

REVEALS
INTRODUCTION
BY KNECHT

**WHY
REVEAL?**

DO YOU KNOW THIS?

Who is Doing What Well?

Green Buildings

- Energy-efficient buildings proved their worth (TI, Intel, Cymer, etc.)
 - Energy savings
 - Better resource use
 - Increased value at sale
- Metrics for credits?
 - Carbon storage
 - Energy generation
 - Selling wastestream
- ASTM E06 committee
 - Buildings first
 - Products next
- ANSI EPA Off to Races

Green Products

- SEMI members- many "one-attribute" standards to use
 - S23-0708 (Energy efficient)
 - S16-0307 (End of Life)
 - GRI G3 Guidelines
- ANSI "sustainable" SDOs in high-tech arena
 - ASTM - Products Next
 - IEEE - Ad hoc 2/09 Sustainability + Earth-monitoring network
 - Leonardo Academy - SCS-002 "LCA label"
 - Gives 25% of seat to environmentalists
 - Accreditation challenged

HOW TO DIFF?



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DO YOU KNOW THIS?

The screenshot shows a GitHub repository page for 'Blue-Sharp / sbs'. The repository has 5 watchers, 4 stars, and 2 forks. The navigation bar includes links for Code, Issues (12), Pull requests (0), Projects (1), Wiki, Insights, and Settings. The file 'sbs / README.md' is selected, and the 'Edit file' tab is active. The file content is as follows:

```
1 # sbs
2 Studenten bilden Schüler (SBS) Online-Verwaltungssystem (OVS) und API
3
4 ## Requirements
5
6 - Java JDK 1.8
7 - Maven 3.5
8
```

At the top right of the repository view, there are buttons for 'Unwatch' (5), 'Unstar' (4), and 'Fork' (2). Below the repository name, there are tabs for 'Code', 'Issues 12', 'Pull requests 0', 'Projects 1', 'Wiki', 'Insights', and 'Settings'. The 'Code' tab is selected. Below the tabs, there is a search bar with 'sbs / README.md' entered and a button to 'or cancel'. The 'Edit file' tab is active, showing the file content in a code editor. The file content is as follows:

```
1 # sbs
2 Studenten bilden Schüler (SBS) Online-Verwaltungssystem (OVS) und API
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4 ## Requirements
5
6 - Java JDK 1.8
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8
```

HOW ABOUT THAT?

HTML



CSS



JS



source

WEBTECHNOLOGIES + MARKUP LANGUAGE
= ???

REVEALS

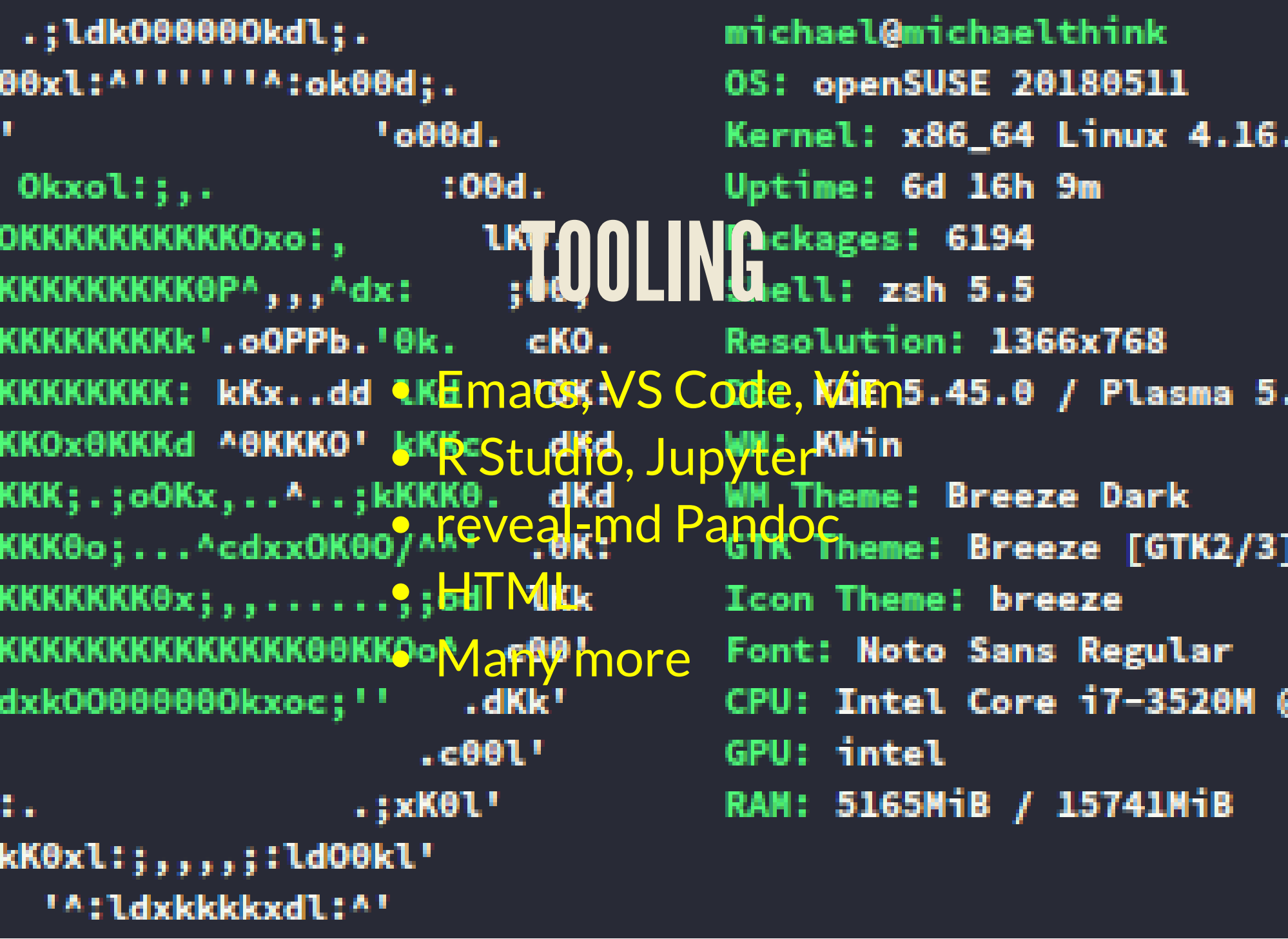
WHAT IS THAT?

- Framework for HTML presentations
- Support for Markdown, orgmode, rST, and more
- Speaker notes, pdf export, API, and more

SYNTAX

```
0  ---
1  theme : "moon"
2  transition: "zoom"
3  highlightTheme: "darkula"
4  slidenumber: true
5
6  ---
7
8  # Revealjs <br> Quickstart
9
10 ---
11
12 # Why <br> Reveal?
13
14 ---
15
16 ## Do you know this?
17
18  <!-- .element height="750%" width="75%" -->
19
```

source of this presentation and a slightly more extensive example



TOOLING

- Emacs, VS Code, Vim
- R Studio, Jupyter
- reveal-md Pandoc
- HTML
- Many more

michael@michaelthink
OS: openSUSE 20180511
Kernel: x86_64 Linux 4.16.
Uptime: 6d 16h 9m
Packages: 6194
Shell: zsh 5.5
Resolution: 1366x768
TDE KDE 5.45.0 / Plasma 5.
WM: KWin
WM Theme: Breeze Dark
GTK Theme: Breeze [GTK2/3]
Icon Theme: breeze
Font: Noto Sans Regular
CPU: Intel Core i7-3520M (4
GPU: intel
RAM: 5165MiB / 15741MiB

PANDOC EXAMPLE

```
pandoc -t revealjs -s -o slides.html myslides.md \  
-V revealjs-url=http://lab.hakim.se/reveal-js
```

Speaker notes

Does require internet access as revealjs libs will be loaded from the web

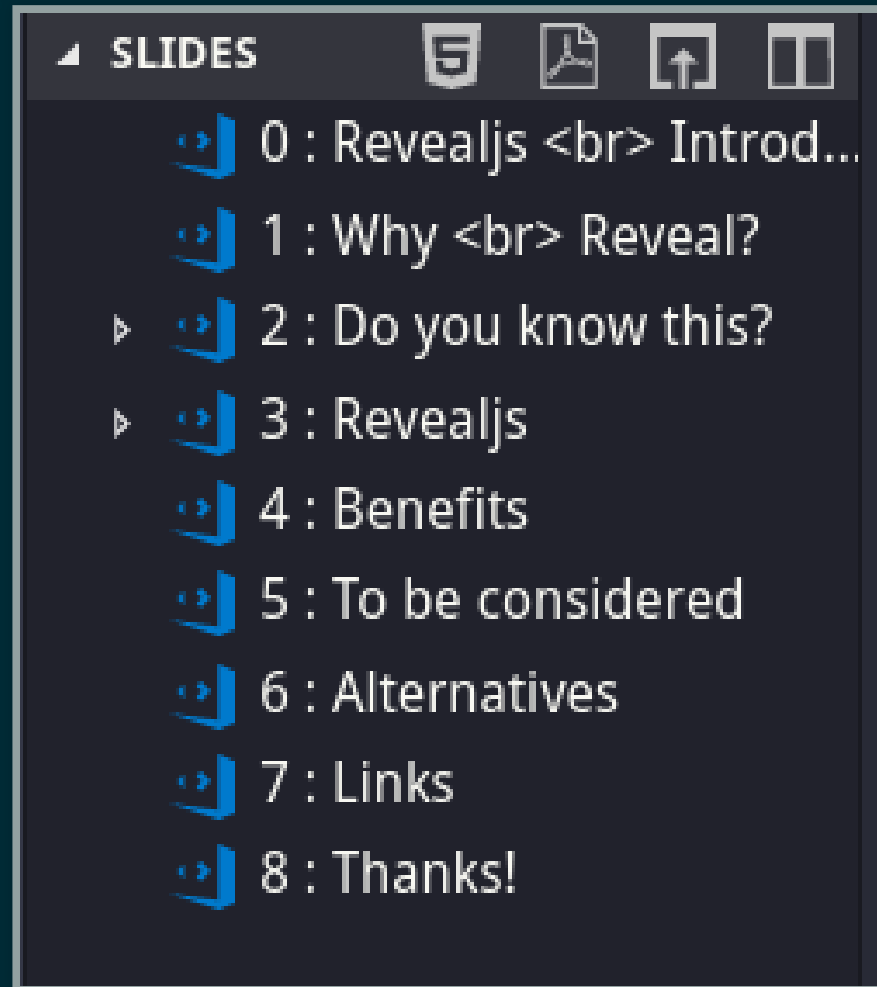
REVEAL-MD EXAMPLE

```
npm i -g reveal-md  
reveal-md presentation.md --static public  
reveal-md presentation.md
```

Speaker notes

First exports static html files, second spins up local webserver

VS CODE REVEALJS EXTENSION



REVEALJS & GITLAB WORKFLOW

1. VS Code editing
2. Export with reveal-md
3. Push changes to Gitlab
4. Triggering **Gitlab CI**

SPEAKER NOTES

The screenshot displays a presentation interface with a dark blue background. At the top, the text "SPEAKER NOTES" is written in a large, bold, white font. Below this, there is a smaller window showing a presentation slide titled "SPEAKER NOTES" with a sub-section "ADVANCED USE" and a "BENEFITS" section. To the right of the slide, there is a sidebar with a "Upcoming" tab and a "Layout: Default" button. The sidebar contains a "PDF EXPORT" section with a list of commands: "reveal-md presentation.md --print slides.pdf", "With vscode-reveal", "Adding ?print-pdf--now manually", and "Pandoc". Below this, there is a "This presentation as PDF" link. The main content area of the sidebar shows a "Speaker notes" section with the text "First requires Puppeteer installed second works for now only with Chrome". Below this, there is a "TIME" section showing "00:00:02" and "7:01 PM". At the bottom, there is a "NOTES" section with the text "There are speaker notes too! These require a webserver (no static files)".

SPEAKER NOTES

Upcoming **Layout: Default**

PDF EXPORT

- reveal-md presentation.md --print slides.pdf
- With vscode-reveal
- Adding ?print-pdf--now manually
- Pandoc

[This presentation as PDF](#)

Speaker notes

First requires Puppeteer installed second works for now only with Chrome

TIME
00:00:02 7:01 PM

NOTES

There are speaker notes too! These require a webserver (no static files)

Speaker notes

There are speaker notes too! These require a webserver (no static files)

PDF EXPORT

- `reveal-md presentation.md --print slides.pdf`
- With `vscode-reveal`
- Adding `?print-pdf-now` manually to URL
- Pandoc

This presentation as PDF

Speaker notes

First requires Puppeteer installed, second works for now only with Chrome

BENEFITS

- VCS, portable, small size
- Easy to write
- Powerful features
- Less is more

TO BE CONSIDERED

- No diagrams ootb
- Image sizing/alignment tricky
- Additional export
- Basic HTML knowledge required
- Browser compatibility

ALTERNATIVES

- Impressjs
- Remark
- Shower
- Latex Beamer
- Prezi

LINKS

- [Revealjs](#)
- [Visual Studio Code](#)
- [Emacs](#)
- [Pandoc](#)
- [reveal-md](#)
- [Gitlab Pages](#)

THANKS!