ÚFAL slides template

This time in [Marp](#)!

Zdeněk Kasner

📅 9 Sep 2025

What is this?

What is this?

- This slide deck is created in **Marp**, a Markdown-to-slides framework.

- It is styled with the `ufal.css` template:

    - Inspired by the ÚFAL Google Slides template and Milan Straka's SliMD template.
    - You can also contribute! 🤜

Main features

◆ **Easy editing**: Enjoy the power of your favourite Markdown editor.

⊙ **Git versioning**: Slides are simple plain text files (+assets).

🪧 **LaTeX support**: Proper support of $\LaTeX$ typesetting.

🖋️ **Consistent style:** Everything is nicely aligned without extra effort.

⚡ **Powerful content:** You can use full-fledged HTML if needed.

🦶 **Auto-footer**: No more manual copying of the bottom orange bar 💪

📄 **Popular framework**: Marp has good <u>user support</u> and <u>docs</u>.

How to use it?

You can use the Markdown syntax for creating slides:

For example, this is an H3 header.

- This is a bulleted list.
  - With a nested item.

1. And this is a numbered list.

You can also use **bold text**, *italic text*, ~~strikethrough~~, [links](https://ufal.cz), monospace text, etc.

The --- sequence works as the slide delimiter.

Slide layouts

Slide layout can be modified using class directives `<!-- _class: classname -->`:

- `large` - Bigger font
- `huge` - Even bigger font
- `center` - Center-aligned content
- `middle` - Vertically centered
- `blank` - No header/footer, clean layout
- `part` - Section divider
- `summary` - Final slide with boxed content
- `no-logo` - No ÚFAL logo in the corner

Combine classes: `<!-- _class: center middle huge -->`

Working with images

Image placement and sizing

Use [Marp image syntax](#) to include an image:

```
![height:150px](img/transformer.png)
```


Or [enable HTML tags](#) to use `<img>` elements:

```
<img src="img/transformer.png" style="width: 100px;"/>
```

This slide uses the `center` class.

LaTeX typesetting

You can render both inline $\LaTeX$ and separate equations:

$$\mathcal{L}(\theta) = \sum_{i=1}^{n} \log p(y_i | x_i, \theta) - \lambda \|\theta\|_2^2$$

This slide uses classes center, middle, huge, and blank.

Code blocks & columns

Python code

Syntax highlighting is supported:

```python
def factorial(n):
    if n == 0:
        return 1
    else:
        return n * factorial(n - 1)
```

Use class `col{2,3,4}` for multiple columns.

Javascript code

We use `<style scoped>` for making code font size larger on this slide.

```javascript
function greet(name) {
    console.log(`Hello, ${name}!`);
}
```

Tables

Model	BLEU ↑	ROUGE-L ↑	Parameters	Training Time
Transformer	34.2	56.8	110M	12h
GPT-3.5	38.7	61.2	175B	-
Our Model	**41.3**	**64.1**	125M	8h

- The `tablewide` class stretches the table to full width.
- You can add the source link (or any other text) to the top right using the `<!-- _header: text -->` directive.

How to animate lists

- This is an **animated bulleted list** 💣

- How is that possible?

- Because we use `'*'` instead of `'-'` for the bullets! 💡

1. Similarly, this numbered list using `'X)'` instead of `'X.'` is animated.

2. Of course this works only in HTML, not PDFs.
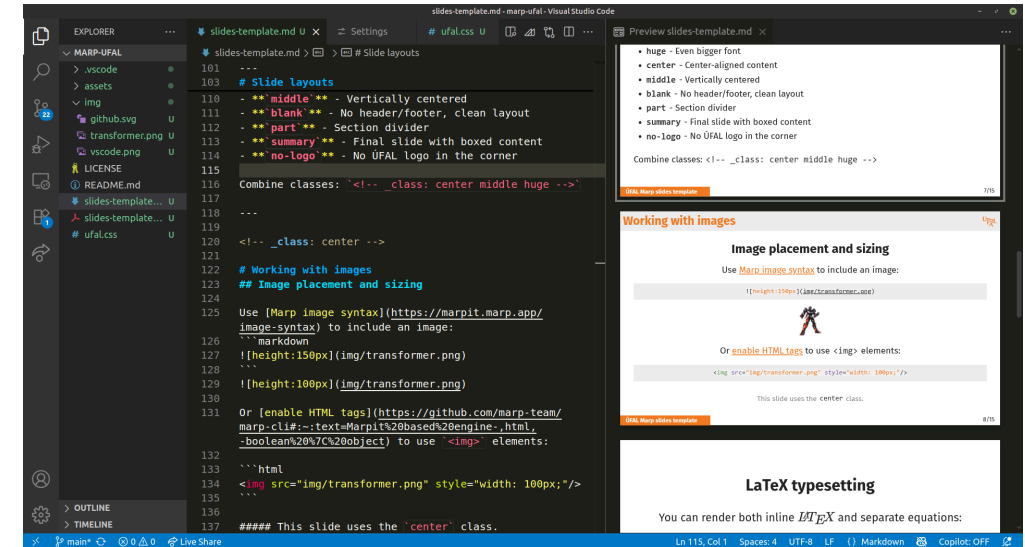
3. You can still copy the slides for PDF animations.

Practical tips

VSCode plugin

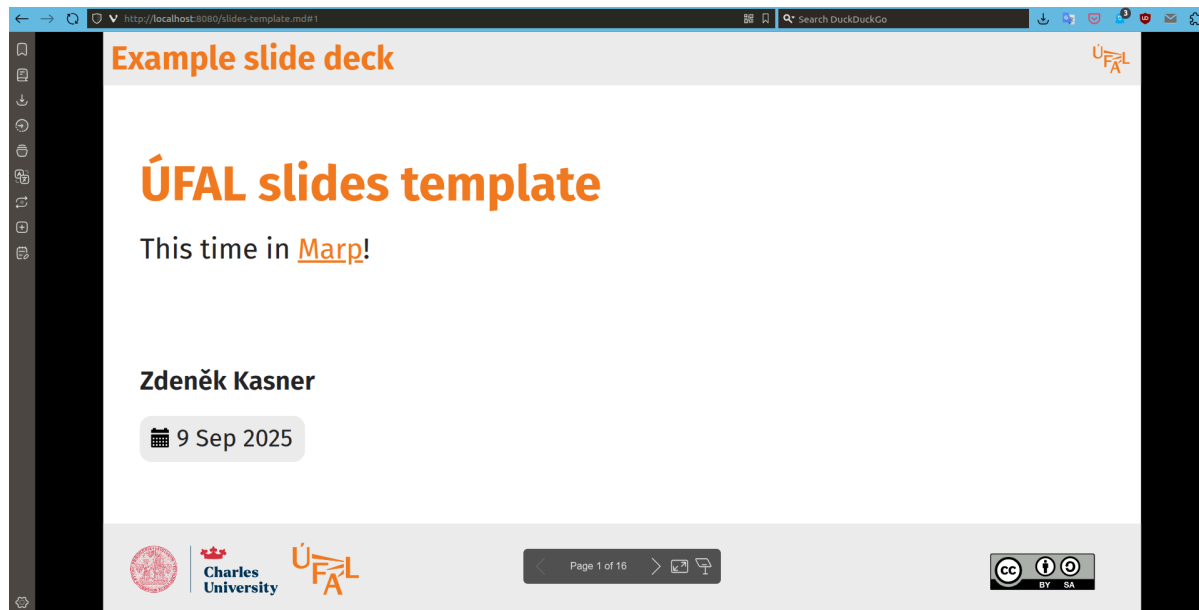Install the Marp VSCode plugin to get **live preview**.

Also see the following settings:

- `markdown.marp.themes`: Add the path to `ufal.css`.
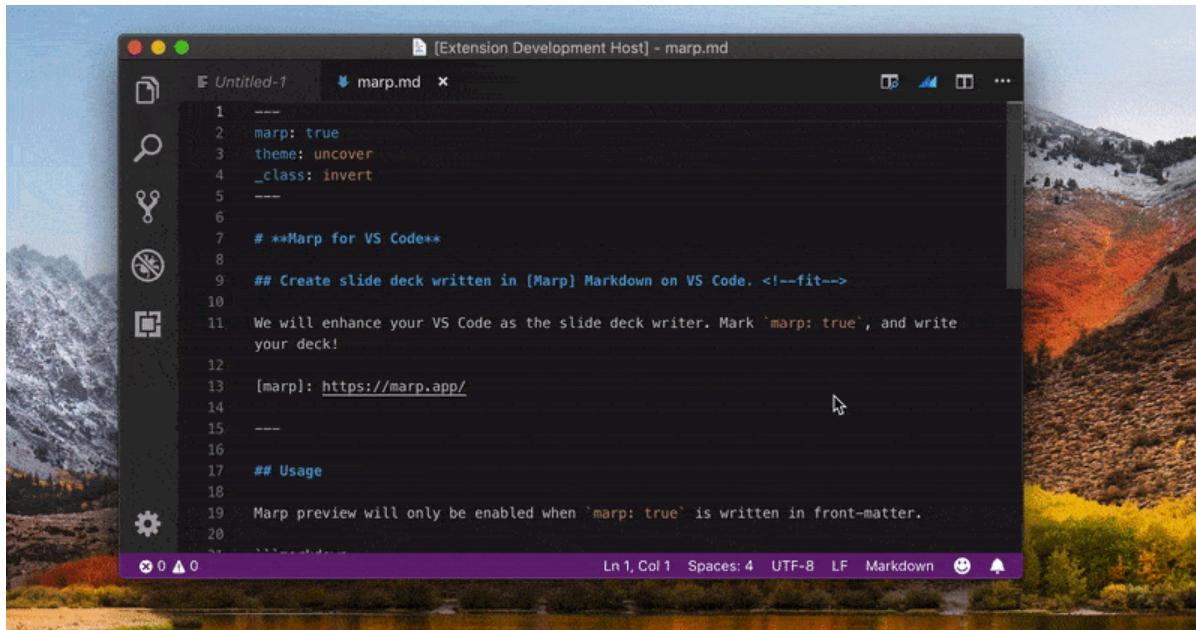- `markdown.marp.html`: Set to `all` (if you trust your code).

`marp-cli` live server

```
$ marp --html -s .
[  INFO ] [Server mode] Start server listened at http://localhost:8080/ ...
```

VSCode

marp-cli

```
$ marp slide-deck.md -o output.html
$ marp slide-deck.md -o converted.pdf
$ marp slide-deck.md -o converted.pptx
```

Thank you for using the template!

Takeaways

Marp is easy to learn and easy to use.

Give **Marp** a chance! 😎

https://github.com/kasnerz/marp-ufal