notifications

– Adding comments

– Adding new structured content

c. Post-review, incorporating comments (XMetaL Author)

Demo agenda

Part 1 (author only): Structured authoring in XMetaL Author

Part 2 (author and reviewer): XMetaL document review cycle

- a. Creating a review project (XMetaL Author)
- b. Reviewing the draft (XMetaL Reviewer)
- c. Post-review, incorporating comments (XMetaL Author)**
 - Tracking progress of reviews**
 - Ending the review cycle**
 - Integrating comments with assisted authoring**
- d. Publishing**

Demo wrap-up: What we just saw

- Content reuse and repurposing with DITA
- Natural structured authoring in XMetaL Author
- Seamless integration between XMetaL Author and IBM FileNet
 - Check in/out, search, linking
- Real-time, collaborative, native XML reviewing
- Multi-channel publishing

Thank you for attending!

Q&A

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