Lightweight Presentation

Overview

- What is Marp?
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- Getting Started with Marp (VS Code)
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What is Marp?

Marp is a **Markdown** presentation tool that uses **HTML** and **CSS** to render slides.

What is Marp?

Marp can help you create insanely fast simple presentations for every day use and modify them in a quick and easy way since the slides are written in Markdown.

When/Why to use Marp?

- Great for **simple** presentations that are **not complex**
- Suited when you want highly **customizable** presentations
- Fast generation of slides
- Easy to modify slides
- Easy to export slides to various formats, like PDF, HTML, etc. and therefore easy to share

Getting Started with Marp (VS Code)

For getting started with Marp, you need to install the Marp for VS Code extension.

Getting Started with Marp (VS Code)

After installing the extension, you can create a new document with the *typical* md extension (e.g. `presentation.md`).

Getting Started with Marp (VS Code)

The empty file now needs to be filled with some meta data such that this can be identified as a Marp presentation.

```
---
marp: true
theme: uncover
header: 'Your Presentation Title'
footer: 'by: @your_name'
paginate: true
---
```
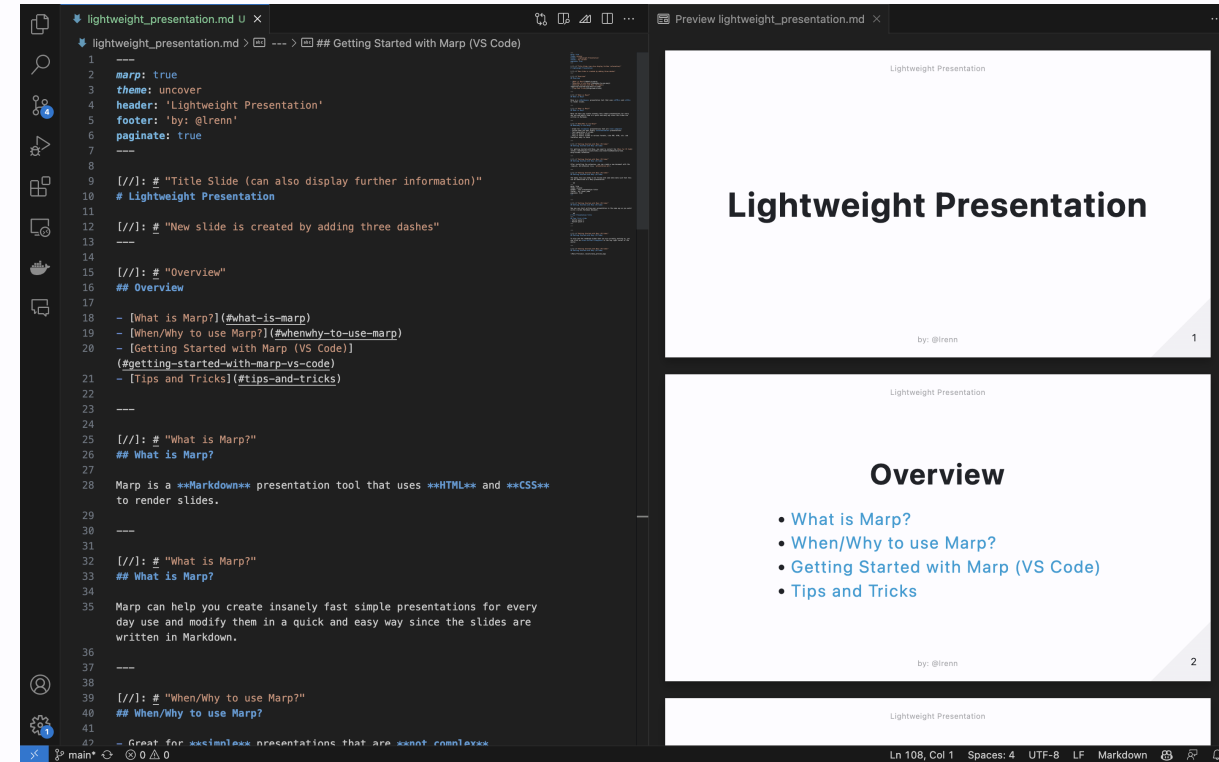
Getting Started with Marp (VS Code)

Now you can start writing your presentation in the same way as you would write a normal Markdown document.

```
# Your Presentation Title
___

## Your first slide
- Bullet point 1
- Bullet point 2
___

...
```

Getting Started with Marp (VS Code)

To also see the rendered slides that you are currently working on, you can click on **the preview icon** in the top right corner of the editor.

Getting Started with Marp (VS Code)

Getting Started with Marp (VS Code)

To export your presentation, you can can open the **command palette** and search for `Marp: Export slide deck` .

Syntax and Slides

As already mentioned before Marp is extremely suited for simple presentations. For more complex presentations, you might want to use a different tool like Keynote or PowerPoint.

Syntax and Slides

The more complex your slide needs to be, the more you need to write customized *code* that can sometimes be real pain. Nevertheless, if you put in the effort to once have a template for a variety of slides, you can reuse them in the future and make marp a great tool for **all** your presentations.

Syntax and Slides

Sample Slides

Syntax and Slides

Sample Slides

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Syntax and Slides

List with animation:

- Bullet point 1
- Bullet point 2
- Bullet point 3

When exporting the slides to HTML the bullet points are shown one after another. In PDF, all bullet points are shown at once.

Syntax and Slides

Table in Markdown:

Column 1	Column 2	Column 3
Cell 1	Cell 2	Cell 3
Cell 4	Cell 5	Cell 6

Syntax and Slides

TODOs list do not work in Marp, but you can use the following workaround:

✅ Task 1
✅ Task 2
⬜ Task 3

Syntax and Slides

Support for math equations:

$$\frac{1}{2} \cdot \frac{1}{3} = \frac{1}{6}$$

Syntax and Slides

Support for **syntax highlighted code blocks**:

```python
def hello_world():
    print("Hello World!")
```

Syntax and Slides

To add your own theme, you can create a CSS file and add it to the meta data of your presentation.

Instead of `theme: uncover` you can then use `theme: your_theme.css` .

Syntax and Slides

The css file looks like this:

```css
/* @theme your-theme */

@import 'default';

h1 {
  color: red;
}
```

Taken from here.

Conclusion

Marp is a great tool for creating simple presentations. As a markdown lover I really like using it and learn more about it.

Check out the Marpit Documentation for more information.