

**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 page, there are buttons for 'Unwatch' (5), 'Unstar' (4), and 'Fork' (2). Below the navigation bar, there is a search bar with 'sbs / README.md' and a button to 'cancel' the edit. The 'Edit file' tab is active, and the 'Preview changes' tab is also visible. The file content is displayed in a code editor with line numbers 1 through 8.

# HOW ABOUT THAT?

**HTML**



**CSS**



**JS**



source





**WEBTECHNOLOGIES + MARKUP LANGUAGE**  
**= ???**

**REVEALS**

# WHAT IS THAT?

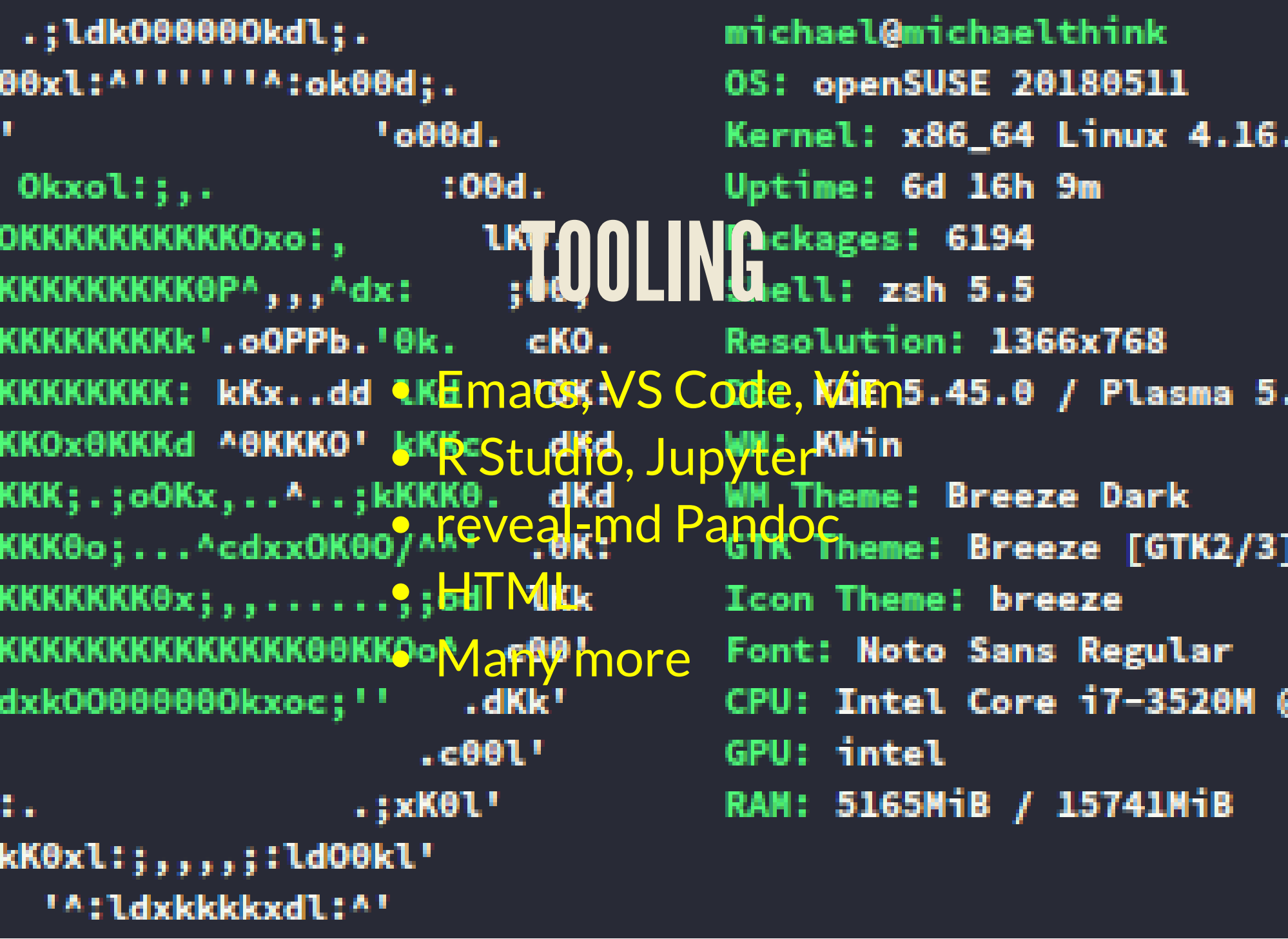
- Framework for HTML presentations
- Support for Markdown, orgmode, rST, and more
- Speaker notes, pdf export, API, and more

# 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
```



# 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, it says "This presentation as PDF". 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
- 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!