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OctoberCMS

« The **Laravel-based** CMS
engineered for simplicity »

Laravel Meetup Bern | 09.05.23

by Jan Boesch

About me

- Jan Boesch
- Human Resources Manager in Biel/Bienne (BE)
- We do surface treatments (platings)
- Not a programmer
- <**null**> stack developer

About me

Bonjour
Soleure
Derendingen
Granges
Biberist
Gerlafingen
Les Breuleux
Sonceboz-Sombeval
Perles
Bienne
Brügg
Kirchberg
Lyssach
Lyss
La Chaux-de-Fonds
Val-de-Ruz
La Neuveville
Lac de Bienne
Aarberg
Aar
Le Locle
Mont Racine
La Tène
Anet
Zollikofen
Neuchâtel
Kerzers
Berne
Worb
Milvignes
Boudry
Cortaillod
Lac de Morat
Morat
Köniz
La Grande Béroche

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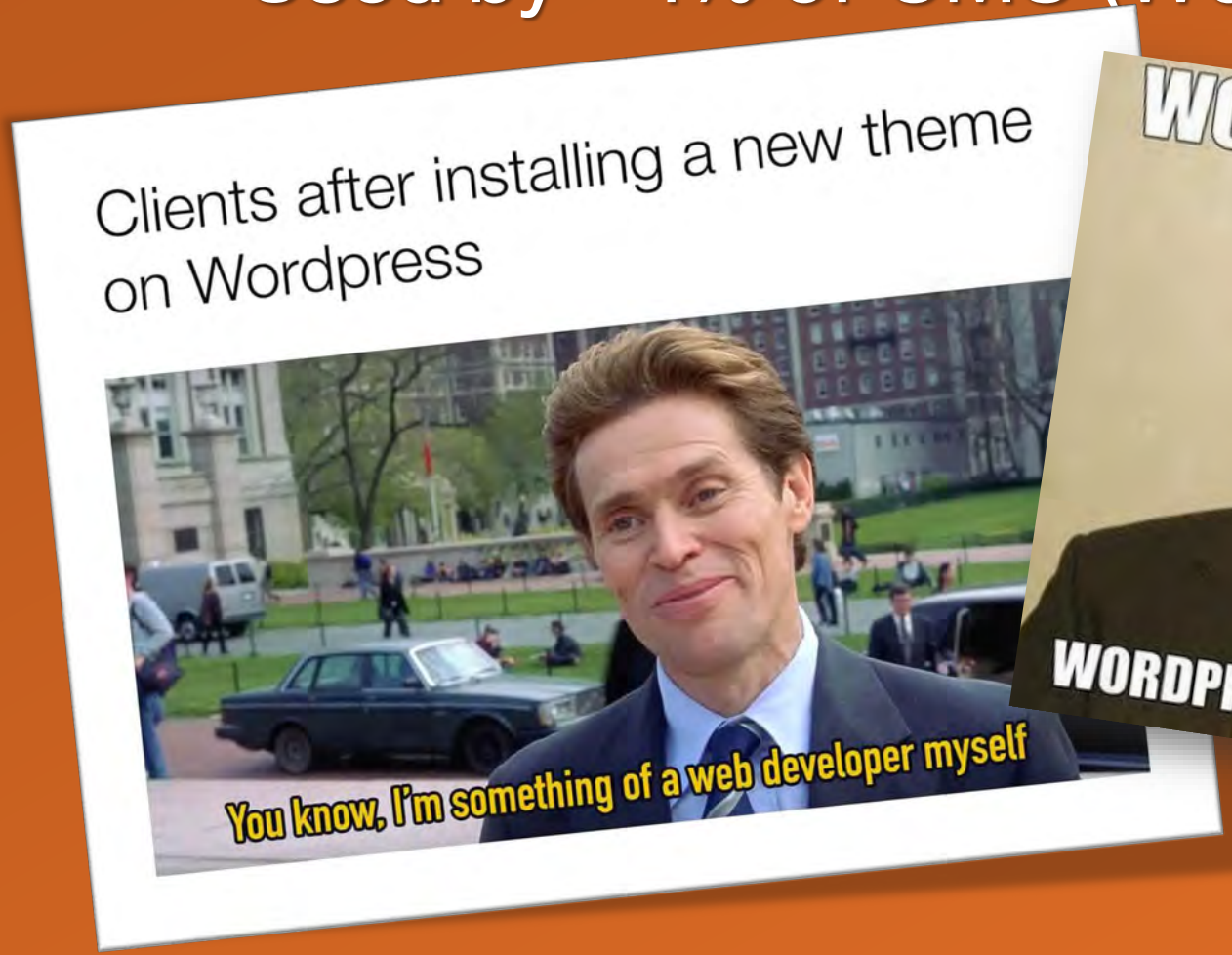
- A CMS based on **Laravel** (May 2023 : version 9.52.7)
- **First release** : May 2014, now at version 3.3.12
- **Licence** : from MIT to proprietary software model
- **Cost** : USD 9/y/project (illimited projects : 150/y)
- Open Source project :**WinterCMS** (forked)

Some random stats

- Used by < 1% of CMS (Wordpress : 43% ...)



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... about Wordpress

- Most used CMS > source of many attacks.
- Easy to install, then it is forgotten and whoever installed it no longer updates it.
- Complex to use for the end user. As a result, information is not often updated.
- Prefer other CMS, more friendly : Statamic, OCMS,...

Back to OctoberCMS

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Concepts / features

- Flat file system (frontend templating / plugin config)
- Template engine : Twig
- Main files : PHP, HTML, YAML
- Includes an Ajax framework (for frontend & backend)
- Databases : MySQL, MariaDB, PostgreSQL, SQLite

Concepts (2)

- Can be installed with
  - **composer** (CLI)
  - **Wizard “GUI” tool**
- Community extensions (plugins & themes) on **Marketplace**

Concepts (3)

- Main elements :
  - Lovely & solid **backend**
  - **Plugins** (models, controllers, migrations, seeds, helpers, ...)
  - **Themes** (layouts, pages, partials, assets, ...)
  - **Components** (FE) & **widgets** (BE)
  - **Storage** (cached files, uploaded files, ...)

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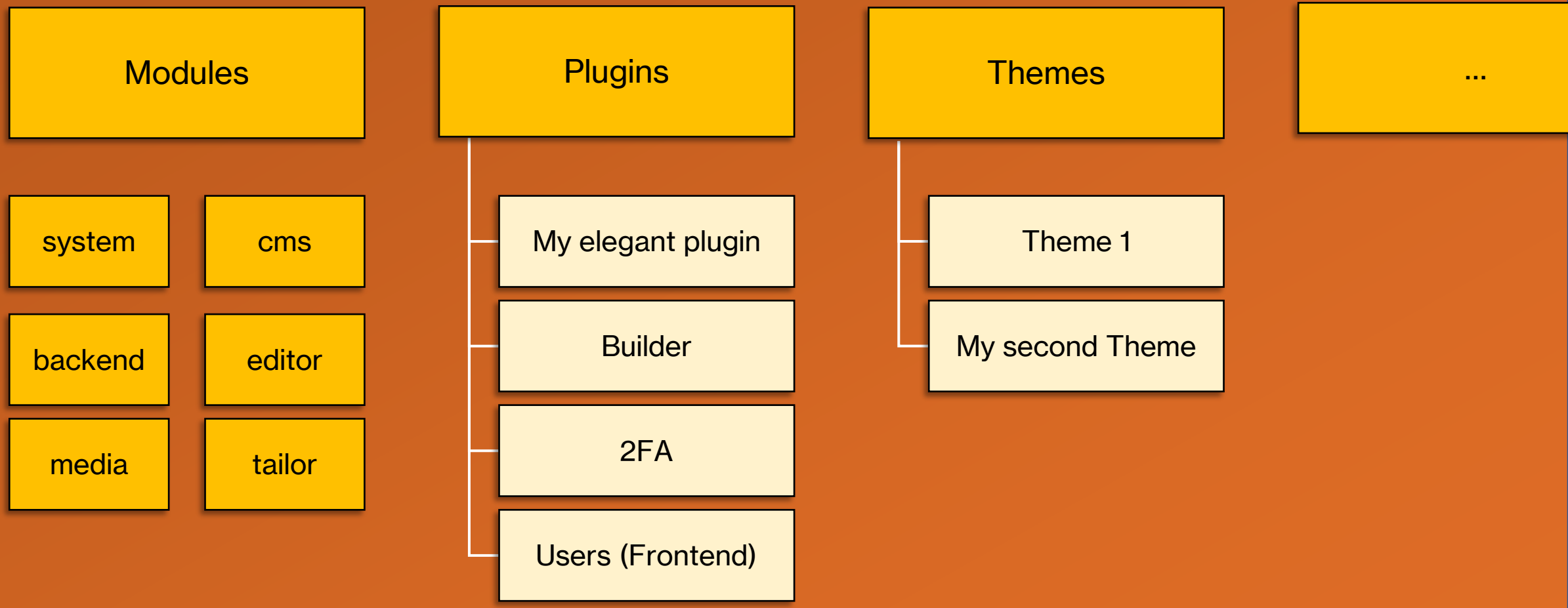
Concepts (4)

- Setup is **event-driven** (user can hook into core or plugin processes and extend them)
- **Testing** is possible with PHPUnit
- Can be used as a **headless** CMS
- **php artisan** commands, queues, router, scheduler, ...

Directory structure



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Benefits

- Fast to build :
  - **Builder** GUI “module” for creating plugins
  - **Tailor** : creates blueprints for content-types in a record time
  - Many tasks can be achieved in **CLI**
- Well documented
- Core team (Samuel Georges & Alexey Bobkov) is responsive

Benefits (2)

- OctoberCMS is like a robust bundle with these func.
  - Laravel
  - Nova
  - jetstream
- Easy **backend** for your clients : no long learning time
- Best for **business** or **process** oriented application.

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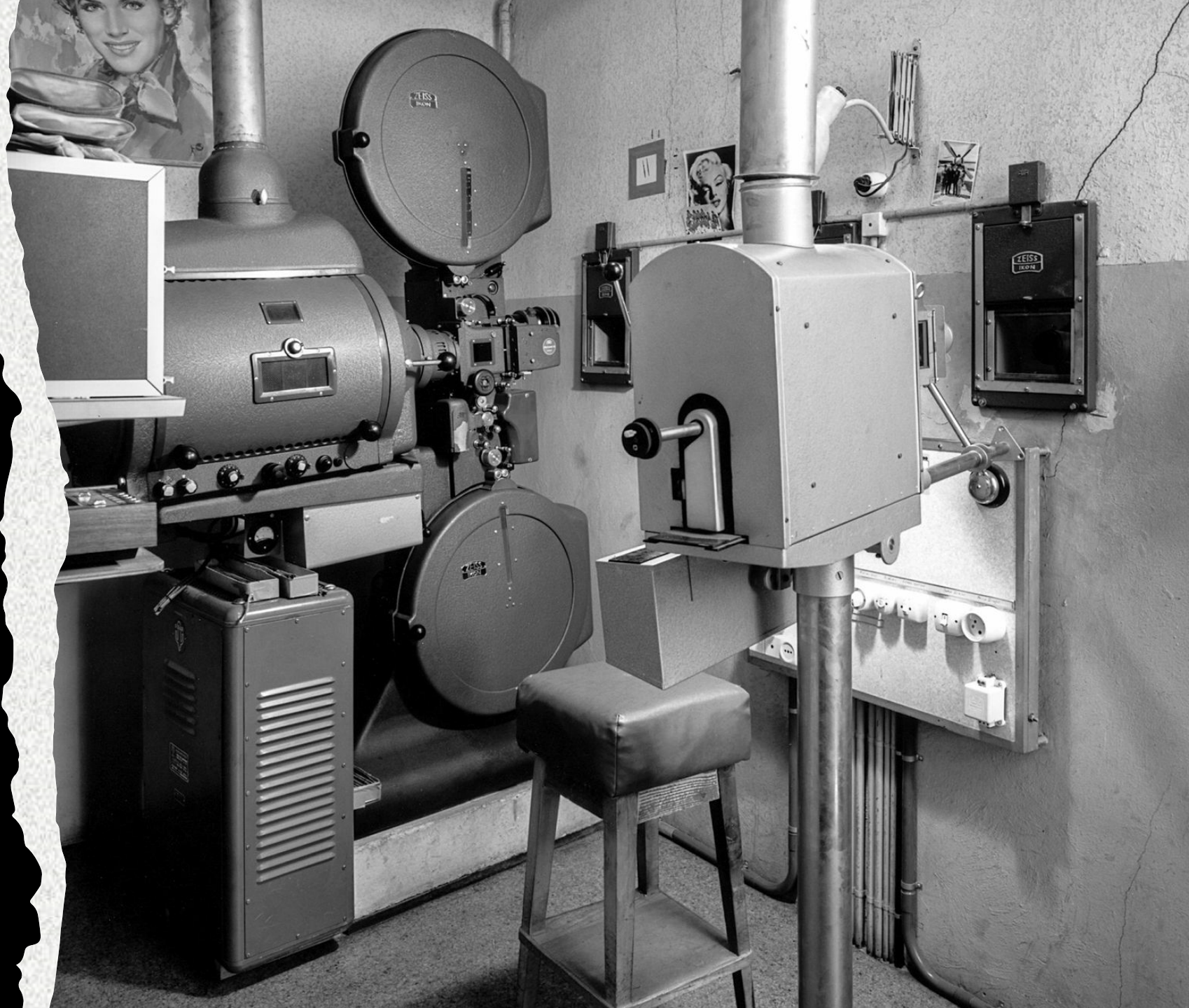
But enough static presentations ...


ZEISS
IKON

CINEMA
1876

19:53:31
DLP
CINEMA
ciné 2520

Let’s start ...

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and create something:

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Kino.test

Photo by Nicolas Prahin

Questions

- Want to test it ? **Docker** available on octobercms.com

Sources

- https://w3techs.com/technologies/overview/content_management

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Why Twig and not Blade ?

Alexey Bobkov *: " We chose **Twig** because we think it's more user-friendly. Twig has a simpler, more intuitive syntax and better security controls. This makes it easier for developers and designers to work with. Additionally, Twig has a wider range of filters and functions compared to Blade, which gives us more flexibility in how we can manipulate data and present it on the frontend. One of the key features of Twig is its sandbox mode, which can be used to restrict what developers can do within templates. There is no built-in configuration option to globally disable PHP code execution in Blade templates."*

Laravel 10 ?

Alexey Bobkov *: “We plan on shipping October CMS v4 that uses Laravel 11 around the same time it is released (March 2024). However, a Laravel 10 compatible version can be installed by targeting the "next" branch.”*

More details can be found here:

https://talk.octobercms.com/t/laravel-framework-upgrade-roadmap/39

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Resources

- Kino demo : https://kino.digital-artisan.ch
- https://www.octobercms.com

Keep in touch with Jan Boesch :

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