**Sylius**

**Everything you wanted to know about Sylius**

but didn't find time to ask

SymfonyCon
AMSTERDAM 2019
NOVEMBER 21-23

# What is Sylius?

# Open Source eCommerce Platform

Sylius

Solving the most common eCommerce problems.

Community driven software (+2.5k 🔷 users)

+500 contributors

~150 plugins

Payment gateways, integration, additional features

Sylius

Sylius Store

NOW OPEN
THE MARKETPLACE
OF EXTENSIONS

# Community that rocks!

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# Developer driven implementation

# Developer driven implementation

No UI based installer

Plugins installed from command line (Composer FTW!)

DX as a key factor

# Predictable release cycle and sem-ver

v1.0 in September 2017

2 versions EOL (v1.0, v1.1)

3 versions EOM (v1.2, v1.3, v1.4)

2 versions actively supported (v1.5, v1.6)

v1.7 -> Late Feb 2020

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# Sylius

Username *

sylius@example.com

Password *

••••••

Remember me

Login

# Sylius

View your store          Search products...                                              🔔      John ▾

## Dashboard
Overview of your store

| $0.00 | 0 | 21 | $0.00 |
|-------|---|-----|-------|
| SALES | FULFILLED ORDERS | CUSTOMERS | AVERAGE ORDER VALUE |

| 🛍 Products | 🛒 Orders | 👥 Customers | 🎟 Promotions |
|------------|-----------|--------------|----------------|

### New customers

| Name | |
|------|--|
| **Layla Watsica**<br>leon.smitham@yahoo.com | 🔍 Show |
| **Jan Schinner**<br>robel.elissa@nader.com | 🔍 Show |
| **Wanda Romaguera**<br>gutkowski.raina@yahoo.com | 🔍 Show |
| **Melvin Orn**<br>tania13@gmail.com | 🔍 Show |
| **Marcus Welch**<br>tlockman@gmail.com | 🔍 Show |

### New orders

| Order | Items | Total | |
|-------|-------|-------|--|
| **Duane Kunze**<br>benjamin36@boyle.com | 6 | $50.41 | 🔍 Show |
| **Adelia Watsica**<br>abby60@schaden.com | 8 | $23.44 | 🔍 Show |
| **Nyah Olson**<br>medhurst.mae@wuckert.biz | 7 | $13.84 | 🔍 Show |
| **Vincenza Nienow**<br>zgislason@lowe.org | 1 | $36.90 | 🔍 Show |
| **Adelia Watsica**<br>abby60@schaden.com | 16 | $44.20 | 🔍 Show |

# Symfony

3.4 / 4.3 / 4.4

Symfony Flex support

# All the best from Symfony stack

As close as possible to Symfony

Doctrine ORM

Twig

Sylius

# For whom is Sylius?

Sylius

# Small and Medium Businesses

Sylius

# Symfony devs

# I'm not working with eCommerce.

# Why should I be interested in Sylius?

# Rapid CRUD development

# ResourceBundle

```php
/**
 * @ORM\Entity
 * @ORM\Table(name="app_custom_entity")
 */
class CustomEntity implements \Sylius\Component\Resource\Model\ResourceInterface
{
    /**
     * @ORM\Id()
     * @ORM\Column(type="integer")
     * @ORM\GeneratedValue()
     */
    private $id;

    /** @var string|null @ORM\Column(type="string") */
    private $code;

    /** @var string|null @ORM\Column(type="string") */
    private $name;
    /** some getters and setters */
}
```

```php
/**
 * @ORM\Entity
 * @ORM\Table(name="app_custom_entity")
 */
class CustomEntity implements \Sylius\Component\Resource\Model\ResourceInterface
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    private $name;
    /** some getters and setters */
}
```

```yaml
sylius_resource:
  resources:
    app.custom_entity:
      classes:
        model: App\Entity\CustomEntity
```

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```

Sylius

```yaml
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  resources:
    app.custom_entity:
      classes:
        model: App\Entity\CustomEntity
```

Sylius

```yaml
sylius_resource:
  resources:
    app.custom_entity:
      classes:
        model: App\Entity\CustomEntity
        repository: App\ORM\CustomRepository
```

```
$ app.controller.custom_entity Sylius\...\ResourceController
$ app.factory.custom_entity    Sylius\...\Factory\Factory
$ app.manager.custom_entity    => "doctrine.orm.default_entity_manager"
$ app.repository.custom_entity App\ORM\CustomRepository
```

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# Autowiring

```
$ Doctrine\...\Selectable         $customEntityRepository
$ Doctrine\...\ObjectRepository   $customEntityRepository
$ Sylius\...\RepositoryInterface  $customEntityRepository

$ Sylius\...\FactoryInterface     $customEntityFactory
```

```
app_custom_entity:
  resource: |
    alias: app.custom_entity
 type: sylius.resource
```

```
$ app_custom_entity_index          GET              /custom-entities/
$ app_custom_entity_create         GET|POST         /custom-entities/new
$ app_custom_entity_update         GET|PUT|PATCH    /custom-entities/{id}/edit
$ app_custom_entity_show           GET              /custom-entities/{id}
$ app_custom_entity_bulk_delete    DELETE           /custom-entities/bulk-delete
$ app_custom_entity_delete         DELETE           /custom-entities/{id}
```

Sylius

# GridBundle

```yaml
sylius_grid:
  grids:
    app_admin_custom_entity:
      driver:
        options:
          class: "%app.model.custom_entity.class%"
      fields:
        id:
          type: string
```

```yaml
sylius_grid:
  grids:
    app_admin_custom_entity:
      driver:
        options:
          class: "%app.model.custom_entity.class%"
      fields:
        id:
          type: string
```

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      fields:
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```yaml
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    grids:
        app_admin_custom_entity:
            driver:
                options:
                    class: "%app.model.custom_entity.class%"
            fields:
                id:
                    type: string
```

```yaml
app_custom_entity:
    resource: |
        alias: app.custom_entity
        grid: app_admin_custom_entity
        templates: "@SyliusAdmin\\Crud"
    type: sylius.resource
```

Search products...

John

# app.ui.custom_entities

| id |
| --- |
| 12 |
| 13 |

```yaml
sylius_grid:
  grids:
    app_admin_custom_entity:
      ...
      fields:
        ...
      actions:
        main:
          create:
            type: create
```

Search products...

John

# app.ui.custom_entities

+ Create

| id |
| --- |
| 12 |
| 13 |

# app.ui.custom_entity

Name *

Code *

**+ Create**    Cancel

```yaml
sylius_grid:
  grids:
    app_admin_custom_entity:
      ...
        fields:
          ...
        code:
          type: string
        name:
          type: string
```

Sylius

# app.ui.custom_entities

**+ Create**

| id | code | name |
|---|---|---|
| 12 | code1 | Name1 |
| 13 | code2 | Name2 |

```
sylius_grid:
  grids:
    app_admin_custom_entity:
      ...
      actions:
        ...
        item:
          update:
            type: update
          delete:
            type: delete
```

Sylius

Search products...

John

# app.ui.custom_entities

**+ Create**

| id | code | name | Actions |
|---|---|---|---|
| 12 | code1 | Name1 | ✏ Edit  🗑 Delete |
| 13 | code2 | Name2 | ✏ Edit  🗑 Delete |

# Configuration over Convention

# All these bundles became standalone recently

# Did I mentioned about

# the community?

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**Identifiant** *

admin@example.com

**Mot de passe** *

•••••

Rester connecté

Login

**CLIENT**

Clients

**CONFIGURATION**

Administrateurs

# Tableau de bord
Aperçu de votre site web

## 11
### CLIENTS

| 👥 Clients | 🔒 Administrateurs |
|---|---|

### Nouveaux clients

**Nom**

**Moses Kuhlman**
igottlieb@yahoo.com

🔍 Lister

**Leopold Greenfelder**
streich.hilda@wiegand.com

🔍 Lister

**Gracie Rice**
kristin58@mueller.com

🔍 Lister

**Warren DuBuque**
dicki.betty@gmail.com

🔍 Lister

**Queenie Lehner**
wrowe@gmail.com

🔍 Lister

# Probably the biggest,

# open-sourced example of BDD usage

Sylius

# Friends of Behat

# Friends of Behat

The most awesome Behat extensions!

## Pinned repositories

### 📖 SymfonyExtension

🎼 Integrates Behat with Symfony.

🟣 Gherkin    ⭐ 192    ⑂ 18

### 📖 VariadicExtension

🍺 Adds variadic arguments support to Behat steps definitions

🟣 Gherkin    ⭐ 107    ⑂ 3

### 📖 ServiceContainerExtension

📻 Allows to declare own services inside Behat container without writing an extension.

🟣 Gherkin    ⭐ 104    ⑂ 5

### 📖 SuiteSettingsExtension

📎 Allows to overwrite suites' default settings.

🟣 Gherkin    ⭐ 98    ⑂ 2

### 📖 TestContext

🎓 Provides reusable context that helps in testing Behat extensions.

🔵 PHP    ⭐ 13    ⑂ 3

### 📖 PageObjectExtension

📟 Default classes for Page object pattern in Behat

🔵 PHP    ⭐ 61    ⑂ 7

Find a repository…

Type: **All** ▾    Language: **All** ▾    📖 **New**

I'm working with eCommerce.

Why should I be interested in Sylius?

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# Best of Breed

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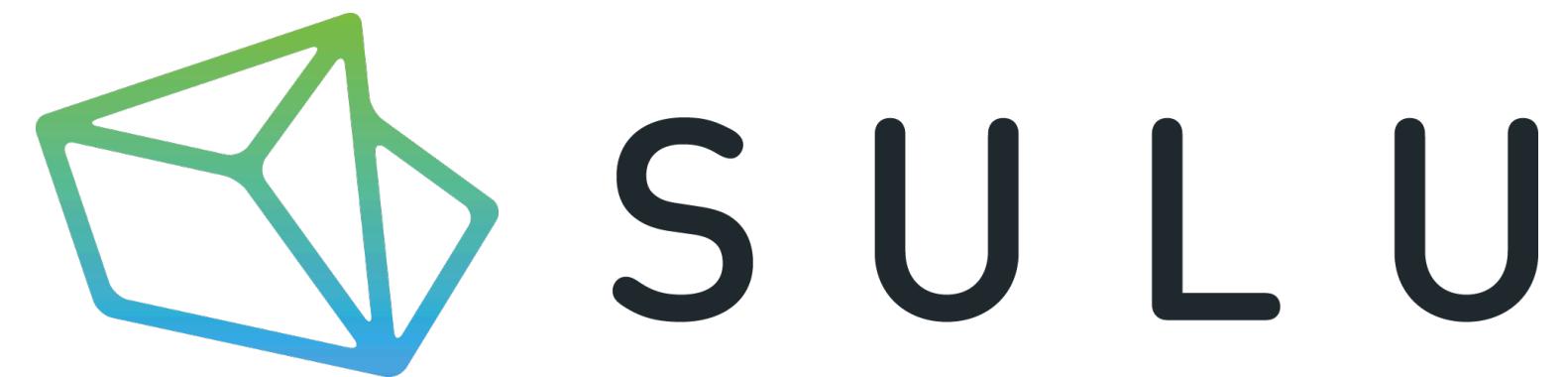
Admin Rest API

Symfony Messenger

# Headless approach

# Shop API

# Simplicity in usage

New promotion rule?

```php
final class BirthdayPromotionRuleChecker implements RuleCheckerInterface
{
    public function isEligible(
        PromotionSubjectInterface $subject,
        array $configuration
    ): bool {
        return
            $subject->getCustomer()->getBirthday()->format('m-d') ===
            (new \DateTime())->format('m-d')
        ;
    }
}
```

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            (new \DateTime())->format('m-d')
        ;
    }
}
```

```yaml
App\BirthdayPromotionRuleChecker:
    tags:
        -
            name: sylius.promotion_rule_checker
            label: Birthday Promo
            type: brithday
            form_type: Symfony\Component\Form\Extension\Core\Type\FormType
```

```yaml
App\BirthdayPromotionRuleChecker:
    tags:
        -
            name: sylius.promotion_rule_checker
            label: Birthday Promo
            type: brithday
            form_type: Symfony\Component\Form\Extension\Core\Type\FormType
```

# New promotion

Manage discounts and promotional campaigns

Administration > Promotions > New

Code *

Name *

Description

Usage limit

Priority

0

Coupon based

Channels *

Exclusive *

CH Web Store

**Start Date & End date**

Starts at

dd/mm/yyyy

--:--

Ends at

dd/mm/yyyy

--:--

**Configuration**

Rules *

Actions *

Add action

Type *

Birthday Promo

🗑 Delete

⊞ Add rule

➕ Create    Cancel

Promotion Rules & Actions

Contexts

Shipping & Tax Calculators

# Customization of order processing?

```php
final class CustomOrderProcessor implements OrderProcessorInterface
{
    public function process(BaseOrderInterface $order): void
    {
        foreach ($order->getPayments() as $payment) {
            $paymentMethod = $payment->getMethod();

            $adjustment = $this->factory->createWithData(
                'payment',
                'Payment fee',
                $paymentMethod->getFee() ?? 0
            );

            $order->addAdjustment($adjustment);
        }
    }
}
```

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                'payment',
                'Payment fee',
                $paymentMethod->getFee() ?? 0
            );

            $order->addAdjustment($adjustment);
        }
    }
}
```

```yaml
App\OrderProcessing\CustomOrderProcessor:
    tags:
        - { name: sylius.order_processor, priority: 40 }
```

```yaml
App\OrderProcessing\CustomOrderProcessor:
    tags:
        - { name: sylius.order_processor, priority: 40 }
```

Sylius

Required reaction after order has been placed?

```php
final class CustomEntityCreator
{
    public function createForOrder(Order $order): void
    {
        if (/**  */) {
            $customEntity = $this->factory->createNew();
            /**  */
            $this->repository->add($customEntity);
        }
    }
}
```

```yaml
winzou_state_machine:
  sylius_order:
    callbacks:
      after:
        create_custom_entity:
          on: ["create"]
          do: ["@App\\Creator\\CustomEntityCreator", "fromOrder"]
          args: ["object"]
```

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winzou_state_machine:
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            /**  */
            $this->repository->add($customEntity);
        }
    }
}
```

# State Machine FTW!

# And even more to come!

Sylius

MUGS STICKERS BOOKS T-SHIRTS ▾

## Latest products

Sticker "aut"

$7.33 | View more

Book "consequuntur" by Vito Lebsack

$2.12 | View more
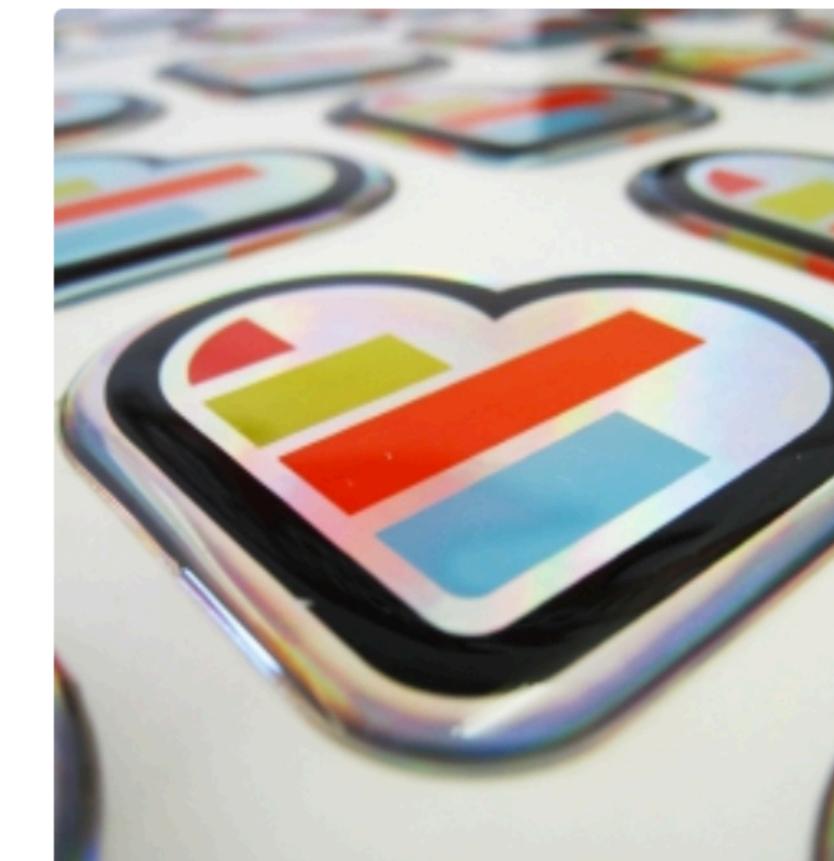
Sticker "sed"

$7.49 | View more
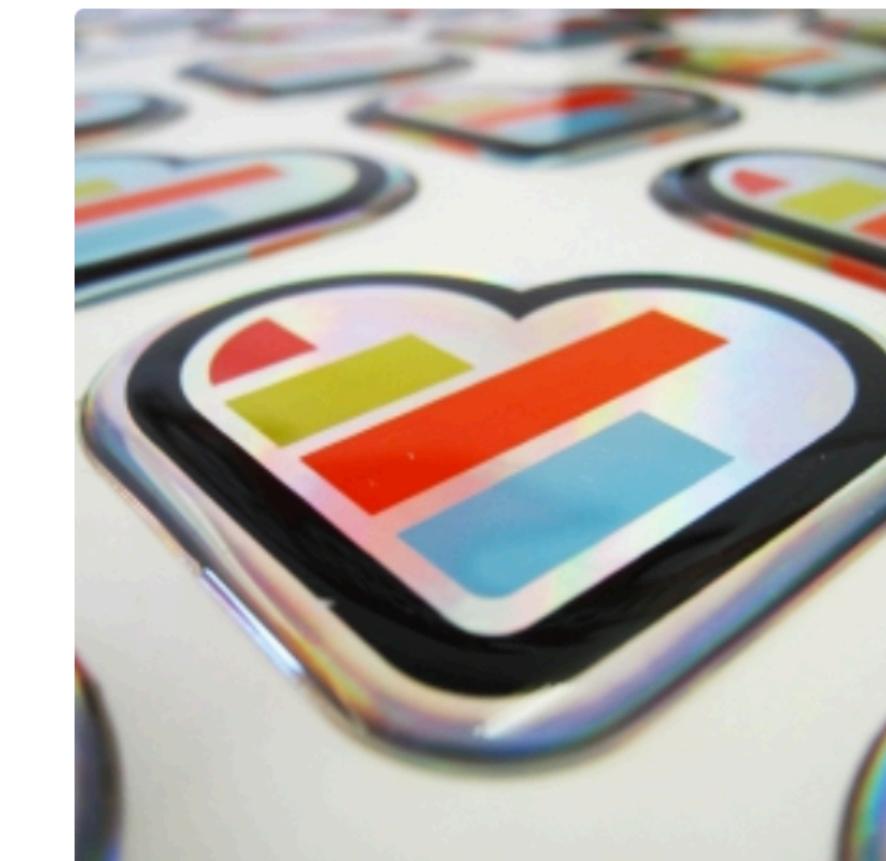
Sticker "illum"

$0.97 | View more

### Your Store

About

Terms and Conditions

Privacy Policy

Contact us

### Customer Care

Contact us

FAQs

Delivery & Shipping

Returns Policy

### © Your Store

# Summary

# Sylius
# Community Beer
# at SymfonyCon

Belushi's
6 PM

Sylius

# Thank you!

# Q & A

@Sylius and @lukaszchrusciel

https://github.com/Sylius/Sylius

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