Unleash your **Symfony** project with **eZ Platform**

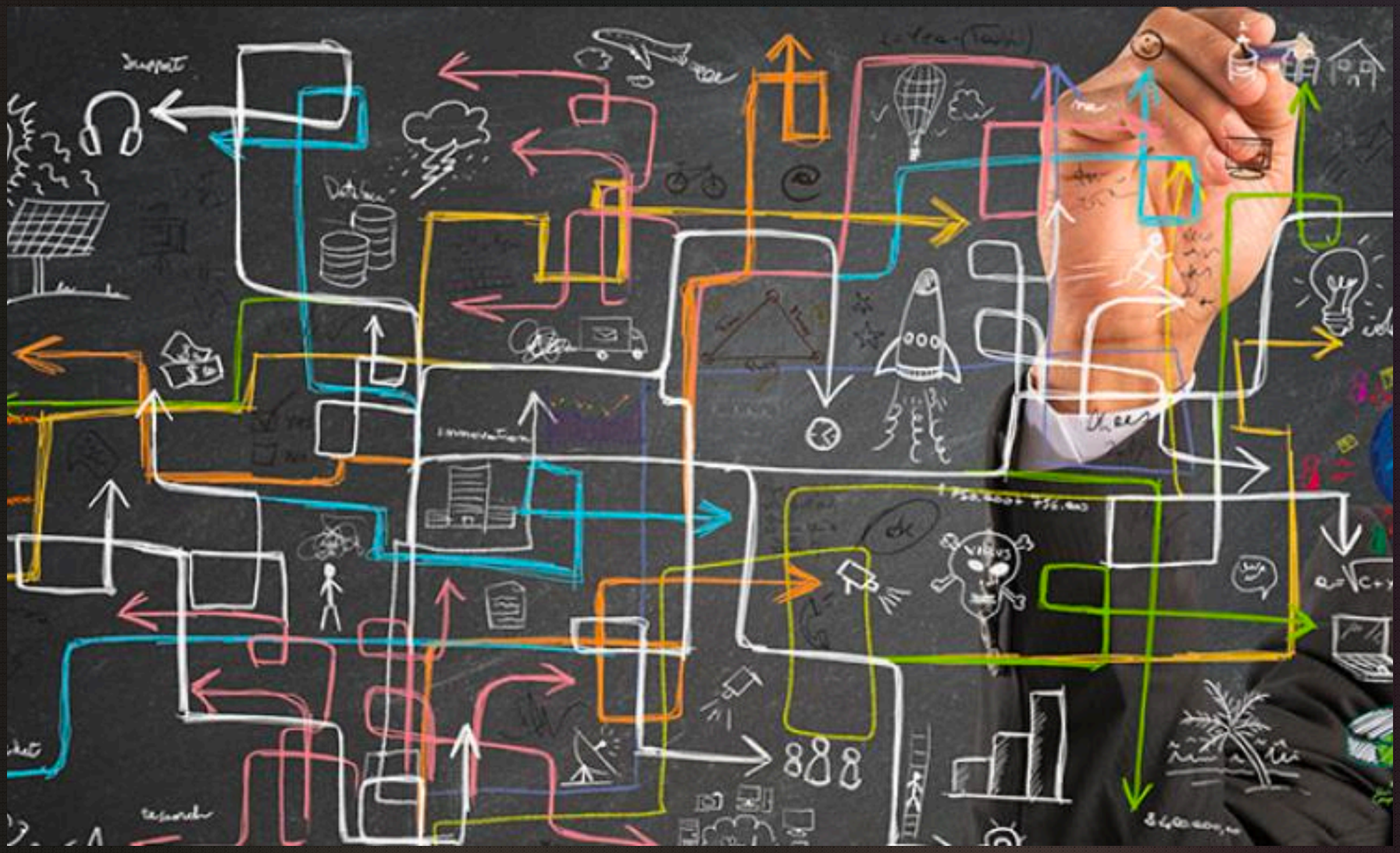
At @**Cloudflare** for @**sf_php** by @**NovactiveSF**

CLOUDFLARE

- 21 year old company
- ~80 employees
- Open Source Specialists
- First eZ project in 2005
- First Symfony project 2012

- Digital Consulting
- Web Development
- e-Commerce
- Web Marketing
- Mobile Apps
- CRM

Let’s get started!



Projects are getting complex

Standards

- Latest stable technology
- Scalable
- Performant
- Robust
- Secure
- Open Source
- Best practices

- HTTP Foundation
  - Request/Response
  - Caching
- Dependency Injection Container
- Twig
- Event Dispatcher
- PSR
- Tests
- YAML for configuration
- HMVC
- Routing
- Forms
- Security
- Command
- Deployment

How about **features?**

A framework does not provide any!

« Symfony is a set of PHP Components, a Web Application framework, a Philosophy, and a Community — all working together in harmony. »

http://symfony.com

“**Content Is King**.
Content is where I expect much of the real money will be made on the Internet, just as it was in broadcasting.”

–Bill Gates (1/3/1996)

Features to manage Content

CRUD	Multilingual
Versionning	Media library
Users	Permissions
Archive	Multi websites
Workflows	WYSIWYG

Should we re develop all of them all the time?

n.

Content Management System

Full stack / Components

Full-stack CMS

Your project
as a bundle

Bundle 1

Bundle 2

Bundle 3

Symfony "full stack"

HTTP Foundation

Routing

CMS with Components

Your project

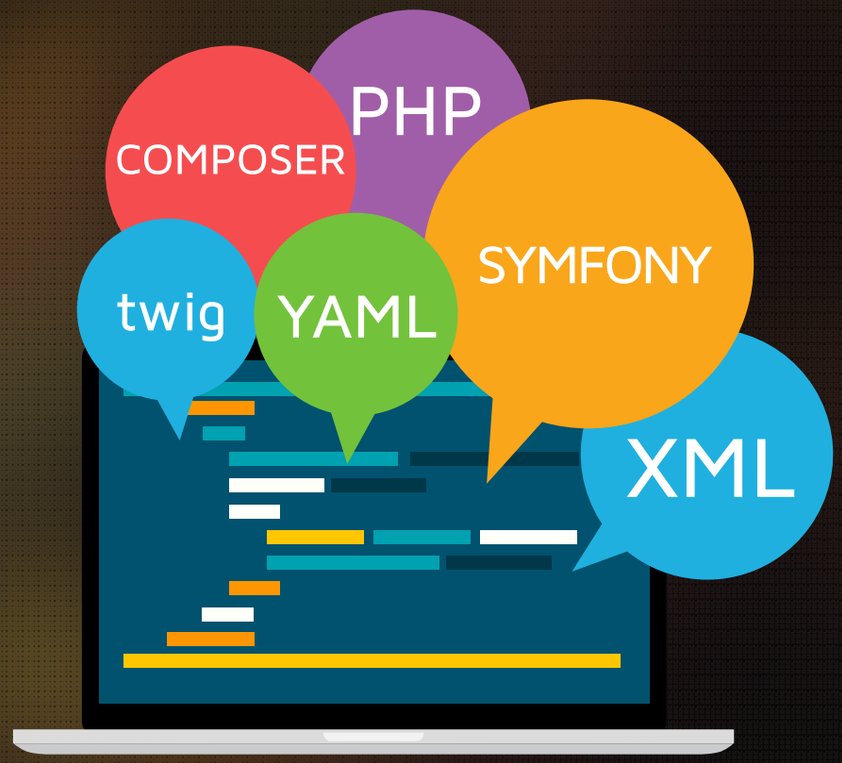
Drupal

Routing

HTTP Foundation

Advantages

- ✓ A leading PHP framework
- ✓ Faster development by using any bundle in the ecosystem
- ✓ Standardization
- ✓ Reduce learning curve for developers



Headless/Decoupled

Versus Traditional

Decoupled CMS

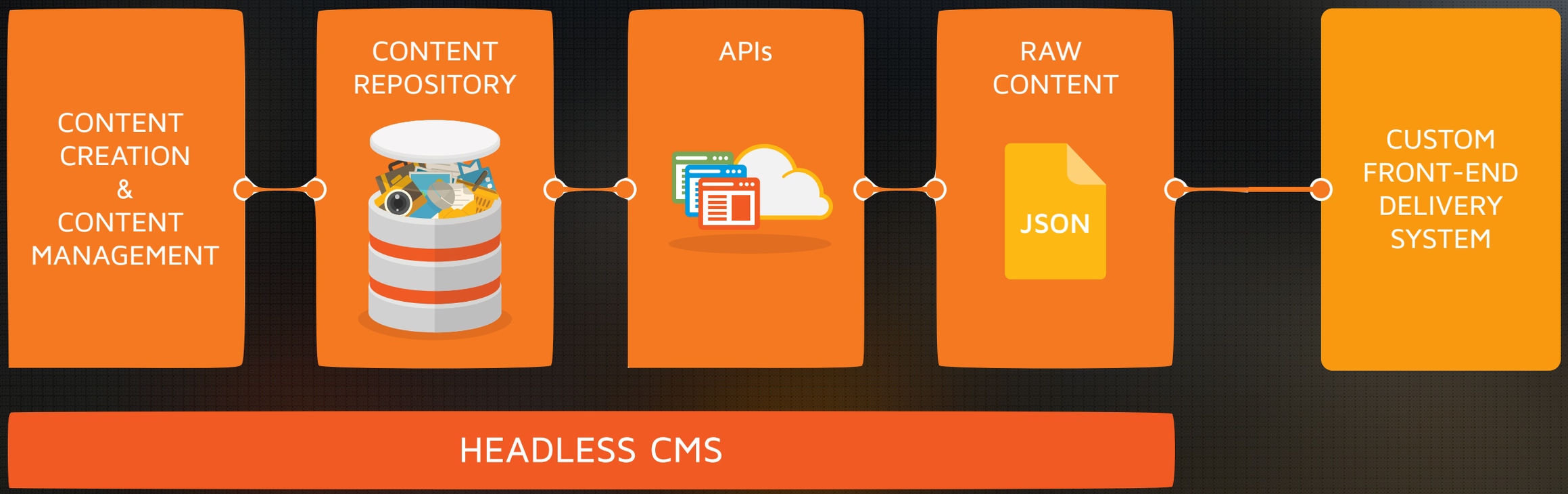
AUTHORING
-
CONTENT
CREATION

CONTENT
REPOSITORY

SITE & PAGE
-
CONTENT
DELIVERY

Separates the content creation process
from the delivery process

Headless CMS



Content creation, storage and delivery only
—presentation not handled in the CMS

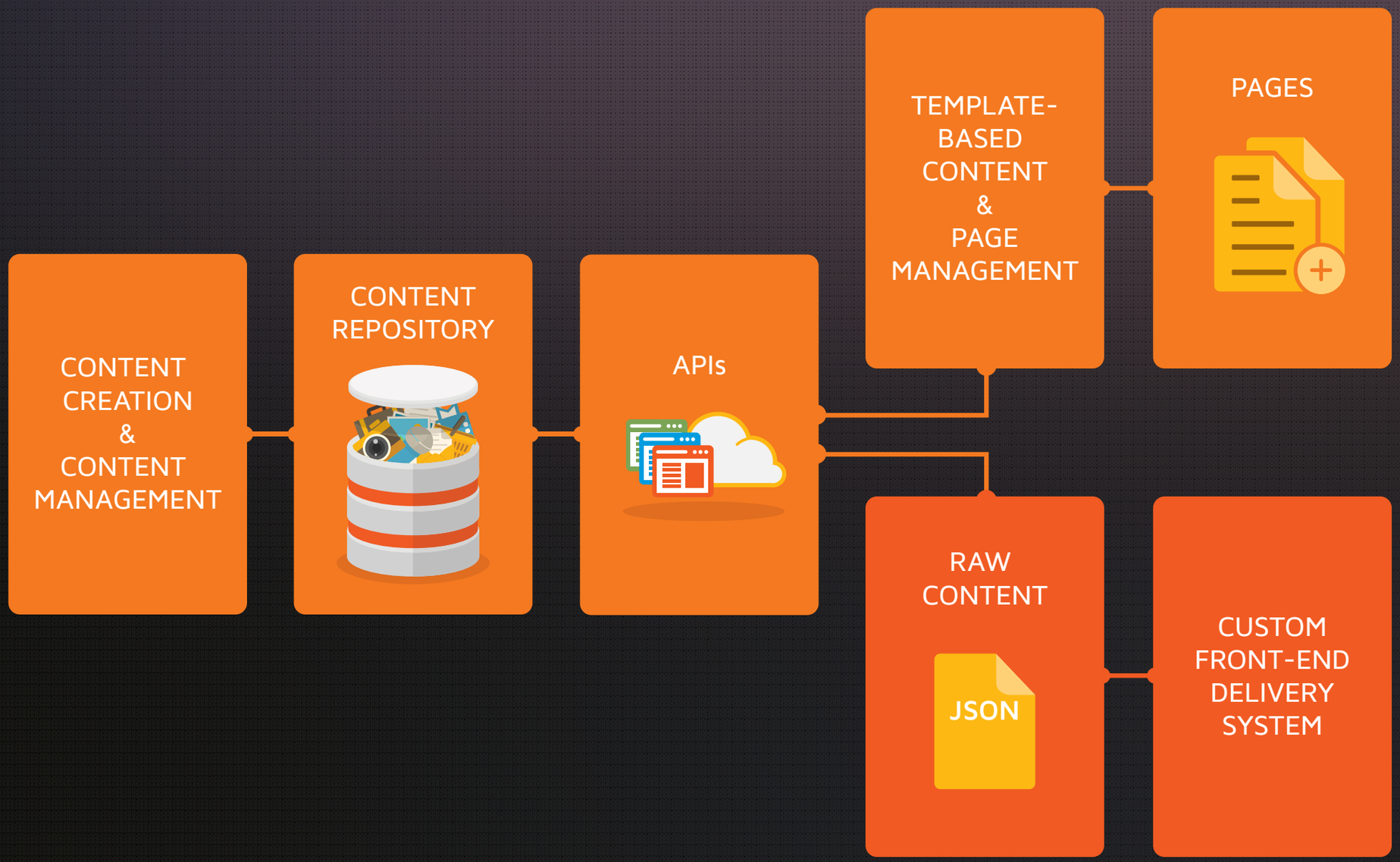
Introducing
eZ Platform

A **“Symfony full-stack” CMS**

eZ History

1999 - 2003	**eZ Publish 2.x**	Simple PHP CMS
2003 - 2008	**eZ Publish 3.x**	Flexible model, workflows , PHP 4, Templates etc.
2007 - 2012	**eZ Publish 4.x**	PHP 5, 6-months release cycle, introduction of an Enterprise version
2012 - 2016	**eZ Publish Platform**	Dual kernel, full Symfony stack and Legacy
End of 2016	**eZ Platform**	Full Symfony stack PHP 7

eZ Approach


CONTENT CREATION & CONTENT MANAGEMENT
CONTENT REPOSITORY
APIs
TEMPLATE-BASED CONTENT & PAGE MANAGEMENT
PAGES
Traditional way
RAW CONTENT
JSON
CUSTOM FRONT-END DELIVERY SYSTEM
Headless way

eZ Architecture

A Premiere Web Framework

Clean, Separate and Stable APIsV

EDITORS, MARKETERS, ADMIN (CMS USERS)

END USERS

WEB SERVICES

CMS USER INTERFACE

WEBSITE / DEMO SITE

TWIG TEMPLATE ENGINE

SYMFONY2 FRAMEWORK

REST API

PUBLIC API

EZ PLATFORM KERNEL AND CONTENT REPOSITORY

STORAGE

PERSISTENCE, CACHE, SEARCH, IO

Fast and Scalable Storage Layer

Best-in-Class Repository

UI: Admin and power users

UI: End users

Plaftorm Admin UI

HTTP Cache (sf, Varnish, ..) *FosHTTP cache*

CLI:
Developers
Sysadmin
Users

Your website

eZ Controllers/eZ Helpers

Rest API v2

REST:
Webservice
Integration

. . . . . .

Symfony

PHP Public API

PHP:
Bundles
Extensions

CMS Business Logic (Symfony bundles)

. . . . . .

SPI

Persistence

Cache *Stash*

SQL Storage Engine *Doctrine*

DB

Future **Stora Engine**

DB / NOSQL

Search

SQL Engine *Doctrine*

DB

Solr Engine *eZ 5.4.5*

Solr

IO

IO Handler *FlySystem*

FS

PHP:
Handlers
Drivers

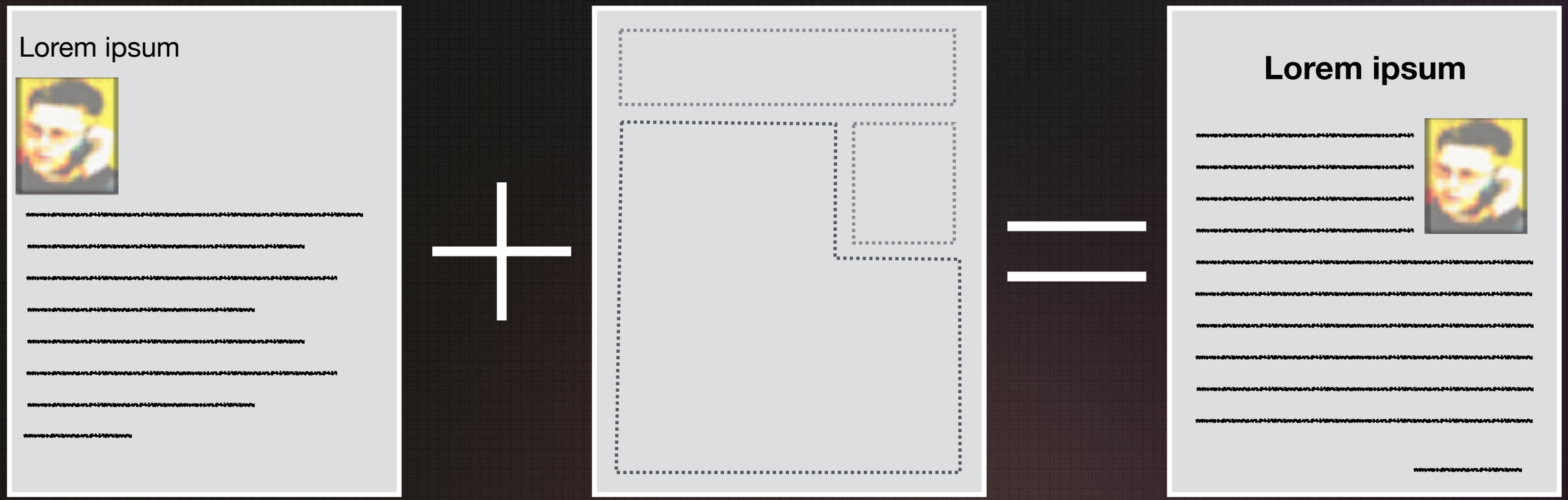
Basic Built-in Features

- ✓ SiteAccess (multi websites)
- ✓ Multi Languages
- ✓ Content Types
- ✓ Content Versioning
- ✓ Semantic Content Model (Hierarchical Content Tree, associate relationships between content items, etc)
- ✓ Administration Interface
- ✓ REST API
- ✓ Workflows
- ✓ Roles and Permissions

Raw content

Design

Web page



Separation of concerns

No design nor html in the database

	Content	Design	Settings
Database	✓ Text ✓ Structure	✗	✗
File System	✓ Images ✓ Files	✓ HTML + CSS ✓ Templates	✓ Yaml files

Data storage

No configuration in the database

Hierarchical organization

Content on one side
Location on the other side

Contents

Locations

Content ID: 30
Name: Home
Type: Landing Page

Content ID: 31
Name: About
Type: Article

Content ID: 32
Name: News
Type: Folder

Content ID: 33
Name: Company
Type: Folder

Location ID: 2
Parent Location: 1
Content ID: 30

Location ID: 46
Parent Location: 2
Content ID: 32

Location ID: 46
Parent Location: 2
Content ID: 32

Location ID: 46
Parent Location: 2
Content ID: 32

Location ID: 48
Parent Location: 46
Content ID: 33

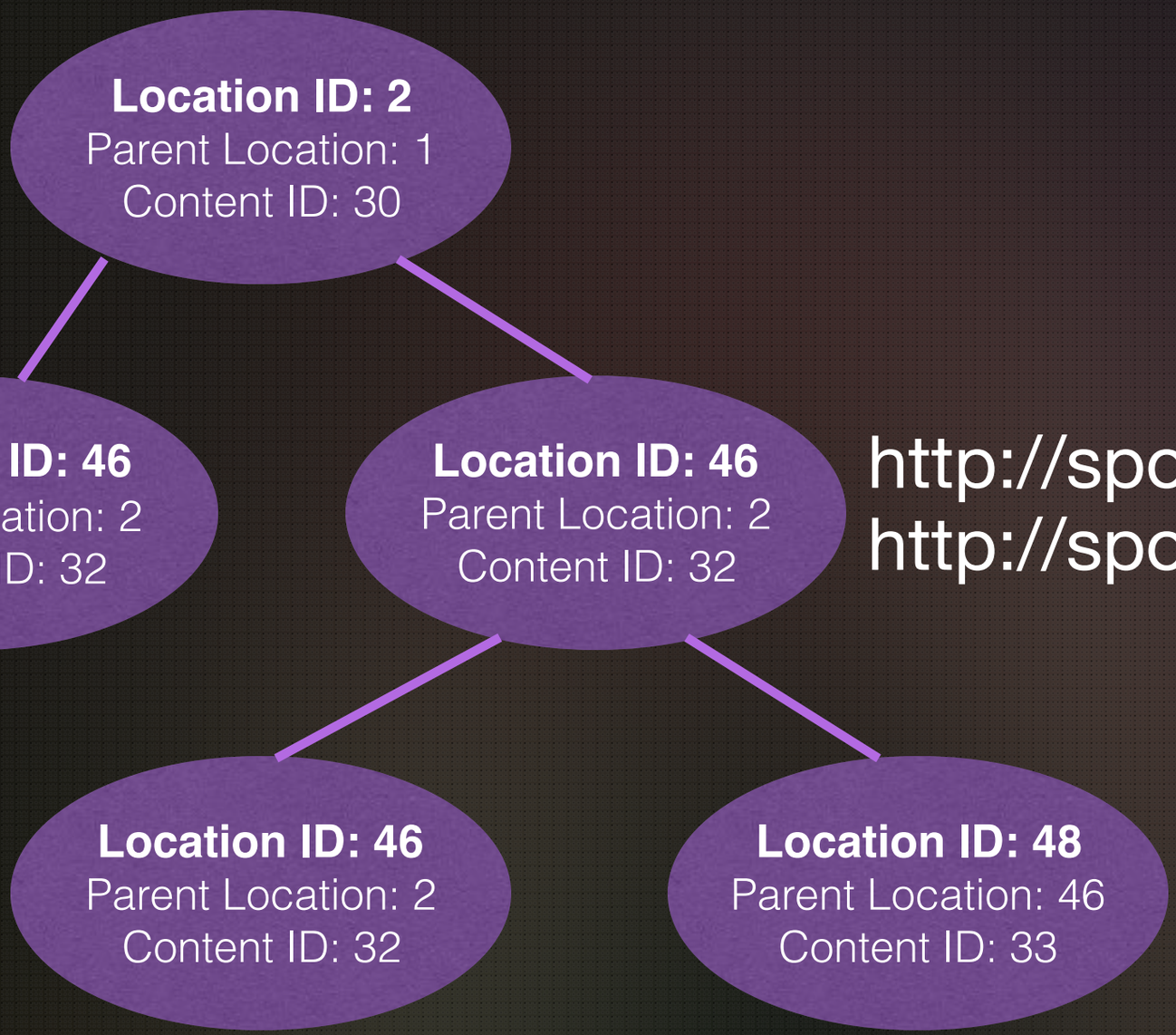
Multiple locations capability

SiteAccess

- ✓ eZ Invention for DX
- ✓ Matches a certain URL to a specific combination of configurations
- ✓ http://example.co.uk/ || http://example.com/uk/ || http://uk.example.com/
- ✓ Mobile, Intranets, unlimited options!

SiteAccess

http://www.yourwebsite.com
http://www.yourwebsite.com/fr



http://sport.yourwebsite.com
http://sport.yourwebsite.com/fr

Element	Value
Content ID	13
Name	“SF PHP Meetup March 2017”
Type	Blog Post
[…]	[…]

Versions

Version	Language	Fields and values
1	eng-US	**Title:** Meetup March 2017 **Introduction:** An intro **Body** Todo

Version	Language	Fields and values
2	eng-US	**Title:** SF PHP Meetup March 2017 **Introduction:** Welcome… **Body** Today we are going to..
	fre-FR	**Titre:** SF PHP Meetup Mars 2017 **Introduction:** Bienvenue… **Corps de l’article** Aujourd’hui nous allons…

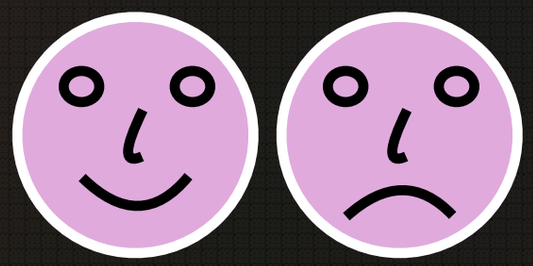
VERSIONNING

+

MULTI LANGUAGE

ROLE

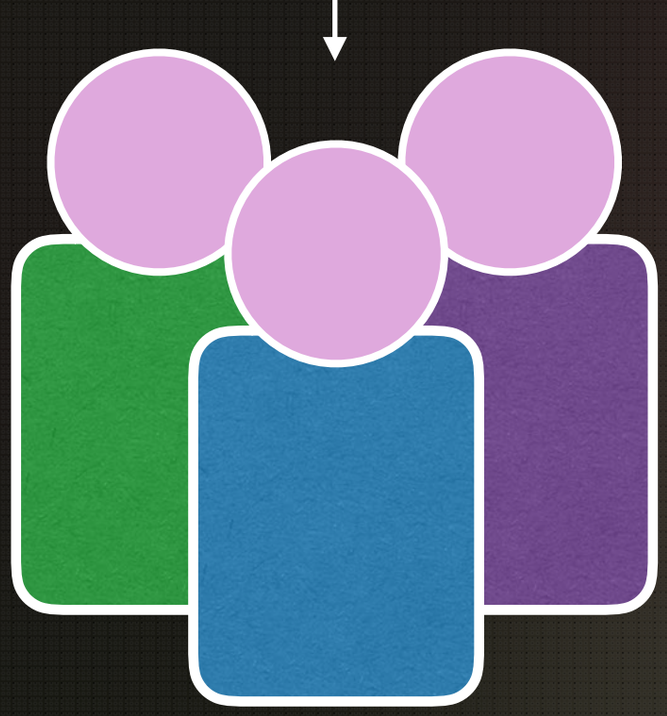
POLICIES

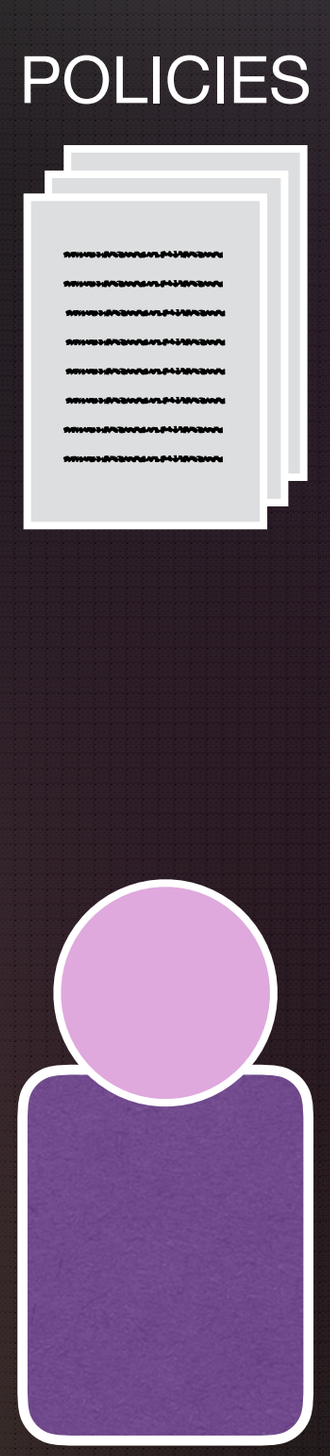


Consists of

Assigned to

Assigned to





is part of

USER GROUP

USER

Access Control Concepts

Let’s install and do a first controller

Demo Time

Installation

Composer

Download

Platform.sh

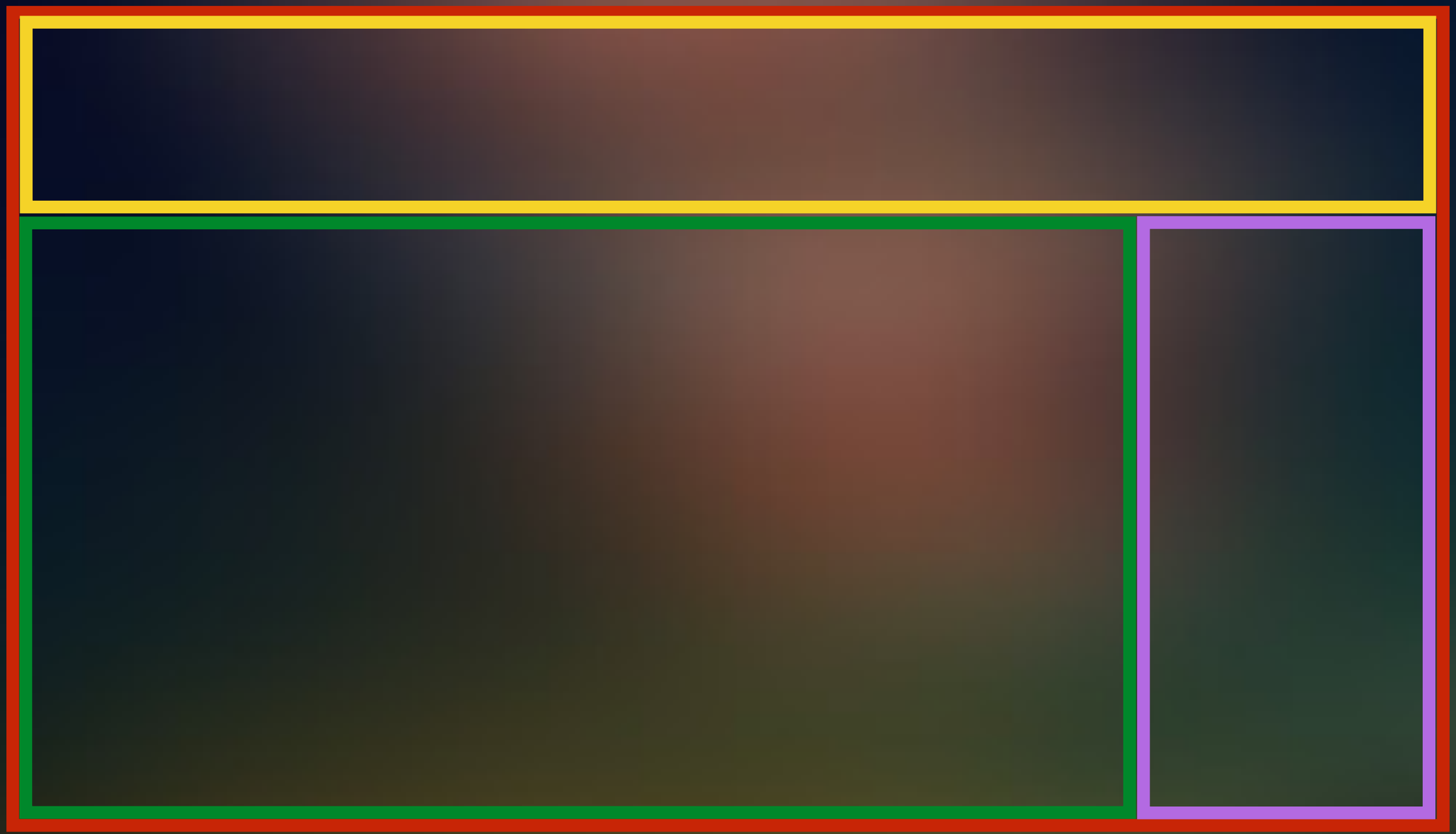
Composer install

```
$ curl -sS https://getcomposer.org/installer | php

$ docker run --rm --p 3333:3306 --name ezdbcontainer -e
MYSQL_ROOT_PASSWORD=ezplatform mariadb:10.0

$ php -d memory_limit=-1 composer.phar create-project
ezsystems/ezplatform

$ cd ezplatform

$ php app/console doctrine:database:create

$ php app/console ezplatform:install clean

$ SYMFONY_ENV=dev php app/console server:run
```

Start

- ✓ PHP Storm: Install Symfony Plugin
- ✓ Create a bundle
- ✓ Create a route
- ✓ Use the eZ PHP API to fetch contents

View System



View System

{%include OR render controller %}

{%extends layout %}

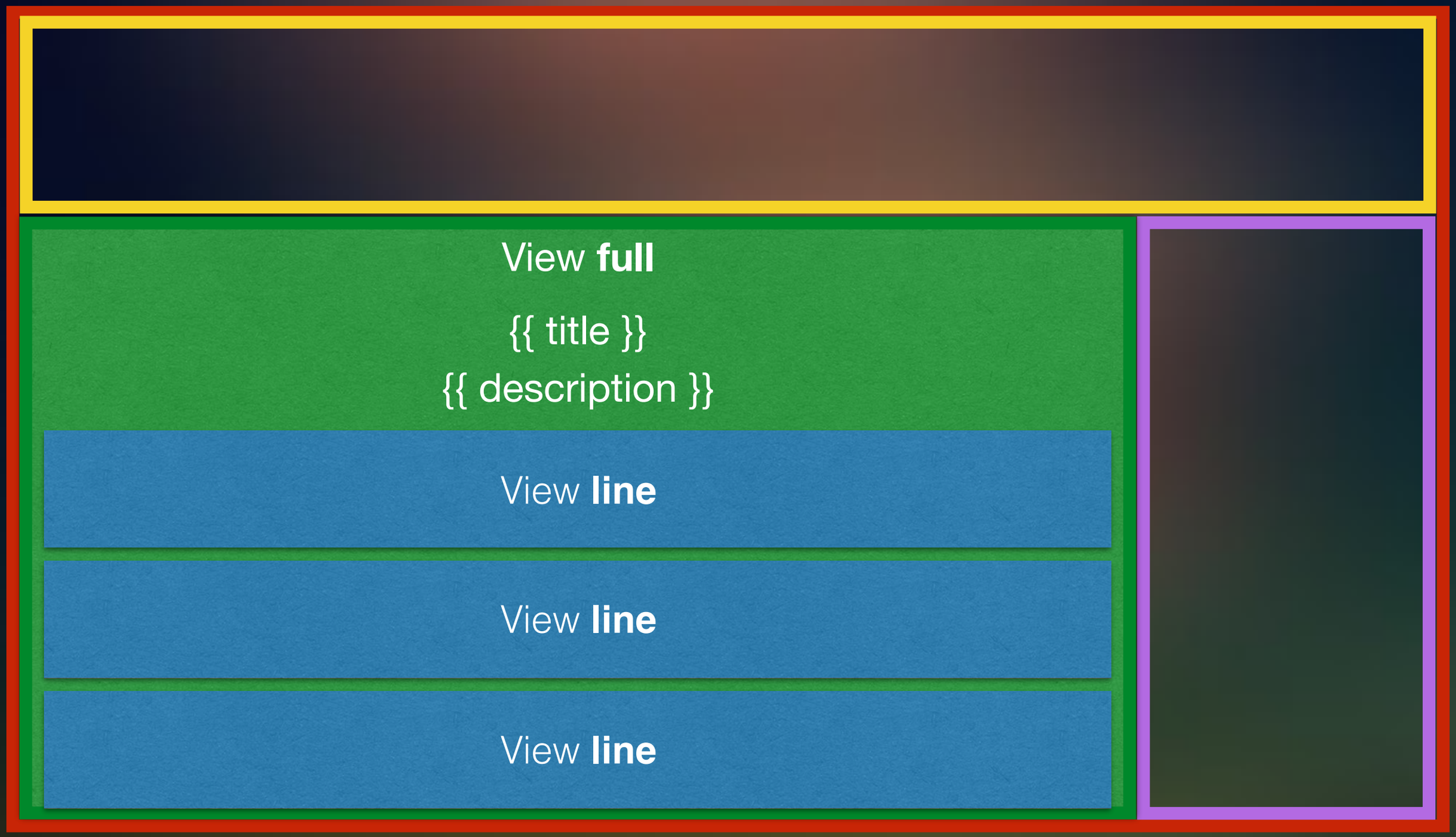
{%Controller/Action.html.twig %}

View System

{%extends layout %}

View **full**

View System



View System

View **full**

{{ title }}

{{ description }}

View **line**

View **line**

View **line**

view **block**

view **block**

view **block**

View System

View **full**

ContentId: 12
LocationId: 14

{{ title }}

{{ description }}

View **line**

ContentId: 15
LocationId: 21

View **line**

ContentId: 45
LocationId: 64

View **line**

ContentId: 46
LocationId: 65

ContentId: xx
LocationId: xx

view **block**

ContentId: xx
LocationId: xx

view **block**

ContentId: xx
LocationId: xx

view **block**

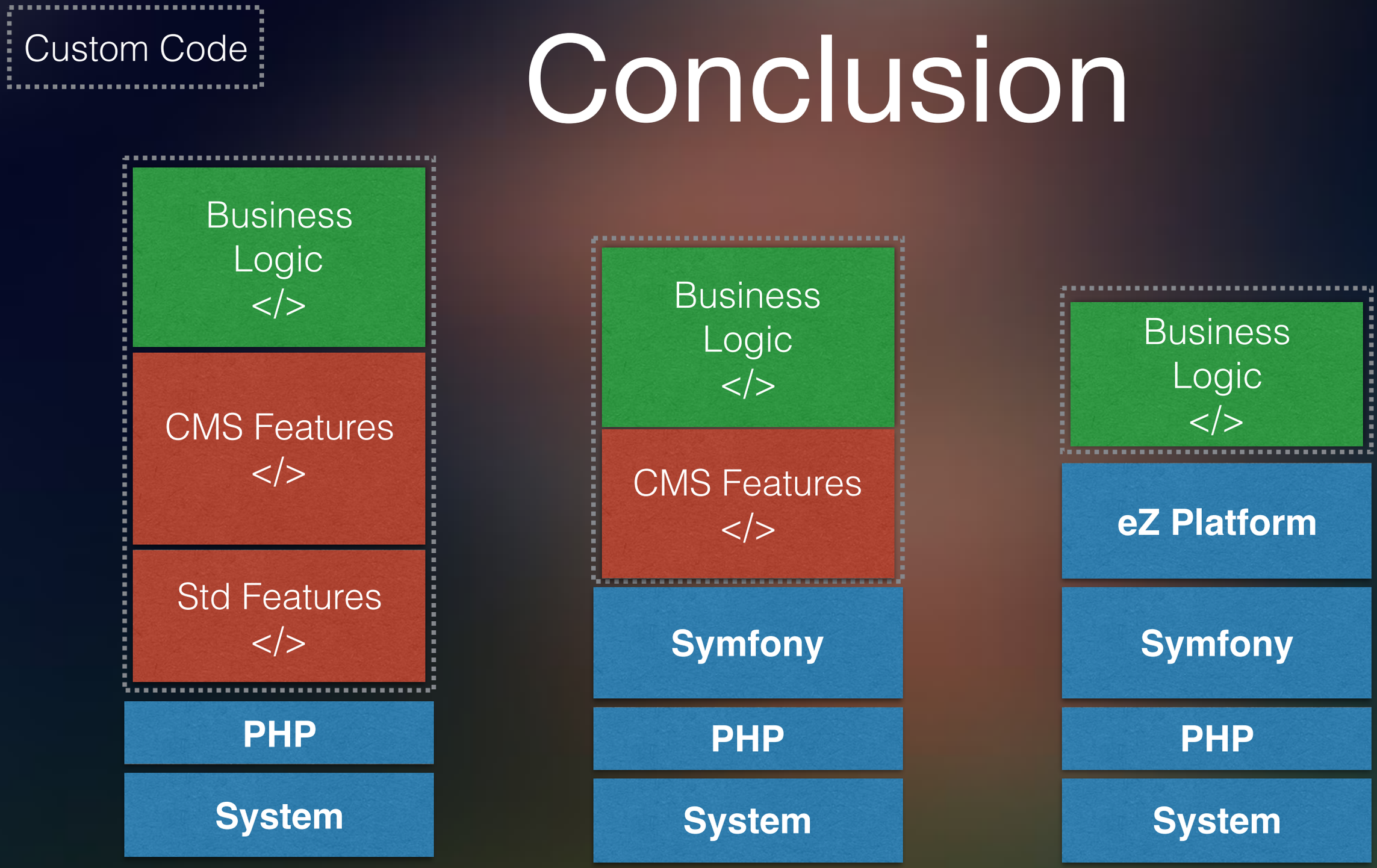
Template selection

```yaml
# ezpublish/config/ezpublish.yml
ezpublish:
    system:
        front_siteaccess:
            location_view:
                full:
                    # A simple unique key for your matching ruleset
                    folderRuleset:
                        # The template identifier to load
                        template: eZDemoBundle:full:folder.html.twig
                        match:
                            Identifier\ContentType: [folder]
```

API REST

http://127.0.0.1:8001/api/ezp/v2/content/objects/54

Conclusion



Custom PHP

Symfony based

Symfony eZ Platform based

Extend everything

“Symfony makes it eZ”

eZ Community

- > 50 000 referenced developers
- 300 000 declared installations
- > 600 Enterprise Edition actives
- Slack ~ 600 members for now

merging with the Symfony Community

Thank you!

https://twitter.com/NovactiveSF
https://twitter.com/Plopix

https://www.facebook.com/NovactiveSF

http://www.novactive.us

s.morel@novactive.us

Symfony

http://symfony.com

is a trademark of Fabien Potencier. All rights reserved.

eZ

http://ezplatform.com