

Oxygen Markdown Support

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Agenda

- Markdown – the markup language
- Markdown editing experience in Oxygen
- Markdown and DITA working together
- Validation and check for completeness (Quality Assurance)

What is Markdown?

- Easy to learn
- Minimalistic
- Many authoring tools available
- Publishing tools

Create a Google account

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How to create or set up your **Google Account** on your mobile phone.

- * From a Home screen, swipe up to access Apps.
- * Tap **Settings** > **Accounts**
- * Tap **Add account** > **Google**.

Working with Markdown

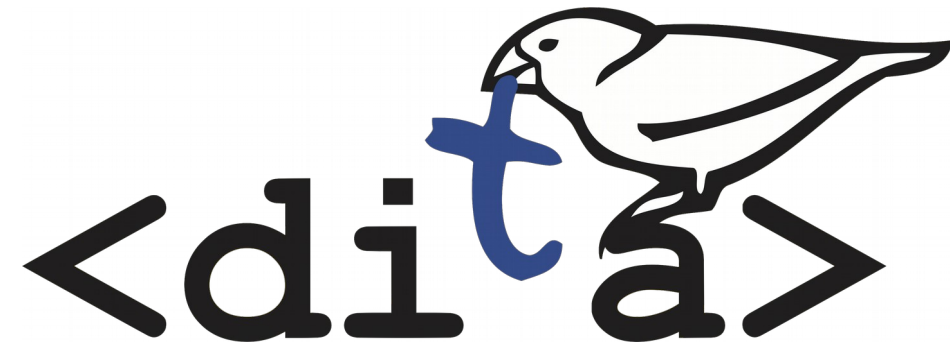
- Templates
- Editing and toolbar actions (GitHub Flavored Markdown)
- HTML/DITA/XDITA Preview
- Export actions
- Oxygen XML Web Author

DITA-Markdown hybrid projects

- Main documentation project written in DITA
- SME(s) (developers) contribute content in Markdown

What is DITA?

- DITA is an XML-based open standard
- Semantic markup
- Strong reuse concepts
- Restrictions and specializations
- Huge ecosystem of publishing choices



Using specific DITA concepts in Markdown

- Metadata
- Specialization types
- Titles and document structure
- Image and key references
- <https://github.com/jelovirt/dita-ot-markdown/wiki/Syntax-reference>



What is Lightweight DITA?

- Lightweight DITA is a proposed standard for expressing simplified DITA documents in XML(XDITA), HTML(HDITA), and Markdown(MDITA)
- *“The model / structure matters the most. Not the markup you use.”*

Quality Assurance aspects

- Content quality
 - Style and voice
 - *“I love my parents, LadyGaga and HumptyDumpty.”* - Oxford comma usage
- Structure quality
 - *“1. A list with just one list”* - a list with only one item
 - *“![A beautiful flower]()”* - an image without a reference
 - Missing heading level
 - # Heading one*
 - ### Heading three*

The Style Guides

- Set of standards/rules for the writing and design of content
- How do we enforce it? How do we automate its rules?



Content Quality - Vale

- A tool to automatically analyze files to ensure they follow a vocabulary style guide. <https://errata-ai.github.io/vale/>
- Supports plain text, markup (Markdown, reStructuredText, AsciiDoc, and HTML)
- YAML-based extension system



Vale rule example

extends: existence

message: "Don't use end punctuation in headings."

link: <https://docs.microsoft.com/en-us/style-guide/punctuation/periods>

nonword: true

level: warning

scope: heading

tokens:

- '[a-z0-9][.?!](?:\s|\$)'

Vale Style Guide implementations

- Microsoft Writing Style Guide
 - *<https://github.com/errata-ai/Microsoft>*
- Google Developer Documentation Style Guide
 - *<https://github.com/errata-ai/Google>*

Oxygen Vale Plugin

- *“The best time to fix an error is at editing time.”*
- Vale analysis integrated in Oxygen

Structure Quality

- Markdowns is not a standard.
- How do we check if it respects the model / structure?
 - <https://github.com/IBM-Cloud/docs-services/tree/staging#using-the-copyright-and-last-updated-header-required>
 - https://raw.githubusercontent.com/IBM-Cloud/docs-services/staging/getting_started_template/servicename_task.md

Consistency challenges

- XML has Schematron
- Schematron does structure checks, too

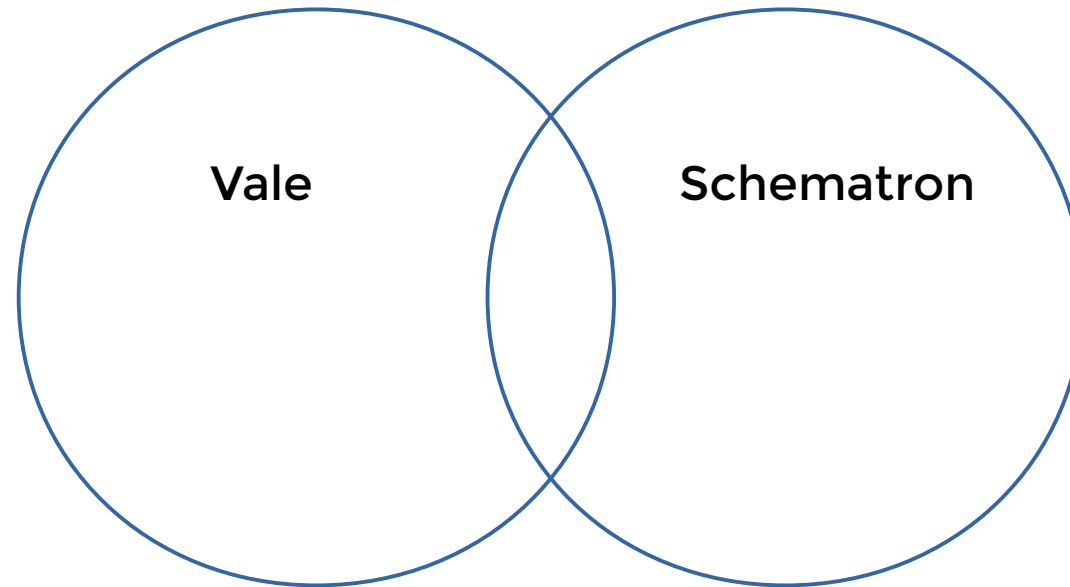
```
<sch:pattern>  
  <sch:rule context="topic">  
    <sch:assert test="shortdesc">Please add a short description.</sch:assert>  
  </sch:rule>  
</sch:pattern>
```



Schematron for Markdown

- Markdown syntax maps to a subset of HTML tags
- Apply Schematron on the HTML with back-mapping support
- Demo Time

Enforcing your Styleguide



THANK YOU!

Any questions?

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