

What's Markdown?

Markdown is a lightweight markup language that you can use to add formatting elements to plaintext text documents.

Created by John Gruber in 2004, Markdown is now one of the world's most popular markup languages.

Agenda

- Markdown Editor
- Actions Available in the Markdown Editor
- Markdown Editor Syntax Rules and Specifications
- Automatic Validation in Markdown Documents
- Validation with Schematron in Markdown Documents

Markdown Editor

Text Editor Pane

WYSIWYG Preview Pane

The screenshot shows the Oxygen editor interface with a split view. The left pane is the Text Editor Pane, showing the raw Markdown code for a file named 'sample.md'. The right pane is the WYSIWYG Preview Pane, showing the rendered HTML output of the same code. The code in the text editor includes headers, a table, a link list, and an image placeholder. The preview pane shows these elements rendered as a blue header, a table with three columns, a list of links, and a yellow chrysanthemum image.

```
21 ### Header 3
22
23 Table sample:
24
25 | Tables | Are | Cool |
26 | ----- |:-----:| -----:|
27 | col 3 is | right-aligned | $1600 |
28 | col 2 is | centered | $12 |
29 | zebra stripes | are neat | $1 |
30
31 #### Header 4
32
33 I get 10 times more traffic from [Google][1] than
34
35 [1]: http://google.com/      'Google'
36 [2]: http://search.yahoo.com/ "Yahoo Search"
37 [3]: http://search.msn.com/  (MSN Search)
38
39 ##### Header 5
40
41 This is an image:
42 ! [A beautiful flower] (../dita/flowers/images/Chrys
43
44
45 * [markdown-it] (https://github.com/markdown-it/mar
46 * [CodeMirror] (http://codemirror.net/) for the awe
47 * [highlight.js] (http://softwaremaniacs.org/soft/h
48 * [js-deflate] (https://github.com/dankogai/js-defl
49
```

Rendered Preview:

Header 3

Table sample:


Tables	Are	Cool
col 3 is	right-aligned	\$1600
col 2 is	centered	\$12
zebra stripes	are neat	\$1

Header 4

I get 10 times more traffic from [Google](http://google.com/) than from [Yahoo Search](http://search.yahoo.com/) or [MSN Search](http://search.msn.com/).

Header 5

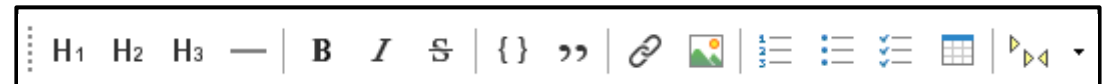
This is an image:



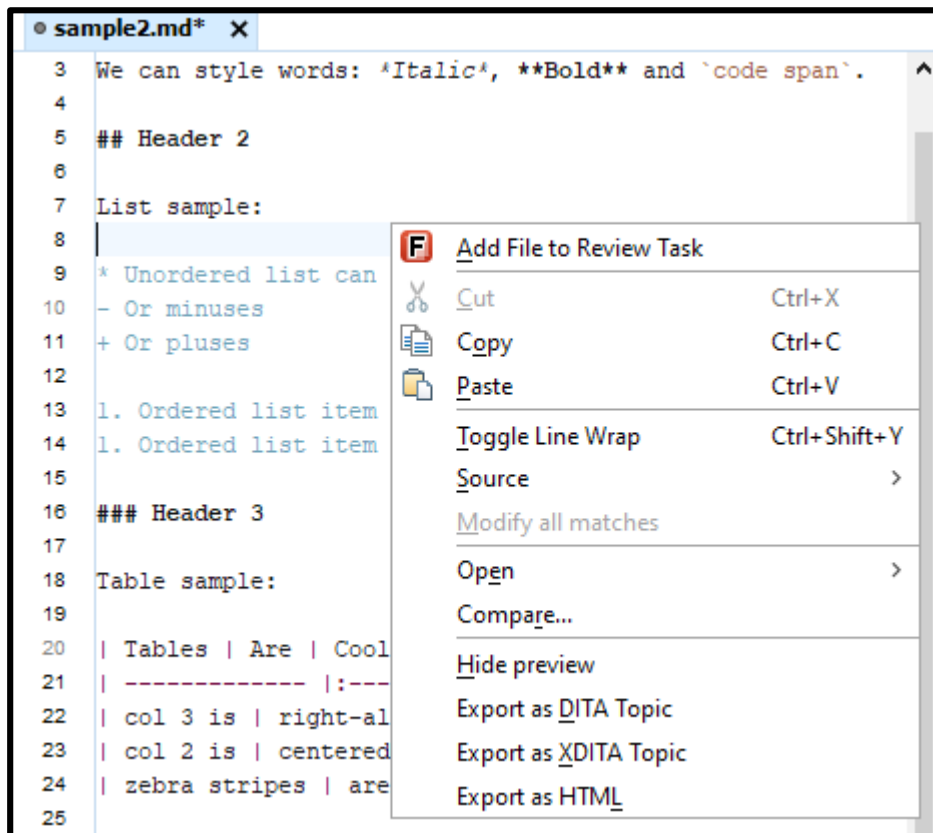
DITA | XDITA | HTML

Actions Available in the Markdown Editor

Toolbar actions



Text pane contextual menu



WYSIWYG pane contextual menu



Automatic Validation

- Improper order of headers.

```
1  
2 # Title  
3  
4  
5 ### Title 3  
6
```

The conversion to DITA failed

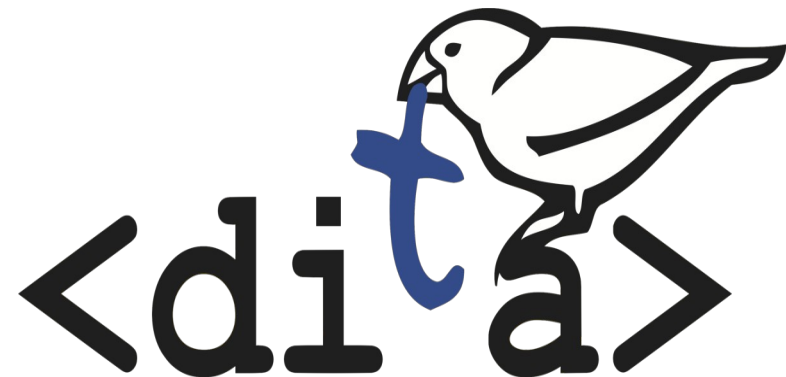
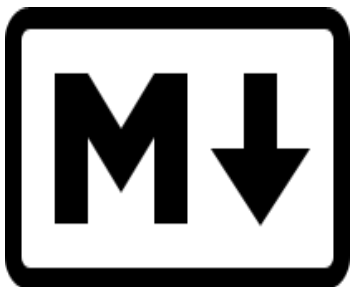
Header level raised from 1 to 3 without intermediate header level

- The syntax in a documents begins with something other than a 1st level header.

```
1  
2 ## Title  
3  
4  
5 ### Title 3  
6
```

The conversion to DITA failed

Header level raised from 0 to 2 without intermediate header level



Validation with Schematron

WHY ?

- Markdown lacks semantics
- Consistency challenges (not a standard, can receive different flavors)

See:

- <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

Validation with Schematron HOW ?

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

Validation with Schematron (I)

There are two ways to create an association between Markdown documents and Schematron files:

- 1) You can configure an association using the [Markdown preferences page](#). You can specify a Schematron file to validate converted HTML content, as well as one to validate converted DITA content.

Validation with Schematron(II)

2) You can create a Schematron association for Markdown documents by adding a catalog mapping for one of the following URIs:

- <http://www.oxygenxml.com/schematron/validation/markdown-as-html> - The obtained Schematron will be applied over HTML conversions.
- <http://www.oxygenxml.com/schematron/validation/markdown-as-dita> - The obtained Schematron will be applied over DITA conversions.

NOTE:

The catalog mapping is a fallback in case the Schematron validation is disabled in the [Markdown preferences page](#) or the path to the Schematron file is empty.

THANK YOU!

Any questions?

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