



# Pole position on the grid

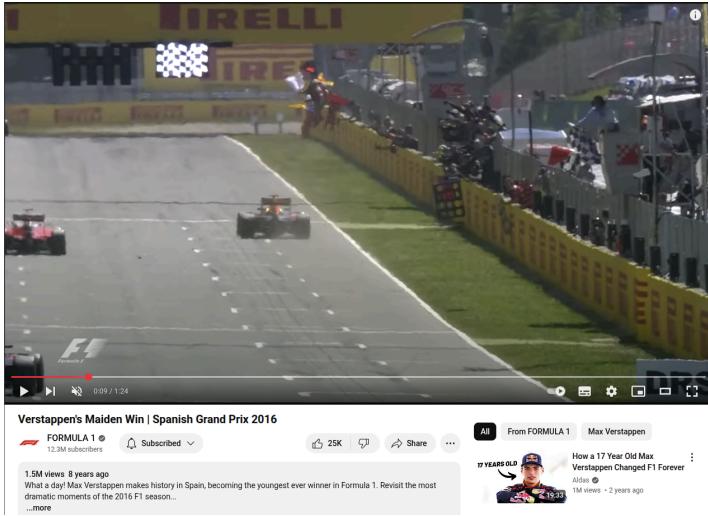


Awesome new Sylius Grid features to put you in the driver's seat



# Estelle Gaits

- Web developer @Akawaka
- Sylius Key Contributor
- In June 2016, I was there :



Estelle Gaits

stlgaits · she/her

PHP / Symfony web developer

Edit profile

26 followers · 105 following

Akawaka

France

in/estellegaits

## Achievements



## Organizations



stlgaits / README.md

Adishatz 🌟

I'm Estelle. I am a PHP / Symfony backend developer from France 🇫🇷

Once upon a time, I used to be an MFL Teacher 🎓 (French & Spanish) in London 🇬🇧

60 3 104

Reputation Longest streak Posts read

Estelle Gaits

@totoche65 • May 13, 2022

PHP / Symfony developer

#webdev #productivity #devtools

#git #php

daily.dev

⚡ I'm a web developer at Akawaka

👉 I'm currently learning Sylius and Sulu

✉️ I would like to learn Sulu, Svelte and GO as well as continue to explore API Platform.

## My battleground

PHP SYMFONY PHPSTORM PHPTSTAN PHPUNIT MYSQL MARIADB DOCKER

CSS3 BOOTSTRAP TAILWINDCSS JAVASCRIPT REACT STIMULUS JQUERY

VISUALSTUDIOCODE

# Loïc Frémont

- Technical Expert @Akawaka
- Sylius Key Contributor
- Sylius Stack Main Maintainer

The screenshot shows Loïc Frémont's GitHub profile. At the top is a circular profile picture of him. Below it, his name "Loïc Frémont" and GitHub handle "loic425" are displayed. A "Follow" button and a "Sponsor" button are present. It shows he has 49 followers and is following 13 people. His location is listed as Rennes, France, and his GitHub handle is @loic\_425.

On the right, there's a pinned repository section with four items:

- Sylius/Sylius** (Public) - Open Source eCommerce Framework on Symfony. PHP, 8.2k stars, 2.1k forks.
- Sylius/Stack** (Public) - The Sylius stack is a set of tools for your Symfony projects. PHP, 25 stars, 16 forks.
- Sylius/SyliusResourceBundle** (Public) - Simpler CRUD for Symfony applications. PHP, 226 stars, 155 forks.
- monofony/Monofony** (Public) - Main repository for all Monofony bundles. PHP, 109 stars, 14 forks.

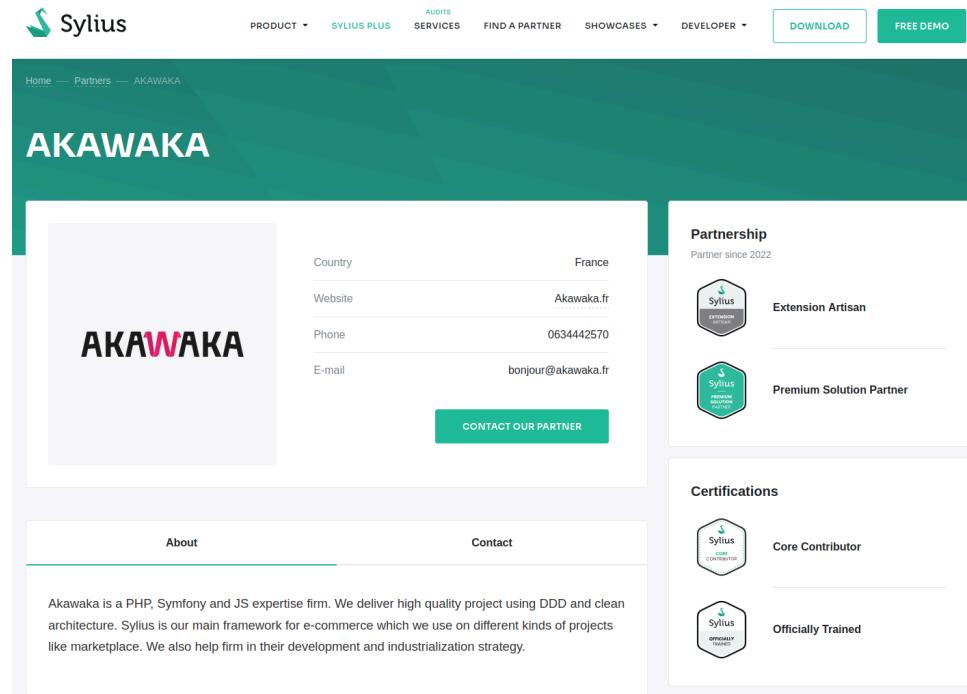
Below this is a section titled "Achievements" showing various GitHub milestones. To the right is a chart titled "1,816 contributions in the last year" showing a heatmap of activity across months and days of the week. Further down is an "Activity overview" section with a pie chart showing contribution types: 64% Commits, 22% Pull requests, and 12% Code review.

The sidebar on the right lists years from 2014 to 2024, with 2025 highlighted in blue.

1. Akawaka & Sylius
2. What's under the hood of the  
Sylius Stack?
3. What if... you were Toto Wolff?
4. Mystery surprise 🤫
5. Quick practice before it's your  
time to shine!
6. Conclusion

# Akawaka & Sylius

## a true ❤️ story



The screenshot shows the Sylius Partner page for Akawaka. At the top, there's a navigation bar with links for PRODUCT, SYLIUS PLUS, AUDITS, SERVICES, FIND A PARTNER, SHOWCASES, DEVELOPER, DOWNLOAD, and FREE DEMO. Below the navigation is a breadcrumb trail: Home — Partners — AKAWAKA. The main title "AKAWAKA" is displayed prominently. To the left, there's a large image of the Akawaka logo, which consists of the word "AKAWAKA" in a bold, sans-serif font with the letter "W" in pink. To the right of the image, there are contact details: Country (France), Website (Akawaka.fr), Phone (0634442570), and E-mail (bonjour@akawaka.fr). A "CONTACT OUR PARTNER" button is located below these details. On the far right, there are two sections: "Partnership" (Partner since 2022) with icons for "Extension Artisan" and "Premium Solution Partner", and "Certifications" with icons for "Core Contributor" and "Officially Trained". Below the contact section, there are "About" and "Contact" links. A descriptive paragraph at the bottom states: "Akawaka is a PHP, Symfony and JS expertise firm. We deliver high quality project using DDD and clean architecture. Sylius is our main framework for e-commerce which we use on different kinds of projects like marketplace. We also help firm in their development and industrialization strategy."

# Akawaka & Sylius

## a true ❤️ story

- Sylius Partner since 2022

The screenshot shows the Sylius Partner page for Akawaka. At the top, there's a navigation bar with links for PRODUCT, SYLIUS PLUS, SERVICES, AUDITS, FIND A PARTNER, SHOWCASES, DEVELOPER, DOWNLOAD, and FREE DEMO. Below the navigation, the page title is "AKAWAKA". On the left, there's a large image of the Akawaka logo, which consists of the word "AKAWAKA" in white and pink. To the right of the image, there's contact information: Country (France), Website (Akawaka.fr), Phone (0634442570), and E-mail (bonjour@akawaka.fr). A "CONTACT OUR PARTNER" button is located below this information. On the right side of the page, there are two sections: "Partnership" and "Certifications". The "Partnership" section includes icons for "Extension Artisan" and "Premium Solution Partner", both from Sylius. The "Certifications" section includes icons for "Core Contributor" and "Officially Trained", also from Sylius. Below the "Partnership" section, it says "Partner since 2022".

# Akawaka & Sylius

## a true ❤️ story

- Sylius Partner since 2022
- 4 amazing Sylius Key Contributors :
  - Loïc Frémont
  - Valentin Silvestre
  - Florian Merle
  - Estelle Gaits

The screenshot shows the Sylius Partner page for Akawaka. At the top, there's a navigation bar with links for Home, Partners, AKAWAKA, PRODUCT, SYLIUS PLUS, AUDITS, SERVICES, FIND A PARTNER, SHOWCASES, DEVELOPER, DOWNLOAD, and FREE DEMO. The main content area features the Akawaka logo and some contact information: Country (France), Website (Akawaka.fr), Phone (0634442570), and E-mail (bonjour@akawaka.fr). There's also a "CONTACT OUR PARTNER" button. To the right, there are sections for Partnership (Partner since 2022) showing badges for Sylius Extension Artisan and Premium Solution Partner, and a section for Certifications showing badges for Core Contributor and Officially Trained. Below the main content, there's a brief description of Akawaka's expertise: "Akawaka is a PHP, Symfony and JS expertise firm. We deliver high quality project using DDD and clean architecture. Sylius is our main framework for e-commerce which we use on different kinds of projects like marketplace. We also help firm in their development and industrialization strategy."



Search menu...

## Dashboard

Search menu...

@ Dashboard

Library

@ Configuration

Conferences

Talks

Speakers

## Dashboard



TALKS

5



SPEAKERS

3



CONFERENCES

5

2 Semaines

Mois

Année



### New talks

#### TITLE

Voluptate architecto voluptatem debitis.  
Stéphane Decock

Maiores voluptas perspiciatis cupiditate voluptas ut ut quo.  
Mikolaj Król

Consequuntur modi explicabo voluptatibus debitisi nam.  
Jacques Bodin-Hullin

Dicta aut et id voluptatem quia quod.  
Manuele Menozzi

Velit perspiciatis assumenda voluptatem tempore.  
Loïc Caillieux

[Show all](#)

### New speakers

#### NAME

Julien Jacottet  
Mezcalito

Hélène Gravelier  
Synolia

Gregor Šink  
Creatim d.o.o.

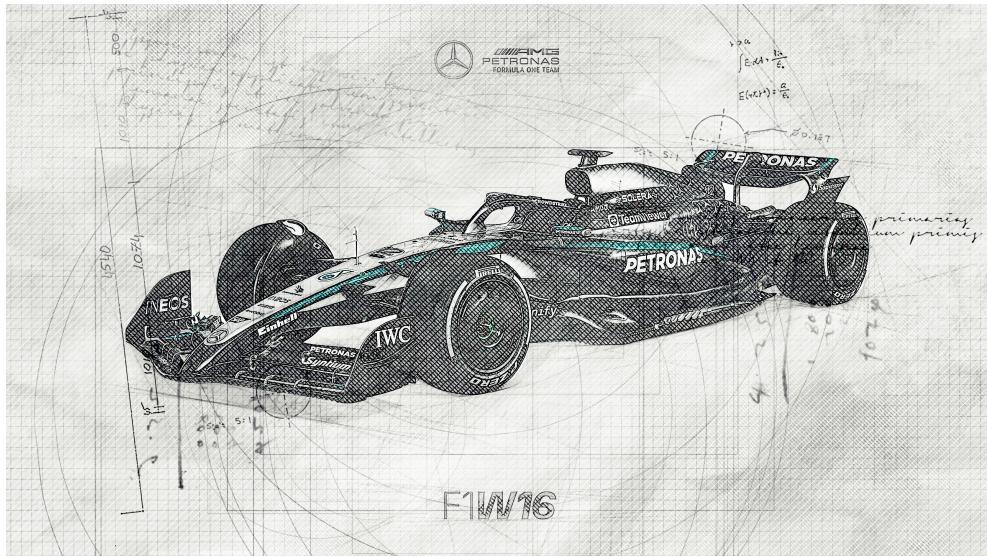
Joachim Løvgaard  
Sylius Core Team Member, Setono

Stephan Hochdörfer  
bitExpert AG

[Show all](#)

# What's under the hood of the Sylius Stack?

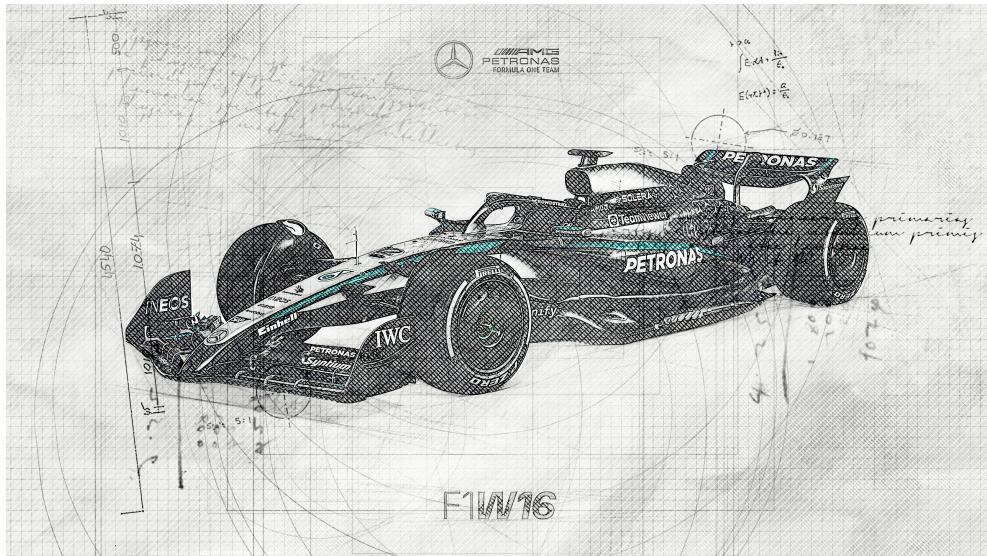
Create a lean & mean back-office in no time  
with :



# What's under the hood of the Sylius Stack?

Create a lean & mean back-office in no time  
with :

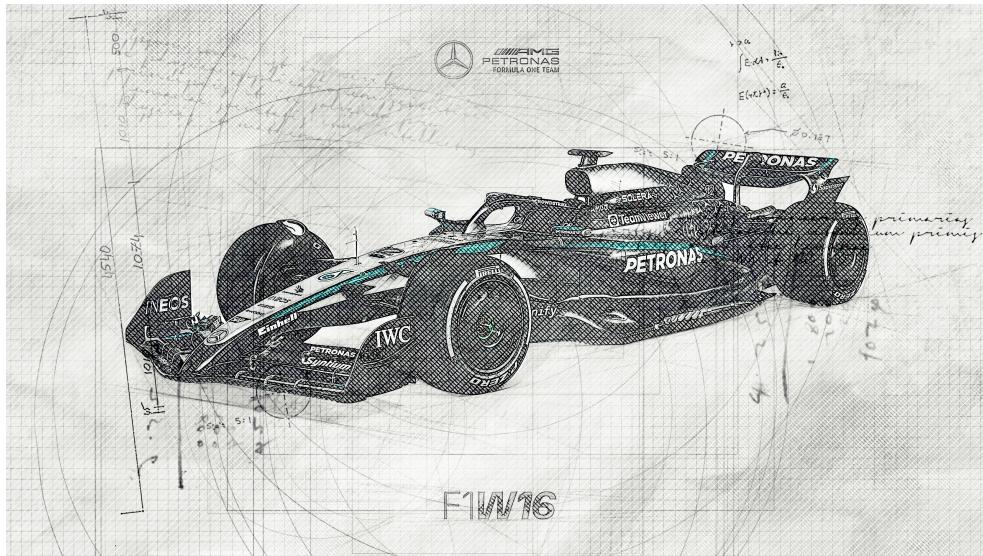
- **Sylius Grid bundle**



# What's under the hood of the Sylius Stack?

Create a lean & mean back-office in no time  
with :

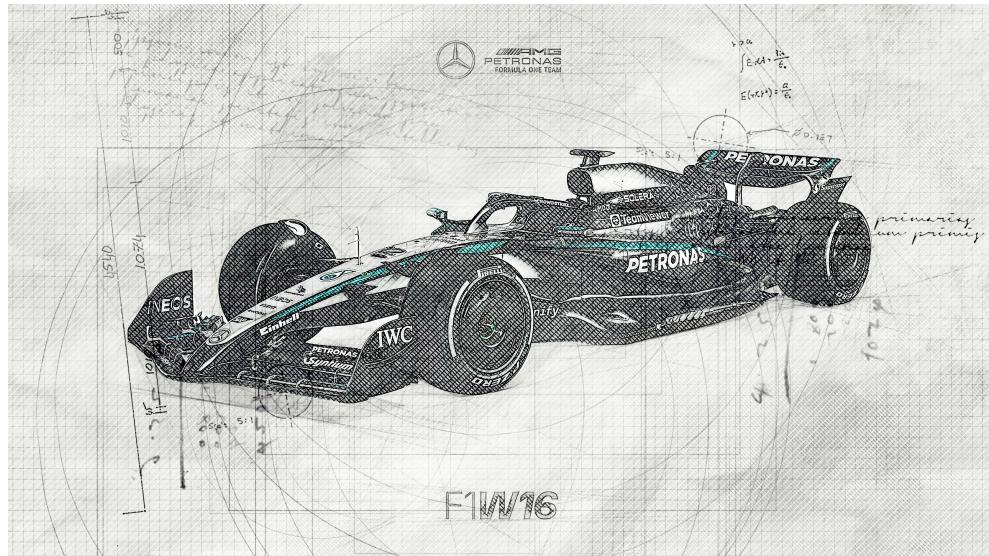
- **Sylius Grid bundle**
- Sylius Resource bundle



# What's under the hood of the Sylius Stack?

Create a lean & mean back-office in no time  
with :

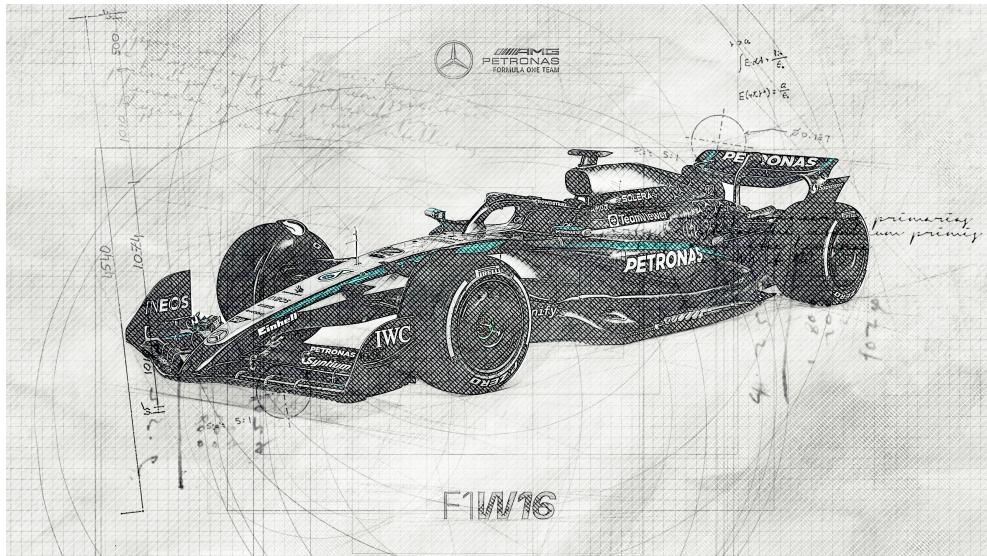
- **Sylius Grid bundle**
- Sylius Resource bundle
- Doctrine ORM & DBAL drivers



# What's under the hood of the Sylius Stack?

Create a lean & mean back-office in no time  
with :

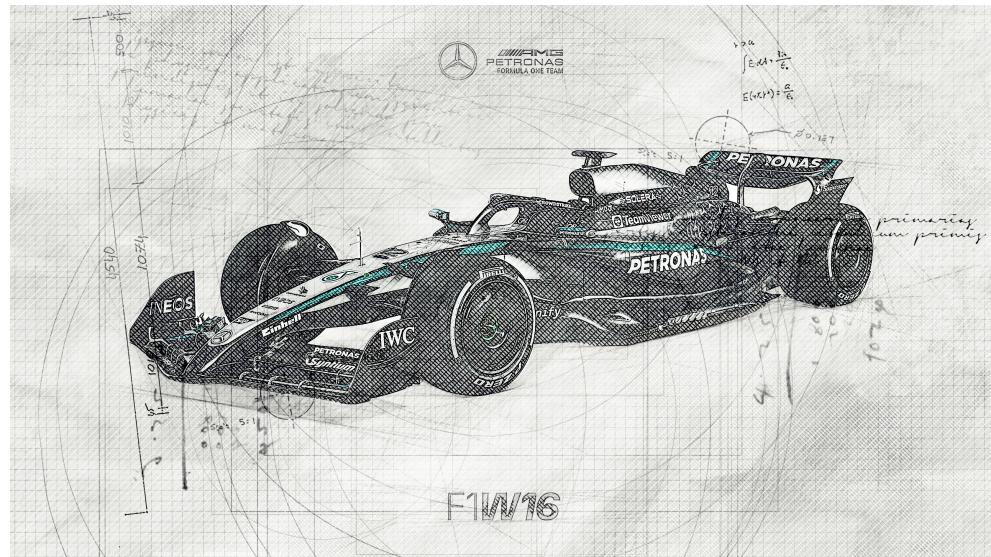
- **Sylius Grid bundle**
- Sylius Resource bundle
- Doctrine ORM & DBAL drivers
- Providers/processors system



# What's under the hood of the Sylius Stack?

Create a lean & mean back-office in no time  
with :

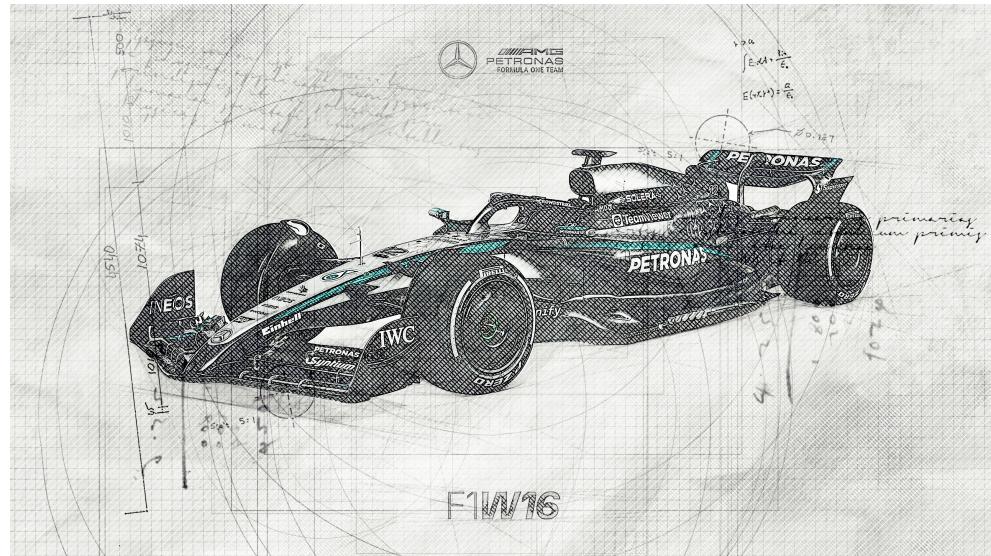
- **Sylius Grid bundle**
- Sylius Resource bundle
- Doctrine ORM & DBAL drivers
- Providers/processors system
- Bootstrap Admin UI



# What's under the hood of the Sylius Stack?

Create a lean & mean back-office in no time  
with :

- **Sylius Grid bundle**
- Sylius Resource bundle
- Doctrine ORM & DBAL drivers
- Providers/processors system
- Bootstrap Admin UI
- Symfony UX, AssetMapper and more !



# What if... you were Toto Wolff?

Let's create a Formula 1 admin panel using :

- the OpenF1 API
- the Sylius Stack
  - boosted `make:grid` command
  - new Sylius Grid Attributes
    - `#[AsGrid]`
    - `#[AsFilter]`



# Starting slowly



# Practice 1: let's generate a simple grid view

Dashboard / Drivers



Drivers

Show 10 ▾

IMAGE	NUMBER	FIRSTNAME	LASTNAME	COUNTRYCODE	TEAM
	1	Max	Verstappen	NED	Red Bull Racing
	2	Logan	Sargeant	USA	Williams
	4	Lando	Norris	GBR	McLaren
	10	Pierre	Gasly	FRA	Alpine
	11	Sergio	Perez	MEX	Red Bull Racing
	14	Fernando	Alonso	ESP	Aston Martin
	16	Charles	Leclerc	MON	Ferrari
	18	Lance	Stroll	CAN	Aston Martin
	20	Kevin	Magnussen	DEN	Haas F1 Team
	22	Yuki	Tsunoda	JPN	AlphaTauri

Showing 1 to 10 of 20 entries

< Previous 1 2 Next >

# What do we need to generate an index grid?

- **routing & operations** (Sylius Resource attributes)
- a data **model** (can be a Sylius Resource)
- a **data provider** (Doctrine, API repo, etc)
- a **Sylius Grid** definition (structure: fields, filters, sorting, pagination and actions)

# 1- Create a Resource

```
#[AsResource(  
    templatesDir: '@SyliusAdminUi/crud',  
    operations: [  
        new Index(grid: DriverGrid::class),  
    ],  
)]  
final readonly class DriverResource implements ResourceInterface  
{  
    public function __construct(  
        public int $number,  
        public string $firstName,  
        public string $lastName,  
        public string $countryCode,  
        public string $teamName,  
        public string|null $image = null,  
    ) {  
    }  
  
    public function getId(): int  
    {  
        return $this->number;  
    }  
}
```

# 1- Create a Resource

```
#[AsResource(
    templatesDir: '@SyliusAdminUi/crud',
    operations: [
        new Index(grid: DriverGrid::class),
    ],
)]
final readonly class DriverResource implements ResourceInterface
{
    public function __construct(
        public int $number,
        public string $firstName,
        public string $lastName,
        public string $countryCode,
        public string $teamName,
        public string|null $image = null,
    ) {
    }

    public function getId(): int
    {
        return $this->number;
    }
}
```

# 1- Create a Resource

```
#[AsResource(  
    templatesDir: '@SyliusAdminUi/crud',  
    operations: [  
        new Index(grid: DriverGrid::class),  
    ],  
)]  
final readonly class DriverResource implements ResourceInterface  
{  
    public function __construct(  
        public int $number,  
        public string $firstName,  
        public string $lastName,  
        public string $countryCode,  
        public string $teamName,  
        public string|null $image = null,  
    ) {  
    }  
  
    public function getId(): int  
    {  
        return $this->number;  
    }  
}
```

■ Improved `make:grid` console command

## 3- Create a Grid

## 3- Create a Grid

 Now you can also create a grid based on a non-Doctrine entity, including... Sylius Resources !

## 3- Create a Grid

 Now you can also create a grid based on a non-Doctrine entity, including... Sylius Resources !

```
symfony console make:grid 'App\Resource\DriverResource'
```

## 3- Create a Grid

 Now you can also create a grid based on a non-Doctrine entity, including... Sylius Resources !

```
symfony console make:grid 'App\Resource\DriverResource'
```

 stlgaits commented last week • edited by loic425

The current implementation of the `make:grid` command assumes a Doctrine entity as the only valid input. This PR introduces enhanced flexibility to the command by allowing developers to generate grids based on resource classes beyond standard Doctrine entities.

With this change, you can use any PHP class—such as a Sylius Resource implementation—as the basis for your grid configuration. This makes the command more versatile and better suited to projects using custom resource patterns or non-standard data sources.

Example usage:

```
symfony console make:grid 'App\BoardGameBlog\Infrastructure\\Sylius\Resource\BoardGameResource'
```

This command will now correctly scaffold a grid using the specified class, even if it is not a traditional Doctrine entity.

## 3- Create a Grid

```
##[AsGrid(
    resourceClass: DriverResource::class,
    name: 'app_driver_resource',
)]
final class DriverResourceGrid extends AbstractGrid
{
    public function __construct() { // TODO inject services if required }

    public function __invoke(GridBuilderInterface $gridBuilder): void
    {
        $gridBuilder
            ->addField(StringField::create('firstName')->setLabel('FirstName')->setSortable(true))
            // ... all fields are added except "id"
            ->addActionGroup(MainActionGroup::create(
                CreateAction::create()
            ))
            ->addActionGroup(BulkActionGroup::create(
                DeleteAction::create()
            ))
            ->addActionGroup(ItemActionGroup::create(
                // ShowAction::create(),
                UpdateAction::create(),
                DeleteAction::create()
            ))
    }
};
```

## 3- Create a Grid

```
##[AsGrid(
    resourceClass: DriverResource::class,
    name: 'app_driver_resource',
)]
final class DriverResourceGrid extends AbstractGrid
{
    public function __construct() { // TODO inject services if required }

    public function __invoke(GridBuilderInterface $gridBuilder): void
    {
        $gridBuilder
            ->addField(StringField::create('firstName')->setLabel('FirstName')->setSortable(true))
            // ... all fields are added except "id"
            ->addActionGroup(MainActionGroup::create(
                CreateAction::create()
            ))
            ->addActionGroup(BulkActionGroup::create(
                DeleteAction::create()
            ))
            ->addActionGroup(ItemActionGroup::create(
                // ShowAction::create(),
                UpdateAction::create(),
                DeleteAction::create()
            ))
    }
};
```

## 3- Create a Grid

```
##[AsGrid(
    resourceClass: DriverResource::class,
    name: 'app_driver_resource',
)]
final class DriverResourceGrid extends AbstractGrid
{
    public function __construct() { // TODO inject services if required }

    public function __invoke(GridBuilderInterface $gridBuilder): void
    {
        $gridBuilder
            ->addField(StringField::create('firstName')->setLabel('FirstName')->setSortable(true))
            // ... all fields are added except "id"
            ->addActionGroup(MainActionGroup::create(
                CreateAction::create()
            ))
            ->addActionGroup(BulkActionGroup::create(
                DeleteAction::create()
            ))
            ->addActionGroup(ItemActionGroup::create(
                // ShowAction::create(),
                UpdateAction::create(),
                DeleteAction::create()
            )
        );
    }
}
```

## 3- Create a Grid

```
#[AsGrid(
    resourceClass: DriverResource::class,
    name: 'app_driver_resource',
)]
final class DriverResourceGrid extends AbstractGrid
{
    public function __construct() { // TODO inject services if required }

    public function __invoke(GridBuilderInterface $gridBuilder): void
    {
        $gridBuilder
            ->addField(StringField::create('firstName')->setLabel('FirstName')->setSortable(true))
            // ... all fields are added except "id"
            ->addActionGroup(MainActionGroup::create(
                CreateAction::create()
            ))
            ->addActionGroup(BulkActionGroup::create(
                DeleteAction::create()
            ))
            ->addActionGroup(ItemActionGroup::create(
                // ShowAction::create(),
                UpdateAction::create(),
                DeleteAction::create()
            ))
    }
};
```

Doctrine ORM manager for class "App\Resource\DriverResource" not found.

[Exception](#)[Logs](#)

1

[Stack Trace](#)

Sylius\Component\Grid\Exception\



## RuntimeException

- + in vendor/sylius/grid-bundle/src/Bundle/Doctrine/ORM/Driver.php (line 43)
- + in vendor/sylius/grid-bundle/src/Component/Data/DataSourceProvider.php -> **getDataSource** (line 40)
- + in vendor/sylius/grid-bundle/src/Component/Data/DataProvider.php -> **getDataSource** (line 41)
- + in vendor/sylius/grid-bundle/src/Component/Data/Provider.php -> **getData** (line 34)
- + in vendor/sylius/resource-bundle/src/Bundle/Grid\View\ResourceGridViewFactory.php -> **getData** (line 46)
- + in vendor/sylius/resource-bundle/src/Bundle/Grid\View\LegacyGridViewFactory.php -> **create** (line 45)
- + in vendor/sylius/resource-bundle/src/Component/src/Grid/State/RequestGridProvider.php -> **create** (line 62)
- + in vendor/sylius/resource-bundle/src/Component/src/State/Provider.php -> **provide** (line 50)
- + in vendor/sylius/resource-bundle/src/Component/src/State/Provider/ReadProvider.php -> **provide** (line 44)
- + in vendor/sylius/resource-bundle/src/Component/src/State/Provider/FactoryProvider.php -> **provide** (line 36)
- + in vendor/sylius/resource-bundle/src/Component/src/Symfony\EventDispatcher/State/DispatchPostReadEventProvider.php -> **provide** (line 36)
- + in vendor/sylius/resource-bundle/src/Component/src/Symfony/Serializer/State/DeserializeProvider.php -> **provide** (line 38)
- + in vendor/sylius/resource-bundle/src/Component/src/Symfony/Form/State/FormProvider.php -> **provide** (line 39)

## 4- Add provider to grid

```
#[AsGrid(  
    resourceClass: DriverResource::class,  
    name: 'app_driver_resource',  
    provider: DriverGridProvider::class,  
)]
```

## 4- Add provider to grid

```
##[AsGrid(  
    resourceClass: DriverResource::class,  
    name: 'app_driver_resource',  
    provider: DriverGridProvider::class,  
)]
```

## 4- Add provider to grid

```
#[AsGrid(  
    resourceClass: DriverResource::class,  
    name: 'app_driver_resource',  
    provider: DriverGridProvider::class,  
)]
```

## 2- Create a custom Grid Data Provider

```
namespace App\Grid;

use Pagerfanta\Adapter\FixedAdapter;
use Pagerfanta\Pagerfanta;
use Pagerfanta\PagerfantaInterface;
use Sylius\Component\Grid\Data\DataProviderInterface;
use Sylius\Component\Grid\Definition\Grid;
use Sylius\Component\Grid\Parameters;

final readonly class DriverGridProvider implements DataProviderInterface
{
    public function getData(Grid $grid, Parameters $parameters): PagerFantaInterface
    {
        // start with an empty paginator
        return new Pagerfanta(new FixedAdapter(0, []));
    }
}
```

## 2- Create a custom Grid Data Provider

```
namespace App\Grid;

use Pagerfanta\Adapter\FixedAdapter;
use Pagerfanta\Pagerfanta;
use Pagerfanta\PagerfantaInterface;
use Sylius\Component\Grid\Data\DataProviderInterface;
use Sylius\Component\Grid\Definition\Grid;
use Sylius\Component\Grid\Parameters;

final readonly class DriverGridProvider implements DataProviderInterface
{
    public function getData(Grid $grid, Parameters $parameters): PagerFantaInterface
    {
        // start with an empty paginator
        return new Pagerfanta(new FixedAdapter(0, []));
    }
}
```

## 2- Create a custom Grid Data Provider

```
namespace App\Grid;

use Pagerfanta\Adapter\FixedAdapter;
use Pagerfanta\Pagerfanta;
use Pagerfanta\PagerfantaInterface;
use Sylius\Component\Grid\Data\DataProviderInterface;
use Sylius\Component\Grid\Definition\Grid;
use Sylius\Component\Grid\Parameters;

final readonly class DriverGridProvider implements DataProviderInterface
{
    public function getData(Grid $grid, Parameters $parameters): PagerFantaInterface
    {
        // start with an empty paginator
        return new Pagerfanta(new FixedAdapter(0, []));
    }
}
```

## 2- Create a custom Grid Data Provider

```
namespace App\Grid;

use Pagerfanta\Adapter\FixedAdapter;
use Pagerfanta\Pagerfanta;
use Pagerfanta\PagerfantaInterface;
use Sylius\Component\Grid\Data\DataProviderInterface;
use Sylius\Component\Grid\Definition\Grid;
use Sylius\Component\Grid\Parameters;

final readonly class DriverGridProvider implements DataProviderInterface
{
    public function getData(Grid $grid, Parameters $parameters): PagerFantaInterface
    {
        // start with an empty paginator
        return new Pagerfanta(new FixedAdapter(0, []));
    }
}
```

## 2- Create a custom Grid Data Provider

```
namespace App\Grid;

use Pagerfanta\Adapter\FixedAdapter;
use Pagerfanta\Pagerfanta;
use Pagerfanta\PagerfantaInterface;
use Sylius\Component\Grid\Data\DataProviderInterface;
use Sylius\Component\Grid\Definition\Grid;
use Sylius\Component\Grid\Parameters;

final readonly class DriverGridProvider implements DataProviderInterface
{
    public function getData(Grid $grid, Parameters $parameters): PagerFantaInterface
    {
        // start with an empty paginator
        return new Pagerfanta(new FixedAdapter(0, []));
    }
}
```

## 2- Create a custom Grid Data Provider

```
namespace App\Grid;

use Pagerfanta\Adapter\FixedAdapter;
use Pagerfanta\Pagerfanta;
use Pagerfanta\PagerfantaInterface;
use Sylius\Component\Grid\Data\DataProviderInterface;
use Sylius\Component\Grid\Definition\Grid;
use Sylius\Component\Grid\Parameters;

final readonly class DriverGridProvider implements DataProviderInterface
{
    public function getData(Grid $grid, Parameters $parameters): PagerFantaInterface
    {
        // start with an empty paginator
        return new Pagerfanta(new FixedAdapter(0, []));
    }
}
```



Search menu...

Dashboard

Formula One

Drivers

Team radios

Sessions

Teams

Dashboard / Drivers

## Drivers



No results found

Adjust your search and try again.

# Use hardcoded data

```
// ...

final readonly class DriverGridProvider implements DataProviderInterface
{
    public function getData(Grid $grid, Parameters $parameters): PagerFantaInterface
    {
        // start with a fixed data paginator
        return new Pagerfanta(new FixedAdapter(4, $this->getDrivers()));
    }

    private function getDrivers(): iterable
    {
        yield new DriverResource(number: 1, firstName: 'Max', lastName: 'Verstappen', countryCode: 'NED', teamName: 'Red Bull')
        yield new DriverResource(number: 2, firstName: 'Logan', lastName: 'Sargeant', countryCode: 'USA', teamName: 'Williams')
        yield new DriverResource(number: 4, firstName: 'Lando', lastName: 'Norris', countryCode: 'GBR', teamName: 'McLaren')
        yield new DriverResource(number: 44, firstName: 'Lewis', lastName: 'Hamilton', countryCode: 'GBR', teamName: 'Mercedes')
    }
}
```

# Use hardcoded data

```
// ...

final readonly class DriverGridProvider implements DataProviderInterface
{
    public function getData(Grid $grid, Parameters $parameters): PagerFantaInterface
    {
        // start with a fixed data paginator
        return new Pagerfanta(new FixedAdapter(4, $this->getDrivers()));
    }

    private function getDrivers(): iterable
    {
        yield new DriverResource(number: 1, firstName: 'Max', lastName: 'Verstappen', countryCode: 'NED', teamName: 'Red Bull Racing')
        yield new DriverResource(number: 2, firstName: 'Logan', lastName: 'Sargeant', countryCode: 'USA', teamName: 'Williams')
        yield new DriverResource(number: 4, firstName: 'Lando', lastName: 'Norris', countryCode: 'GBR', teamName: 'McLaren')
        yield new DriverResource(number: 44, firstName: 'Lewis', lastName: 'Hamilton', countryCode: 'GBR', teamName: 'Mercedes')
    }
}
```

# Use hardcoded data

```
// ...

final readonly class DriverGridProvider implements DataProviderInterface
{
    public function getData(Grid $grid, Parameters $parameters): PagerFantaInterface
    {
        // start with a fixed data paginator
        return new Pagerfanta(new FixedAdapter(4, $this->getDrivers()));
    }

    private function getDrivers(): iterable
    {
        yield new DriverResource(number: 1, firstName: 'Max', lastName: 'Verstappen', countryCode: 'NED', teamName: 'Red Bull')
        yield new DriverResource(number: 2, firstName: 'Logan', lastName: 'Sargeant', countryCode: 'USA', teamName: 'Williams')
        yield new DriverResource(number: 4, firstName: 'Lando', lastName: 'Norris', countryCode: 'GBR', teamName: 'McLaren')
        yield new DriverResource(number: 44, firstName: 'Lewis', lastName: 'Hamilton', countryCode: 'GBR', teamName: 'Mercedes')
    }
}
```

Search menu...

[Dashboard](#)[Formula One](#)[Drivers](#)[Team radios](#)[Sessions](#)[Teams](#)

Dashboard / Drivers



## Drivers

Show 10 ▾

IMAGE	NUMBER	FIRSTNAME	LASTNAME	COUNTRYCODE	TEAM
	1	Max	Verstappen	NED	Red Bull Racing
	2	Logan	Sargeant	USA	Williams
	4	Lando	Norris	GBR	McLaren
	44	Lewis	Hamilton	GBR	Mercedes

Showing 1 to 3 of 3 entries

&lt; Previous 1 Next &gt;

Now, let's use real data from the API!



```
namespace App\Grid\Provider;

use Pagerfanta\Adapter\ArrayAdapter;
use Pagerfanta\Pagerfanta;
use Pagerfanta\PagerfantaInterface;
use Sylius\Component\Grid\Data\DataProviderInterface;
use Sylius\Component\Grid\Definition\Grid;
use Sylius\Component\Grid\Parameters;
use Symfony\Contracts\HttpClient\HttpClientInterface;

final readonly class DriverGridProvider implements DataProviderInterface
{
    public function __construct(
        private HttpClientInterface $openF1Client,
    ) {}

    public function getData(Grid $grid, Parameters $parameters): PagerFantaInterface
    {
        return new Pagerfanta(new ArrayAdapter(iterator_to_array($this->getDrivers())));
    }

    private function getDrivers(): iterable
    {
        // ...
    }
}
```

```
namespace App\Grid\Provider;

use Pagerfanta\Adapter\ArrayAdapter;
use Pagerfanta\Pagerfanta;
use Pagerfanta\PagerfantaInterface;
use Sylius\Component\Grid\Data\DataProviderInterface;
use Sylius\Component\Grid\Definition\Grid;
use Sylius\Component\Grid\Parameters;
use Symfony\Contracts\HttpClient\HttpClientInterface;

final readonly class DriverGridProvider implements DataProviderInterface
{
    public function __construct(
        private HttpClientInterface $openF1Client,
    ) {}

    public function getData(Grid $grid, Parameters $parameters): PagerFantaInterface
    {
        return new Pagerfanta(new ArrayAdapter(iterator_to_array($this->getDrivers())));
    }

    private function getDrivers(): iterable
    {
        // ...
    }
}
```

```
namespace App\Grid\Provider;

use Pagerfanta\Adapter\ArrayAdapter;
use Pagerfanta\Pagerfanta;
use Pagerfanta\PagerfantaInterface;
use Sylius\Component\Grid\Data\DataProviderInterface;
use Sylius\Component\Grid\Definition\Grid;
use Sylius\Component\Grid\Parameters;
use Symfony\Contracts\HttpClient\HttpClientInterface;

final readonly class DriverGridProvider implements DataProviderInterface
{
    public function __construct(
        private HttpClientInterface $openF1Client,
    ) {}

    public function getData(Grid $grid, Parameters $parameters): PagerFantaInterface
    {
        return new Pagerfanta(new ArrayAdapter(iterator_to_array($this->getDrivers())));
    }

    private function getDrivers(): iterable
    {
        // ...
    }
}
```

```
namespace App\Grid\Provider;

use Pagerfanta\Adapter\ArrayAdapter;
use Pagerfanta\Pagerfanta;
use Pagerfanta\PagerfantaInterface;
use Sylius\Component\Grid\Data\DataProviderInterface;
use Sylius\Component\Grid\Definition\Grid;
use Sylius\Component\Grid\Parameters;
use Symfony\Contracts\HttpClient\HttpClientInterface;

final readonly class DriverGridProvider implements DataProviderInterface
{
    public function __construct(
        private HttpClientInterface $openF1Client
    ) {}

    // ...

    private function getDrivers(): iterable
    {
        // ...
    }
}
```

```
use Sylius\Component\Grid\Data\DataProviderInterface;
use Symfony\Contracts\HttpClient\HttpClientInterface;

final readonly class DriverGridProvider implements DataProviderInterface
{
    // ...

    private function getDrivers(): iterable
    {
        $responseData = $this->openF1Client->request('GET', '/v1/drivers?session_key=9158')->toArray();

        foreach ($responseData as $row) {
            yield new DriverResource(
                number: $row['driver_number'],
                firstName: $row['first_name'],
                lastName: $row['last_name'],
                countryCode: $row['country_code'],
                teamName: $row['team_name'],
                image: $row['headshot_url'],
            );
        }
    }
}
```



Show 10 ▾

IMAGE	NUMBER	FIRSTNAME	LASTNAME	COUNTRYCODE	TEAM
	1	Max	Verstappen	NED	Red Bull Racing
	2	Logan	Sargeant	USA	Williams
	4	Lando	Norris	GBR	McLaren
	10	Pierre	Gasly	FRA	Alpine
	11	Sergio	Perez	MEX	Red Bull Racing
	14	Fernando	Alonso	ESP	Aston Martin
	16	Charles	Leclerc	MON	Ferrari
	18	Lance	Stroll	CAN	Aston Martin
	20	Kevin	Magnussen	DEN	Haas F1 Team
	22	Yuki	Tsunoda	JPN	AlphaTauri

Practice 2:  The brand new #[AsGrid] attribute

# Resource class & provider arguments

```
use App\Entity\Meeting;
use Sylius\Bundle\GridBundle\Grid\AbstractGrid;

#[AsGrid(
    provider: MeetingGridProvider::class,
    resourceClass: Meeting::class, // any PHP object, including a Sylius resource
)]
final class MeetingGrid extends AbstractGrid
{
    public function __invoke(
        GridBuilderInterface $gridBuilder,
    ): void
    {
        // ...
    }
}
```

# Resource class & provider arguments

```
use App\Entity\Meeting;
use Sylius\Bundle\GridBundle\Grid\AbstractGrid;

#[AsGrid(
    provider: MeetingGridProvider::class,
    resourceClass: Meeting::class, // any PHP object, including a Sylius resource
)]
final class MeetingGrid extends AbstractGrid
{
    public function __invoke(
        GridBuilderInterface $gridBuilder,
    ): void
        // ...
    }
}
```

# Resource class & provider arguments

```
use App\Entity\Meeting;
use Sylius\Bundle\GridBundle\Grid\AbstractGrid;

#[AsGrid(
    provider: MeetingGridProvider::class,
    resourceClass: Meeting::class, // any PHP object, including a Sylius resource
)]
final class MeetingGrid extends AbstractGrid
{
    public function __invoke(
        GridBuilderInterface $gridBuilder,
    ): void
        // ...
    }
}
```

# Resource class & provider arguments

```
use App\Entity\Meeting;
use Sylius\Bundle\GridBundle\Grid\AbstractGrid;

#[AsGrid(
    provider: MeetingGridProvider::class,
    resourceClass: Meeting::class, // any PHP object, including a Sylius resource
)]
final class MeetingGrid extends AbstractGrid
{
    public function __invoke(
        GridBuilderInterface $gridBuilder,
    ): void
    {
        // ...
    }
}
```

# Resource class & provider arguments

```
use App\Entity\Meeting;
use Sylius\Bundle\GridBundle\Grid\AbstractGrid;

#[AsGrid(
    provider: MeetingGridProvider::class,
    resourceClass: Meeting::class, // any PHP object, including a Sylius resource
)]
final class MeetingGrid extends AbstractGrid
{
    public function __invoke(
        GridBuilderInterface $gridBuilder,
    ): void
    {
        // ...
    }
}
```

# build method and name arguments

```
use Sylius\Bundle\GridBundle\Grid\AbstractGrid;

#[AsGrid(
    buildMethod: 'customBuildMethod',
    name: 'meeting', // optional - FQCN by default
    // ...
)]
final class MeetingGrid extends AbstractGrid
{
    public function customBuildMethod(
        GridBuilderInterface $gridBuilder,
    ): void
    {
        // ...
    }
}
```

# build method and name arguments

```
use Sylius\Bundle\GridBundle\Grid\AbstractGrid;

#[AsGrid(
    buildMethod: 'customBuildMethod',
    name: 'meeting', // optional - FQCN by default
    // ...
)]
final class MeetingGrid extends AbstractGrid
{
    public function customBuildMethod(
        GridBuilderInterface $gridBuilder,
    ): void
    {
        // ...
    }
}
```

# build method and name arguments

```
use Sylius\Bundle\GridBundle\Grid\AbstractGrid;

#[AsGrid(
    buildMethod: 'customBuildMethod',
    name: 'meeting', // optional - FQCN by default
    // ...
)]
final class MeetingGrid extends AbstractGrid
{
    public function customBuildMethod(
        GridBuilderInterface $gridBuilder,
    ): void
    {
        // ...
    }
}
```

# build method and name arguments

```
use Sylius\Bundle\GridBundle\Grid\AbstractGrid;

#[AsGrid(
    buildMethod: 'customBuildMethod',
    name: 'meeting', // optional - FQCN by default
    // ...
)]
final class MeetingGrid extends AbstractGrid
{
    public function customBuildMethod(
        GridBuilderInterface $gridBuilder,
    ): void
    {
        // ...
    }
}
```

[#AsGrid]

## [#AsGrid]

- `_invoke()` instead of `buildGrid()` - but `buildGrid` still supported by default if no `_invoke()`

## [#AsGrid]

- **\_invoke()** instead of `buildGrid()` - but `buildGrid` still supported by default if no `_invoke()`
- **buildMethod** argument to declare custom build method

## [#AsGrid]

- **\_invoke()** instead of `buildGrid()` - but `buildGrid` still supported by default if no `_invoke()`
- **buildMethod** argument to declare custom build method
- **provider** argument instead of `->setProvider()`

## [#AsGrid]

- **\_invoke()** instead of `buildGrid()` - but `buildGrid` still supported by default if no `_invoke()`
- **buildMethod** argument to declare custom build method
- **provider** argument instead of `->setProvider()`
- **resourceClass** argument instead of `getResourceClass()`

## [#AsGrid]

- **\_invoke()** instead of `buildGrid()` - but `buildGrid` still supported by default if no `_invoke()`
- **buildMethod** argument to declare custom build method
- **provider** argument instead of `->setProvider()`
- **resourceClass** argument instead of `getResourceClass()`
- **name** argument (FQCN by default) instead of `getName()`



Emirates FLY BETTER

150

## Practice 3 : Filter for specific drivers

using the brand new #[AsFilter] attribute

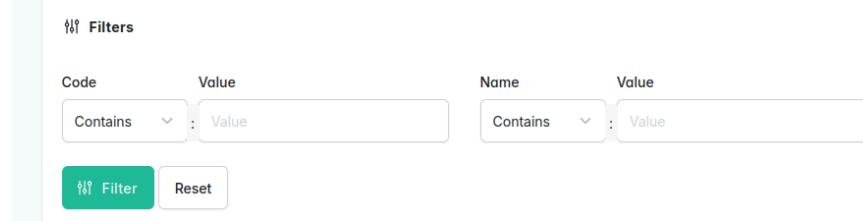
Filter types:

## String filter example

Filters

Code	Value	Name	Value
Contains	:	Contains	:
Value		Value	

**Filter** **Reset**



Filter types:

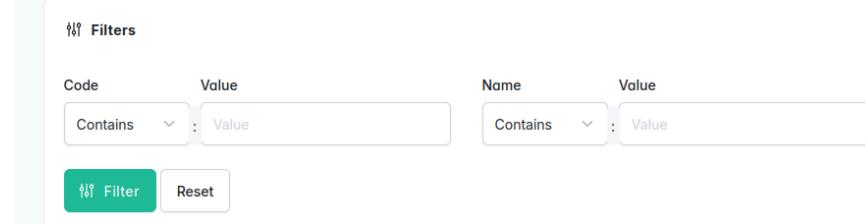
- String

## String filter example

Filters

Code	Value	Name	Value
Contains	:	Contains	:
Value		Value	

**Filter** **Reset**



Filter types:

- String
- Boolean

## String filter example

The screenshot shows a user interface for applying filters. At the top, there is a title "String filter example". Below it, the word "Filters" is displayed next to a magnifying glass icon. There are two main filter sections. The first section is labeled "Code" and "Value", containing a dropdown menu set to "Contains" and a text input field with the placeholder "Value". The second section is labeled "Name" and "Value", also containing a dropdown menu set to "Contains" and a text input field with the placeholder "Value". At the bottom of the filter area are two buttons: a green "Filter" button with a magnifying glass icon and a white "Reset" button.

Filter types:

- String
- Boolean
- Date

## String filter example

The screenshot shows a user interface for applying filters. At the top, there is a header labeled "Filters". Below the header, there are two sets of filter fields. Each set consists of a "Code" field and a "Value" field. In the first set, the "Code" field contains "Contains" and the "Value" field contains "Value". In the second set, the "Code" field also contains "Contains" and the "Value" field contains "Value". At the bottom of the filter area, there are two buttons: a green "Filter" button and a white "Reset" button.

Filter types:

- String
- Boolean
- Date
- Entity

## String filter example

The screenshot shows a user interface for applying filters. At the top, there is a header labeled "Filters". Below the header, there are two sets of filter fields. Each set consists of a "Code" field and a "Value" field. In the first set, the "Code" field contains "Contains" and the "Value" field contains "Value". In the second set, the "Code" field contains "Contains" and the "Value" field also contains "Value". At the bottom of the filter area, there are two buttons: a green "Filter" button and a white "Reset" button.

Filter types:

- String
- Boolean
- Date
- Entity
- Money

## String filter example

The screenshot shows a user interface for applying filters. It features two main sections: 'Code' and 'Name'. Each section has a dropdown menu set to 'Contains' and a text input field containing the value 'Value'. Below these fields are two buttons: a green 'Filter' button and a white 'Reset' button.

Code	Value	Name	Value
Contains	: Value	Contains	: Value

**Code** **Name**

Contains : Value Contains : Value

**Filter** **Reset**

Filter types:

- String
- Boolean
- Date
- Entity
- Money
- Exists

## String filter example

The screenshot shows a user interface for applying filters. At the top, there is a header labeled "Filters". Below the header, there are two filter sections. The first section is for "Code" and the second is for "Name". Each section has a dropdown menu set to "Contains" and a text input field containing the value "Value". Below these sections are two buttons: a green "Filter" button and a white "Reset" button.

Code	Value	Name	Value
Contains	: Value	Contains	: Value

**Code**      **Name**

Contains : Value      Contains : Value

**Filter**      **Reset**

Filter types:

- String
- Boolean
- Date
- Entity
- Money
- Exists
- Select

## String filter example

The screenshot shows a 'Filters' section with two rows of filter fields. The first row has a 'Code' column with a dropdown menu set to 'Contains' and a 'Value' input field containing 'Value'. The second row has a 'Name' column with a dropdown menu set to 'Contains' and a 'Value' input field containing 'Value'. Below each row is a green 'Filter' button and a grey 'Reset' button.

Code	Value	Name	Value
Contains	: Value	Contains	: Value

**Filter** **Reset**

Filter types:

- String
- Boolean
- Date
- Entity
- Money
- Exists
- Select
- **Custom**

## String filter example

The screenshot shows a user interface for applying filters. At the top, there is a header labeled "Filters". Below it, there are two rows of filter fields.

Code	Value	Name	Value
Contains	:	Contains	:
Value		Value	

Below the filter rows are two buttons: a green "Filter" button and a white "Reset" button.

# #[AsFilter]

```
namespace App\Grid\Filter;

use Sylius\Component\Grid\Attribute\AsFilter;
use Sylius\Component\Grid\Data\DataSourceInterface;
use Sylius\Component\Grid\Filtering\FilterInterface;
use Symfony\Component\Form\Extension\Core\Type\CountryType;

#[AsFilter(
    formType: CountryType::class, // Symfony Form Type to use
    template: '@SyliusBootstrapAdminUi/shared/grid/filter/select.html.twig', // The Twig template
)]
final class CountryFilter implements FilterInterface
{
    public function apply(DataSourceInterface $dataSource, string $name, $data, array $options): void
    {
        // We handle the filtering part in the DriverGridProvider
    }
}
```

# #[AsFilter]

```
namespace App\Grid\Filter;

use Sylius\Component\Grid\Attribute\AsFilter;
use Sylius\Component\Grid\Data\DataSourceInterface;
use Sylius\Component\Grid\Filtering\FilterInterface;
use Symfony\Component\Form\Extension\Core\Type\CountryType;

#[AsFilter(
    formType: CountryType::class, // Symfony Form Type to use
    template: '@SyliusBootstrapAdminUi/shared/grid/filter/select.html.twig', // The Twig template
)]
final class CountryFilter implements FilterInterface
{
    public function apply(DataSourceInterface $dataSource, string $name, $data, array $options): void
    {
        // We handle the filtering part in the DriverGridProvider
    }
}
```

# #[AsFilter]

```
namespace App\Grid\Filter;

use Sylius\Component\Grid\Attribute\AsFilter;
use Sylius\Component\Grid\Data\DataSourceInterface;
use Sylius\Component\Grid\Filtering\FilterInterface;
use Symfony\Component\Form\Extension\Core\Type\CountryType;

#[AsFilter(
    formType: CountryType::class, // Symfony Form Type to use
    template: '@SyliusBootstrapAdminUi/shared/grid/filter/select.html.twig', // The Twig template
)]
final class CountryFilter implements FilterInterface
{
    public function apply(DataSourceInterface $dataSource, string $name, $data, array $options): void
    {
        // We handle the filtering part in the DriverGridProvider
    }
}
```

# #[AsFilter]

```
namespace App\Grid\Filter;

use Sylius\Component\Grid\Attribute\AsFilter;
use Sylius\Component\Grid\Data\DataSourceInterface;
use Sylius\Component\Grid\Filtering\FilterInterface;
use Symfony\Component\Form\Extension\Core\Type\CountryType;

#[AsFilter(
    formType: CountryType::class, // Symfony Form Type to use
    template: '@SyliusBootstrapAdminUi/shared/grid/filter/select.html.twig', // The Twig template
)]
final class CountryFilter implements FilterInterface
{
    public function apply(DataSourceInterface $dataSource, string $name, $data, array $options): void
    {
        // We handle the filtering part in the DriverGridProvider
    }
}
```

# #[AsFilter]

```
namespace App\Grid\Filter;

use Sylius\Component\Grid\Attribute\AsFilter;
use Sylius\Component\Grid\Data\DataSourceInterface;
use Sylius\Component\Grid\Filtering\FilterInterface;
use Symfony\Component\Form\Extension\Core\Type\CountryType;

#[AsFilter(
    formType: CountryType::class, // Symfony Form Type to use
    template: '@SyliusBootstrapAdminUi/shared/grid/filter/select.html.twig', // The Twig template
)]
final class CountryFilter implements FilterInterface
{
    public function apply(DataSourceInterface $dataSource, string $name, $data, array $options): void
    {
        // We handle the filtering part in the DriverGridProvider
    }
}
```

# #[AsFilter]

```
namespace App\Grid\Filter;

use Sylius\Component\Grid\Attribute\AsFilter;
use Sylius\Component\Grid\Data\DataSourceInterface;
use Sylius\Component\Grid\Filtering\FilterInterface;
use Symfony\Component\Form\Extension\Core\Type\CountryType;

#[AsFilter(
    formType: CountryType::class, // Symfony Form Type to use
    template: '@SyliusBootstrapAdminUi/shared/grid/filter/select.html.twig', // The Twig template
)]
final class CountryFilter implements FilterInterface
{
    public function apply(DataSourceInterface $dataSource, string $name, $data, array $options): void
    {
        // We handle the filtering part in the DriverGridProvider
    }
}
```

# Insert the filter into our Grid

```
#[AsGrid]
final class DriverGrid extends AbstractGrid
{
    public function buildGrid(GridBuilderInterface $gridBuilder): void
    {
        $gridBuilder
            ->addFilter(
                Filter::create('country', CountryFilter::class)
                    ->setFormOptions([
                        'alpha3' => true,
                        'autocomplete' => true,
                    ])
                    ->setLabel('app.ui.country')
            )
            // ...
    }
}
```

# Insert the filter into our Grid

```
#[AsGrid]
final class DriverGrid extends AbstractGrid
{
    public function buildGrid(GridBuilderInterface $gridBuilder): void
    {
        $gridBuilder
            ->addFilter(
                Filter::create('country', CountryFilter::class)
                    ->setFormOptions([
                        'alpha3' => true,
                        'autocomplete' => true,
                    ])
                    ->setLabel('app.ui.country')
            )
            // ...
    }
}
```

# Insert the filter into our Grid

```
#[AsGrid]
final class DriverGrid extends AbstractGrid
{
    public function buildGrid(GridBuilderInterface $gridBuilder): void
    {
        $gridBuilder
            ->addFilter(
                Filter::create('country', CountryFilter::class)
                    ->setFormOptions([
                        'alpha3' => true,
                        'autocomplete' => true,
                    ])
                    ->setLabel('app.ui.country')
            )
            // ...
    }
}
```

# Insert the filter into our Grid

```
#[AsGrid]
final class DriverGrid extends AbstractGrid
{
    public function buildGrid(GridBuilderInterface $gridBuilder): void
    {
        $gridBuilder
            ->addFilter(
                Filter::create('country', CountryFilter::class)
                    ->setFormOptions([
                        'alpha3' => true,
                        'autocomplete' => true,
                    ])
                    ->setLabel('app.ui.country')
            )
            // ...
    }
}
```

# Actual filtering logic inside the provider

```
final readonly class DriverApiGridProvider implements DataProviderInterface
{
    // ...

    private function getDrivers(array $criteria): iterable
    {
        $query = ['session_key' => 9158];

        if (!empty($criteria['country'] ?? null)) {
            $query['country_code'] = $criteria['country'];
        }

        $responseData = $this->openF1Client
            ->request(method: 'GET', url: '/v1/drivers', options: ['query' => $query])
            ->toArray()
        ;

        foreach ($responseData as $row) {
            yield new DriverResource(
                number: $row['driver_number'],
                // ...
            );
        }
    }
}
```

# Actual filtering logic inside the provider

```
final readonly class DriverApiGridProvider implements DataProviderInterface
{
    // ...

    private function getDrivers(array $criteria): iterable
    {
        $query = ['session_key' => 9158];

        if (!empty($criteria['country'] ?? null)) {
            $query['country_code'] = $criteria['country'];
        }

        $responseData = $this->openF1Client
            ->request(method: 'GET', url: '/v1/drivers', options: ['query' => $query])
            ->toArray()
            ;

        foreach ($responseData as $row) {
            yield new DriverResource(
                number: $row['driver_number'],
                // ...
            );
        }
    }
}
```

# Actual filtering logic inside the provider

```
final readonly class DriverApiGridProvider implements DataProviderInterface
{
    // ...

    private function getDrivers(array $criteria): iterable
    {
        $query = ['session_key' => 9158];

        if (!empty($criteria['country'] ?? null)) {
            $query['country_code'] = $criteria['country'];
        }

        $responseData = $this->openF1Client
            ->request(method: 'GET', url: '/v1/drivers', options: ['query' => $query])
            ->toArray()
            ;

        foreach ($responseData as $row) {
            yield new DriverResource(
                number: $row['driver_number'],
                // ...
            );
        }
    }
}
```

# Actual filtering logic inside the provider

```
final readonly class DriverApiGridProvider implements DataProviderInterface
{
    // ...

    private function getDrivers(array $criteria): iterable
    {
        $query = ['session_key' => 9158];

        if (!empty($criteria['country'] ?? null)) {
            $query['country_code'] = $criteria['country'];
        }

        $responseData = $this->openF1Client
            ->request(method: 'GET', url: '/v1/drivers', options: ['query' => $query])
            ->toArray()
            ;

        foreach ($responseData as $row) {
            yield new DriverResource(
                number: $row['driver_number'],
                // ...
            );
        }
    }
}
```

# Actual filtering logic inside the provider

```
final readonly class DriverApiGridProvider implements DataProviderInterface
{
    // ...

    private function getDrivers(array $criteria): iterable
    {
        $query = ['session_key' => 9158];

        if (!empty($criteria['country'] ?? null)) {
            $query['country_code'] = $criteria['country'];
        }

        $responseData = $this->openF1Client
            ->request(method: 'GET', url: '/v1/drivers', options: ['query' => $query])
            ->toArray()
        ;

        foreach ($responseData as $row) {
            yield new DriverResource(
                number: $row['driver_number'],
                // ...
            );
        }
    }
}
```

Search menu...[Dashboard](#)[Formula One](#)[Drivers](#)

Dashboard / Drivers

## Drivers

### Filters

#### Country

fr

- France
- French Guiana
- French Polynesia
- French Southern Territories
- South Africa
- Central African Republic

IMAGE	NUMBER	FIRSTNAME	LASTNAME	COUNTRYCODE	TEAMNAME
	1	Max	Verstappen	NED	Red Bull Racing
	2	Logan	Sargeant	USA	Williams
	4	Lando	Norris	GBR	McLaren
	10	Pierre	Gasly	FRA	Alpine
	11	Sergio	Perez	MEX	Red Bull Racing
	14	Fernando	Alonso	ESP	Aston Martin
	16	Charles	Leclerc	MON	Ferrari
	18	Lance	Stroll	CAN	Aston Martin
	20	Kevin	Magnussen	DEN	Haas F1 Team

Search menu...[Dashboard](#)[Formula One](#)[Drivers](#)[Dashboard](#) / Drivers

## Drivers

### Filters

Country

France

FilterReset

Show 10 ▾

IMAGE	NUMBER	FIRSTNAME	LASTNAME	COUNTRYCODE	TEAMNAME
	10	Pierre	Gasly	FRA	Alpine
	31	Esteban	Ocon	FRA	Alpine

Showing 1 to 2 of 2 entries

&lt; Previous 1 Next &gt;

[#AsFilter]

## [#AsFilter]

- **formType** argument instead of getFormType()

## [#AsFilter]

- **formType** argument instead of getFormType()
- **template** argument instead of defining in config/packages/sylius\_grid.php

## [#AsFilter]

- **formType** argument instead of getFormType()
- **template** argument instead of defining in config/packages/sylius\_grid.php
- **type** argument for the name of your custom filter type (FQCN by default)

## Connect Grids together

Add a link to another grid with filtered data

Search menu...[Dashboard](#)[!\[\]\(d0092d65031526353873c18a211a673d\_img.jpg\) Formula One](#)[Drivers](#)[Team radios](#)[Sessions](#)[Dashboard](#) / [Team radios](#)

## Team radios

[Filters](#)[Show 10 ▾](#)

DRIVERNUMBER	DATE	ACTIONS
55	2023-09-15 09:32:51	
63	2023-09-15 09:34:32	
77	2023-09-15 09:35:06	
24	2023-09-15 09:36:47	
24	2023-09-15 09:38:27	
1	2023-09-15 09:39:02	
23	2023-09-15 09:39:37	
11	2023-09-15 09:40:43	
81	2023-09-15 09:44:39	
1	2023-09-15 09:45:45	

Showing 1 to 10 of 29 entries

< Previous [1](#) [2](#) [3](#) [Next >](#)

```
namespace App\Grid;

use Sylius\Bundle\GridBundle\Builder\Filter\StringFilter;
use Sylius\Bundle\GridBundle\Builder\GridBuilderInterface;
use Sylius\Bundle\GridBundle\Grid\AbstractGrid;
use Sylius\Component\Grid\Attribute\AsGrid;

#[AsGrid]
final class TeamRadioGrid extends AbstractGrid
{
    public function buildGrid(GridBuilderInterface $gridBuilder): void
    {
        $gridBuilder
            // ...
            ->addFilter(
                StringFilter::create(name: 'driver_number', type: 'equal')
                    ->setLabel('app.ui.driver_number')
            )
            // ...
    }
}
```

```
namespace App\Grid;

use Sylius\Bundle\GridBundle\Builder\Filter\StringFilter;
use Sylius\Bundle\GridBundle\Builder\GridBuilderInterface;
use Sylius\Bundle\GridBundle\Grid\AbstractGrid;
use Sylius\Component\Grid\Attribute\AsGrid;

#[AsGrid]
final class TeamRadioGrid extends AbstractGrid
{
    public function buildGrid(GridBuilderInterface $gridBuilder): void
    {
        $gridBuilder
            // ...
            ->addFilter(
                StringFilter::create(name: 'driver_number', type: 'equal')
                    ->setLabel('app.ui.driver_number')
            )
            // ...
    }
}
```

```
namespace App\Grid;

use Sylius\Bundle\GridBundle\Builder\Filter\StringFilter;
use Sylius\Bundle\GridBundle\Builder\GridBuilderInterface;
use Sylius\Bundle\GridBundle\Grid\AbstractGrid;
use Sylius\Component\Grid\Attribute\AsGrid;

#[AsGrid]
final class TeamRadioGrid extends AbstractGrid
{
    public function buildGrid(GridBuilderInterface $gridBuilder): void
    {
        $gridBuilder
            // ...
            ->addFilter(
                StringFilter::create(name: 'driver_number', type: 'equal')
                    ->setLabel('app.ui.driver_number')
            )
            // ...
    }
}
```

```
use Sylius\Bundle\GridBundle\Builder\Action\Action;
use Sylius\Bundle\GridBundle\Builder\ActionGroup\ItemActionGroup;

#[AsGrid]
final class DriverGrid extends AbstractGrid
{
    public function buildGrid(GridBuilderInterface $gridBuilder): void
    {
        $gridBuilder
            ->addActionGroup(
                ItemActionGroup::create(
                    Action::create('team_radios', 'show')
                        ->setOptions([
                            'link' => [
                                'route' => 'app_admin_team_radio_index',
                                'parameters' => [
                                    'criteria' => [
                                        'driver_number' => [
                                            'value' => 'resource.number', // driverResource->number
                                        ],
                                    ],
                                ],
                            ],
                        ],
                    ]
                )
            ->setLabel('app.ui.show_team_radios')
            ->setIcon('tabler:radio'),
    }
}
```

```
use Sylius\Bundle\GridBundle\Builder\Action\Action;
use Sylius\Bundle\GridBundle\Builder\ActionGroup\ItemActionGroup;

#[AsGrid]
final class DriverGrid extends AbstractGrid
{
    public function buildGrid(GridBuilderInterface $gridBuilder): void
    {
        $gridBuilder
            ->addActionGroup(
                ItemActionGroup::create(
                    Action::create('team_radios', 'show')
                        ->setOptions([
                            'link' => [
                                'route' => 'app_admin_team_radio_index',
                                'parameters' => [
                                    'criteria' => [
                                        'driver_number' => [
                                            'value' => 'resource.number', // driverResource->number
                                        ],
                                    ],
                                ],
                            ],
                        ],
                    )
                )
            ->setLabel('app.ui.show_team_radios')
            ->setIcon('tabler:radio'),
    }
}
```

```
use Sylius\Bundle\GridBundle\Builder\Action\Action;
use Sylius\Bundle\GridBundle\Builder\ActionGroup\ItemActionGroup;

#[AsGrid]
final class DriverGrid extends AbstractGrid
{
    public function buildGrid(GridBuilderInterface $gridBuilder): void
    {
        $gridBuilder
            ->addActionGroup(
                ItemActionGroup::create(
                    Action::create('team_radios', 'show')
                        ->setOptions([
                            'link' => [
                                'route' => 'app_admin_team_radio_index',
                                'parameters' => [
                                    'criteria' => [
                                        'driver_number' => [
                                            'value' => 'resource.number', // driverResource->number
                                        ],
                                    ],
                                ],
                            ],
                        ],
                    )
                )
            ->setLabel('app.ui.show_team_radios')
            ->setIcon('tabler:radio'),
    }
}
```

```
use Sylius\Bundle\GridBundle\Builder\Action\Action;
use Sylius\Bundle\GridBundle\Builder\ActionGroup\ItemActionGroup;

#[AsGrid]
final class DriverGrid extends AbstractGrid
{
    public function buildGrid(GridBuilderInterface $gridBuilder): void
    {
        $gridBuilder
            ->addActionGroup(
                ItemActionGroup::create(
                    Action::create('team_radios', 'show')
                        ->setOptions([
                            'link' => [
                                'route' => 'app_admin_team_radio_index',
                                'parameters' => [
                                    'criteria' => [
                                        'driver_number' => [
                                            'value' => 'resource.number', // driverResource->number
                                        ],
                                    ],
                                ],
                            ],
                        ],
                )
            ->setLabel('app.ui.show_team_radios')
            ->setIcon('tabler:radio'),
        )
    }
}
```

Search menu...

[Dashboard](#)[Formula One](#)[Drivers](#)[Team radios](#)[Sessions](#)

Dashboard / Drivers

 Drivers

Filters

Show 10 ▾

IMAGE	NUMBER	FIRSTNAME	LASTNAME	COUNTRYCODE	TEAMNAME	ACTIONS
	1	Max	Verstappen	NED	Red Bull Racing	
	2	Logan	Sargeant	USA	Williams	
	4	Lando	Norris	GBR	McLaren	
	10	Pierre	Gasly	FRA	Alpine	
	11	Sergio	Perez	MEX	Red Bull Racing	
	14	Fernando	Alonso	ESP	Aston Martin	
	16	Charles	Leclerc	MON	Ferrari	
	18	Lance	Stroll	CAN	Aston Martin	
	20	Kevin	Magnussen	DEN	Haas F1 Team	

Search menu...

[Dashboard](#)[Formula One](#)[Drivers](#)[Team radios](#)[Sessions](#)

Dashboard / Drivers

 Drivers

Filters

Show 10 ▾

IMAGE	NUMBER	FIRSTNAME	LASTNAME	COUNTRYCODE	TEAMNAME	ACTIONS
	1	Max	Verstappen	NED	Red Bull Racing	
	2	Logan	Sargeant	USA	Williams	
	4	Lando	Norris	GBR	McLaren	
	10	Pierre	Gasly	FRA	Alpine	
	11	Sergio	Perez	MEX	Red Bull Racing	
	14	Fernando	Alonso	ESP	Aston Martin	
	16	Charles	Leclerc	MON	Ferrari	
	18	Lance	Stroll	CAN	Aston Martin	
	20	Kevin	Magnussen	DEN	Haas F1 Team	

Search menu...[Dashboard](#) [Formula One](#)[Drivers](#)[Team radios](#)[Sessions](#)[Dashboard](#) / [Team radios](#)

## Team radios

 [Filters](#)

Driver number

1

[Filter](#)[Reset](#)[Show 10 ▾](#)

DRIVERNUMBER	DATE	ACTIONS
1	2023-09-15 09:39:02	
1	2023-09-15 09:45:45	
1	2023-09-15 10:04:14	

Showing 1 to 3 of 3 entries

< Previous 1 Next >

Push, Push, Push!





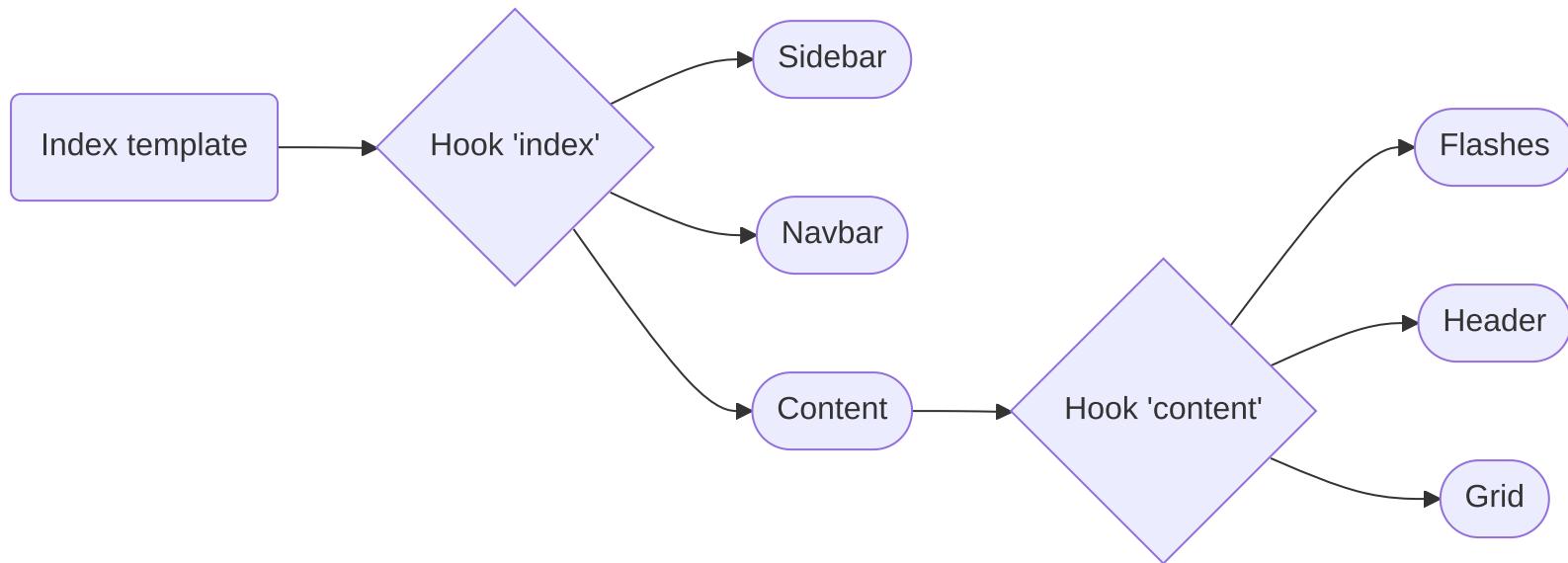
# New Live Component Grid

it's alive...



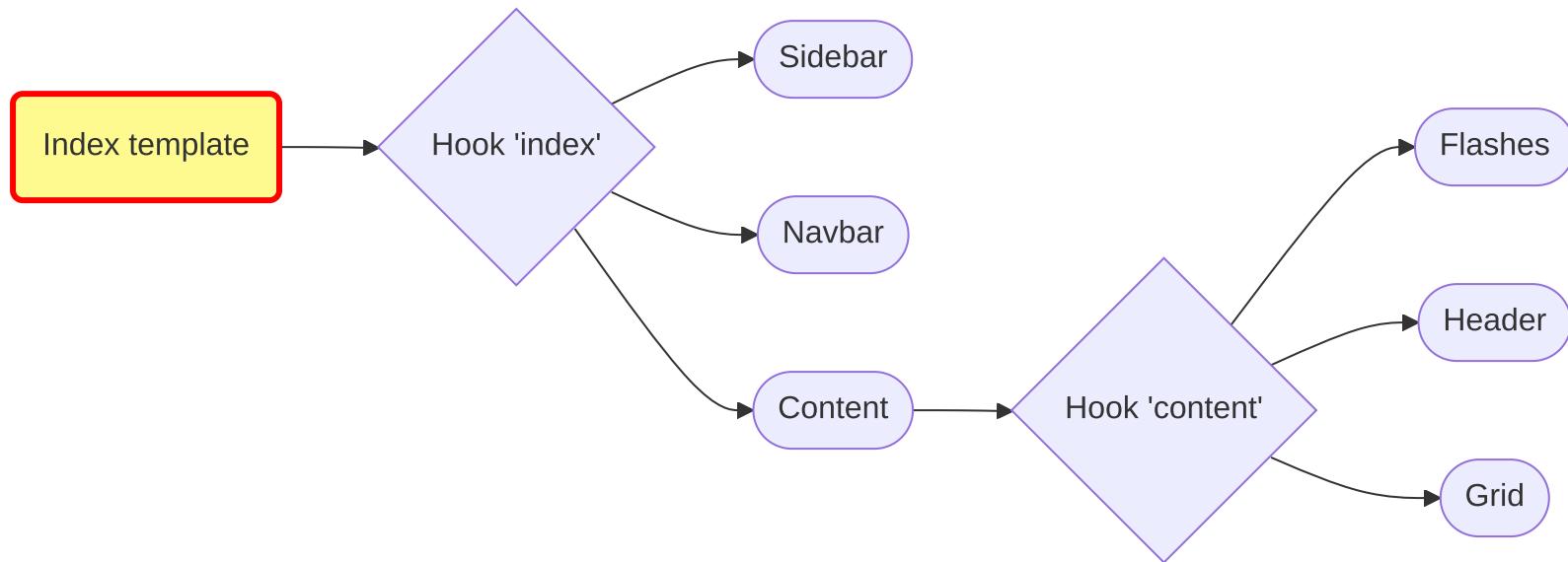
# Twig hooks overview

index operation



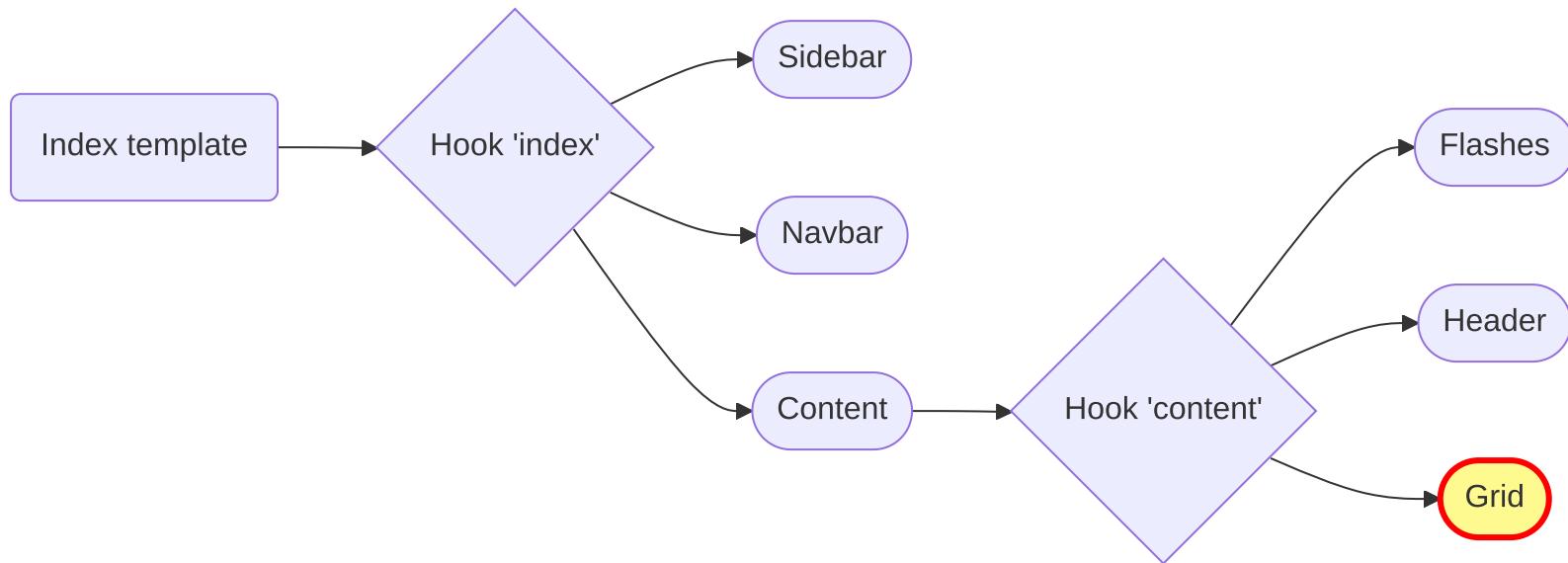
# Twig hooks overview

index operation



# Twig hooks overview

index operation



# Twig hooks overview

## index operation

```
L (Template) [↑ 0, ◎ 0 ms] content (@SyliusBootstrapAdminUi/shared/crud/common/content.html.twig)
  L (Hook) sylius_admin.driver.index.content, sylius_admin.common.index.content
    L (Template) [↑ 0, ◎ 1 ms] flashes (@SyliusBootstrapAdminUi/shared/crud/common/content/flashes.html.twig)
    L (Template) [↑ 0, ◎ 0 ms] header (@SyliusBootstrapAdminUi/shared/crud/common/content/header.html.twig)
      | L (Hook) sylius_admin.driver.index.content.header, sylius_admin.common.index.content.header
      |   L (Template) [↑ 0, ◎ 1 ms] breadcrumbs (@SyliusBootstrapAdminUi/shared/crud/index/content/header/breadcrumbs.html.twig)
      |   L (Template) [↑ 0, ◎ 0 ms] title_block (@SyliusBootstrapAdminUi/shared/crud/common/content/header/title_block.html.twig)
      |     L (Hook) sylius_admin.driver.index.content.header.title_block, sylius_admin.common.index.content.header.title_block
      |       L (Template) [↑ 0, ◎ 11 ms] title (@SyliusBootstrapAdminUi/shared/crud/common/content/header/title_block/title.html.twig)
      |       L (Template) [↑ 0, ◎ 1 ms] actions (@SyliusBootstrapAdminUi/shared/crud/common/content/header/title_block/actions.html.twig)
    L (Template) [↑ 0, ◎ 0 ms] grid (shared/crud/index/content/grid.html.twig)
      L (Hook) sylius_admin.driver.index.content.grid, sylius_admin.common.index.content.grid
        L (Template) [↑ 0, ◎ 1 ms] filters (@SyliusBootstrapAdminUi/shared/crud/index/content/grid/filters.html.twig)
        L (Template) [↑ 0, ◎ 39 ms] data_table (@SyliusBootstrapAdminUi/shared/crud/index/content/grid/data_table.html.twig) (highlighted)
      L (Template) [↑ 0, ◎ 0 ms] no_data_block (@SyliusBootstrapAdminUi/shared/crud/index/content/grid/no_results.html.twig)
```

# Twig hooks updated

## index operation

```
L (Template) [↑ 0, ◎ 0 ms] content (@SyliusBootstrapAdminUi/shared/crud/common/content.html.twig)
  L (Hook) sylius_admin.driver.index.content, sylius_admin.common.index.content
    L (Template) [↑ 0, ◎ 0 ms] flashes (@SyliusBootstrapAdminUi/shared/crud/common/content/flashes.html.twig)
    L (Template) [↑ 0, ◎ 0 ms] header (@SyliusBootstrapAdminUi/shared/crud/common/content/header.html.twig)
      | L (Hook) sylius_admin.driver.index.content.header, sylius_admin.common.index.content.header
      |   L (Template) [↑ 0, ◎ 0 ms] breadcrumbs (@SyliusBootstrapAdminUi/shared/crud/index/content/header/breadcrumbs.html.twig)
      |   L (Template) [↑ 0, ◎ 0 ms] title_block (@SyliusBootstrapAdminUi/shared/crud/common/content/header/title_block.html.twig)
      |     L (Hook) sylius_admin.driver.index.content.header.title_block, sylius_admin.common.index.content.header.title_block
      |       L (Template) [↑ 0, ◎ 4 ms] title (@SyliusBootstrapAdminUi/shared/crud/common/content/header/title_block/title.html.twig)
      |       L (Template) [↑ 0, ◎ 0 ms] actions (@SyliusBootstrapAdminUi/shared/crud/common/content/header/title_block/actions.html.twig)
    L (Template) [↑ 0, ◎ 0 ms] grid (shared/crud/index/content/grid.html.twig)
      L (Hook) sylius_admin.driver.index.content.grid, sylius_admin.common.index.content.grid
        L (Template) [↑ 0, ◎ 0 ms] filters (@SyliusBootstrapAdminUi/shared/crud/index/content/grid/filters.html.twig)
        (Component) [↑ 0, ◎ 99 ms] data_table (sylius_grid_data_table)
      L (Template) [↑ 0, ◎ 0 ms] no_data_block (@SyliusBootstrapAdminUi/shared/crud/index/content/grid/no_results.html.twig)
```

## Overview of the new DataTableComponent

```
#[AsLiveComponent(name: 'sylius_grid_data_table')]
final class DataTableComponent
{
    #[LiveProp(writable: true)]
    public string|null $grid = null;

    #[LiveProp(writable: true)]
    public int $page = 1;

    #[LiveProp(writable: true)]
    public array|null $criteria = null;

    #[LiveProp(writable: true)]
    public array|null $sorting = null;

    #[LiveProp(writable: true)]
    public int|null $limit = null;
}
```

## Transform your grid into a Live Component

```
sylius twig_hooks:
hooks:
'sylius_admin.book.index.content.grid':
    data_table:
        component: 'sylius_grid_data_table'
        props:
            grid: '@=_context.grid'
            page: '@=_context.page'
            criteria: '@=_context.criteria'
            sorting: '@=_context.sorting'
            limit: '@=_context.limit'
```

## Overview of the new DataTableComponent

```
#[AsLiveComponent(name: 'sylius_grid_data_table')]
final class DataTableComponent
{
    #[LiveProp(writable: true)]
    public string|null $grid = null;

    #[LiveProp(writable: true)]
    public int $page = 1;

    #[LiveProp(writable: true)]
    public array|null $criteria = null;

    #[LiveProp(writable: true)]
    public array|null $sorting = null;

    #[LiveProp(writable: true)]
    public int|null $limit = null;
}
```

## Transform your grid into a Live Component

```
sylius twig_hooks:
hooks:
'sylius_admin.book.index.content.grid':
    data_table:
        component: 'sylius_grid_data_table'
        props:
            grid: '@=_context.grid'
            page: '@=_context.page'
            criteria: '@=_context.criteria'
            sorting: '@=_context.sorting'
            limit: '@=_context.limit'
```

## Overview of the new DataTableComponent

```
#[AsLiveComponent(name: 'sylius_grid_data_table')]
final class DataTableComponent
{
    #[LiveProp(writable: true)]
    public string|null $grid = null;

    #[LiveProp(writable: true)]
    public int $page = 1;

    #[LiveProp(writable: true)]
    public array|null $criteria = null;

    #[LiveProp(writable: true)]
    public array|null $sorting = null;

    #[LiveProp(writable: true)]
    public int|null $limit = null;
}
```

## Transform your grid into a Live Component

```
sylius twig_hooks:
hooks:
'sylius_admin.book.index.content.grid':
data_table:
component: 'sylius_grid_data_table'
props:
grid: '@=_context.grid'
page: '@=_context.page'
criteria: '@=_context.criteria'
sorting: '@=_context.sorting'
limit: '@=_context.limit'
```

## Overview of the new DataTableComponent

```
#[AsLiveComponent(name: 'sylius_grid_data_table')]
final class DataTableComponent
{
    #[LiveProp(writable: true)]
    public string|null $grid = null;

    #[LiveProp(writable: true)]
    public int $page = 1;

    #[LiveProp(writable: true)]
    public array|null $criteria = null;

    #[LiveProp(writable: true)]
    public array|null $sorting = null;

    #[LiveProp(writable: true)]
    public int|null $limit = null;
}
```

## Transform your grid into a Live Component

```
sylius twig_hooks:
hooks:
'sylius_admin.book.index.content.grid':
    data_table:
        component: 'sylius_grid_data_table'
        props:
            grid: '@=_context.grid'
            page: '@=_context.page'
            criteria: '@=_context.criteria'
            sorting: '@=_context.sorting'
            limit: '@=_context.limit'
```

▶ 0:00 / 0:09



# Use it in any template

Including your grid in a details page.

```
<!-- templates/session/show/body.html.twig -->
{{ component('sylius_grid_data_table', {
    grid: 'driver',
    criteria: {
        session: session.id,
    },
}) }}
```

# Use it in any template

Including your grid in a details page.

```
<!-- templates/session/show/body.html.twig -->
{{ component('sylius_grid_data_table', {
    grid: 'driver',
    criteria: {
        session: session.id,
    },
}) }}
```

# Use it in any template

Including your grid in a details page.

```
<!-- templates/session/show/body.html.twig -->
{{ component('sylius_grid_data_table', {
    grid: 'driver',
    criteria: {
        session: session.id,
    },
}) }}
```

▶ 0:00 / 0:06





0:00 / 0:32



```
#[AsLiveComponent]
final class SelectFilterComponent
{
    #[LiveProp(writable: true)]
    public array $initialCriteria;

    #[LiveProp(writable: true)]
    public string|null $selectedValue = null;

    public function __construct(
        private FormFactoryInterface $formFactory,
    ) {
    }

    {% form_theme form '@SyliusBootstrapAdminUi/shared/form_theme.html.twig' %}

    <div {{ attributes }}>
        {{ form_row(form, { label: filter.label, attr: {
            'data-action': 'change->live#action',
            'data-live-action-param': 'onValueChange', // on select change
            'data-model': 'norender|selectedValue', // selectedValue is the data model
        }}) }}
    </div>
}
```

# Quick practice before it's your time to shine!

Q1: Find the odd one out.

# Quick practice before it's your time to shine!

Q1: Find the odd one out.

- `#[AsFilter]`

# Quick practice before it's your time to shine!

Q1: Find the odd one out.

- `#[AsFilter]`
- `#[AsGrid]`

# Quick practice before it's your time to shine!

Q1: Find the odd one out.

- `#[AsFilter]`
- `#[AsGrid]`
- `#[AsProvider]`

# Quick practice before it's your time to shine!

Q1: Find the odd one out.

- `#[AsFilter]`
- `#[AsGrid]`
- `#[AsProvider]`
- `#[AsResource]`

# Quick practice before it's your time to shine!

Q1: Find the odd one out.

- `#[AsFilter]`
- `#[AsGrid]`
- `#[AsProvider]`
- `#[AsResource]`

Q2: The OpenF1 API does not include a **/teams** endpoint, but you would like to create a grid listing all teams. You've created this simple model... :

```
final readonly class Team
{
    public function __construct(
        public string $id,
        public string $name,
        public string|null $color = null,
    ) {
    }
}
```

Q2: What command could you run to generate the missing grid?

Q2: What command could you run to generate the missing grid?

- `symfony console create:grid 'App\Model\Team'`

Q2: What command could you run to generate the missing grid?

- `symfony console create:grid 'App\Model\Team'`
- `symfony console make:resource 'App\Model\Team'`

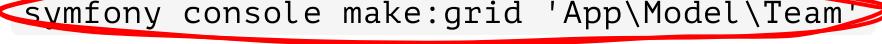
Q2: What command could you run to generate the missing grid?

- `symfony console create:grid 'App\Model\Team'`
- `symfony console make:resource 'App\Model\Team'`
- `symfony console make:grid 'App\Model\Team'`

Q2: What command could you run to generate the missing grid?

- `symfony console create:grid 'App\Model\Team'`
- `symfony console make:resource 'App\Model\Team'`
- `symfony console make:grid 'App\Model\Team'`
- `symfony console make:grid 'App\Resource\TeamResource'`

Q2: What command could you run to generate the missing grid?

- `symfony console create:grid 'App\Model\Team'`
- `symfony console make:resource 'App\Model\Team'`
- `symfony console make:grid 'App\Model\Team'` 
- `symfony console make:grid 'App\Resource\TeamResource'`

# symfony console make:grid 'App\Model\Team'

Dashboard / Teams

## Teams

Filters

▼

Show 10 ▾

NAME	COLOR	ACTIONS
Alfa Romeo	Red	 
AlphaTauri	Blue	 
Alpine	Blue	  <span>Show drivers</span>
Aston Martin	Green	 
Ferrari	Red	 
Haas F1 Team	Grey	 
McLaren	Orange	 
Mercedes	Green	 
Red Bull Racing	Blue	 
Williams	Cyan	 

Showing 1 to 10 of 12 entries

< Previous 1 2 Next >

Q2: How can you create a Team filter to use it on the F1 drivers' grid?

We've added the following filter on the grid configuration:

```
->addFilter(Filter::create('teamName', TeamFilter::class))
```

Now, what should our filter look like?

Q2: How can you create a Team filter to use it on the F1 drivers' grid?

We've added the following filter on the grid configuration:

```
->addFilter(Filter::create('teamName', TeamFilter::class))
```

Now, what should our filter look like?

- ```
#[AsFilter(formType: TeamFilterType::class, template: '@SyliusBootstrapAdminUi/shared/grid/filter/select.html.twig',)]  
final class TeamFilter implements FilterInterface
```

Q2: How can you create a Team filter to use it on the F1 drivers' grid?

We've added the following filter on the grid configuration:

```
->addFilter(Filter::create('teamName', TeamFilter::class))
```

Now, what should our filter look like?

- ```
#[AsFilter(formType: TeamFilterType::class, template: '@SyliusBootstrapAdminUi/shared/grid/filter/select.html.twig',)]  
final class TeamFilter implements FilterInterface
```
  
- ```
#[AsGridFilter(formType: TeamFilterType::class, template: '@SyliusBootstrapAdminUi/shared/grid/filter/select.html.twig',)  
final class TeamFilter implements FilterInterface
```

Q2: How can you create a Team filter to use it on the F1 drivers' grid?

We've added the following filter on the grid configuration:

```
->addFilter(Filter::create('teamName', TeamFilter::class))
```

Now, what should our filter look like?

- ```
#[AsFilter(formType: TeamFilterType::class, template: '@SyliusBootstrapAdminUi/shared/grid/filter/select.html.twig',)]  
final class TeamFilter implements FilterInterface
```
  
- ```
#[AsGridFilter(formType: TeamFilterType::class, template: '@SyliusBootstrapAdminUi/shared/grid/filter/select.html.twig',)  
final class TeamFilter implements FilterInterface
```
  
- ```
#[Filter(formType: TeamFilterType::class, template: '@SyliusBootstrapAdminUi/shared/grid/filter/select.html.twig',)]  
final class TeamFilter implements FilterInterface
```

# Conclusion

Congratulations  
Pole position, baby!



Name	Link
Sylius Stack (docs)	<a href="https://stack.sylius.com/">https://stack.sylius.com/</a>
Sylius Stack (Github)	<a href="https://github.com/Sylius/Stack">https://github.com/Sylius/Stack</a>
Grid (Github)	<a href="https://github.com/Sylius/SyliusGridBundle">https://github.com/Sylius/SyliusGridBundle</a>
Open F1 API by br-g (Bruno Godefroy)	<a href="https://openf1.org/">https://openf1.org/</a>
Demo project	<a href="https://github.com/loic425/openf1">https://github.com/loic425/openf1</a>