



# White Paper

## Fabasoft Flavored Markdown

2024 August Release

Copyright © Fabasoft R&D GmbH, Linz, Austria, 2024.

All rights reserved. All hardware and software names used are registered trade names and/or registered trademarks of the respective manufacturers.

No rights to our software or our professional services, or results of our professional services, or other protected rights can be based on the handing over and presentation of these documents.

## Contents

<b>1 Introduction</b>	<b>4</b>
<b>2 CommonMark Specification</b>	<b>4</b>
<b>3 Container Blocks</b>	<b>4</b>
3.1 Nesting Limits.....	4
3.2 Practical Considerations .....	4
<b>4 Collapsible Extension</b>	<b>4</b>
4.1 Collapsible Section .....	5
4.2 Nesting Multiple Collapsible Sections.....	5
4.3 Using the Tilde Symbol .....	5
4.4 Summary and Content.....	6

## 1 Introduction

Fabasoftware Flavored Markdown (FFM) is an enhanced variation of Markdown, building upon the foundation of CommonMark while incorporating specialized features tailored for the Fabasoftware platform. Fabasoftware Flavored Markdown expands the capabilities of Markdown to better serve the needs of Fabasoftware users.

Fabasoftware Flavored Markdown adheres to the core principles of CommonMark, ensuring compatibility with standard Markdown syntax. However, it goes beyond the baseline specifications by introducing a range of extensions and optimizations. All the features which are supported in Fabasoftware Flavored Markdown and that are not specified on the original CommonMark specification are hence known as extensions.

Fabasoftware implements additional post-processing and sanitization measures to uphold the security and consistency of content authored in Fabasoftware Flavored Markdown. This ensures that documents remain safeguarded against potential vulnerabilities.

## 2 CommonMark Specification

You can find an overview of the supported syntax in the CommonMark specification here: <https://spec.commonmark.org/0.31.2/>

The following functionality of CommonMark is not allowed in Fabasoftware Flavored Markdown:

- HTML blocks
- Images
- Raw HTML

## 3 Container Blocks

This document provides guidelines on nesting container blocks in Markdown, extending the existing CommonMark definition of container blocks, which can be found here: <https://spec.commonmark.org/0.31.2/#container-blocks>.

### 3.1 Nesting Limits

Due to technical limitations, container blocks should not be nested too deeply.

### 3.2 Practical Considerations

To maintain readability and ensure proper rendering, it is important to avoid excessive nesting.

## 4 Collapsible Extension

Fabasoftware Flavored Markdown introduces the “Collapsible” extension, building upon the fenced code block already existing in CommonMark. This extension enables users to create collapsible sections of content with a displayed title. When rendered, for instance, as HTML, it comprises the HTML elements `details` and `summary`.

## 4.1 Collapsible Section

To create a collapsible section, the following syntax is used:

### Example

```
```fenced-extension collapsible summary="Title" open
Content
```
```

In this syntax:

- The backtick symbol ``` is utilized as the delimiter for both the beginning and end of the collapsible section.
- The use of `fenced-extension` is necessary to identify it as a specific type of fenced code block.
- The inclusion of `collapsible` specifies the type of fenced extension to be employed.
- Optional parameters can be added at the end, including:
  - `summary`, which dictates the content displayed as the title of the collapsible section when it is collapsed. The summary element only accepts plain text. If not provided, the title will be empty.
  - `open`, which allows the collapsible section to remain expanded by default. If omitted, the section will start collapsed.
- `Content` is the visible content when the section is expanded, possibly including various types of blocks and inline elements.

## 4.2 Nesting Multiple Collapsible Sections

Nesting multiple collapsible sections can be done by adding a backtick ``` to the outer collapsible section:

### Example

```
````fenced-extension collapsible summary="Outer collapsible"
Outer collapsible content
```fenced-extension collapsible summary="Inner collapsible"
Inner collapsible content
```
Outer collapsible content
````
```

## 4.3 Using the Tilde Symbol

It is also possible to use the tilde symbol `~` instead of the backtick symbol ``` for delimiting collapsible sections, as demonstrated below:

### Example

```
~~~fenced-extension collapsible summary="Title"
Content
~~~
```

When employing `~` instead of ``` for delimiting collapsible sections, the same rules still apply. It is important to note that mixing these two delimiters within the same collapsible section is not

permitted; if one is used, the other cannot be used for the same section. However, collapsible sections with different delimiters can still be nested inside each other.

### Example

```
~~~~fenced-extension collapsible summary="Tilde"
Outer collapsible content
  ``fenced-extension collapsible summary="Backtick"
  Inner collapsible content
  ```
Outer collapsible content
~~~~

  ``fenced-extension collapsible summary="Backtick"
  Outer collapsible content
  ~~~fenced-extension collapsible summary="Tilde"
  Inner collapsible content
  ~~~
  Outer collapsible content
  ````
```

## 4.4 Summary and Content

Though the title (summary) is restricted to plain text, the content within the collapsible section can encompass any existing block or text with markup available in Fabasoft Flavored Markdown. Examples of this can be observed below.

### Example

```
``fenced-extension collapsible summary="Heading"
# Heading inside the collapsible section
```

``fenced-extension collapsible summary="Emphases"
***This text is bold and italic***
```

``fenced-extension collapsible summary="List"
- Item one
- Item two
- Item three

* Item one
* Item two
* Item three
```

``fenced-extension collapsible summary="Link"
[Example] (www.example.com)
```
```