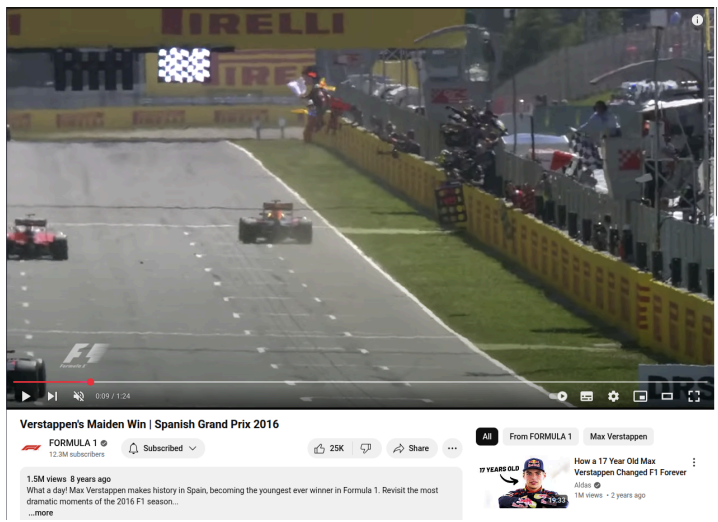
Pole position on the grid

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

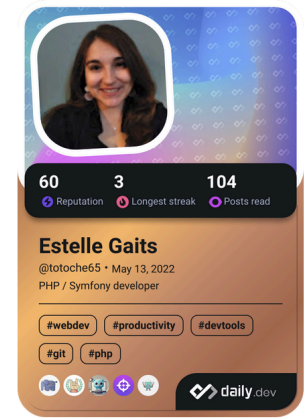
Organizations

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 🇬🇧



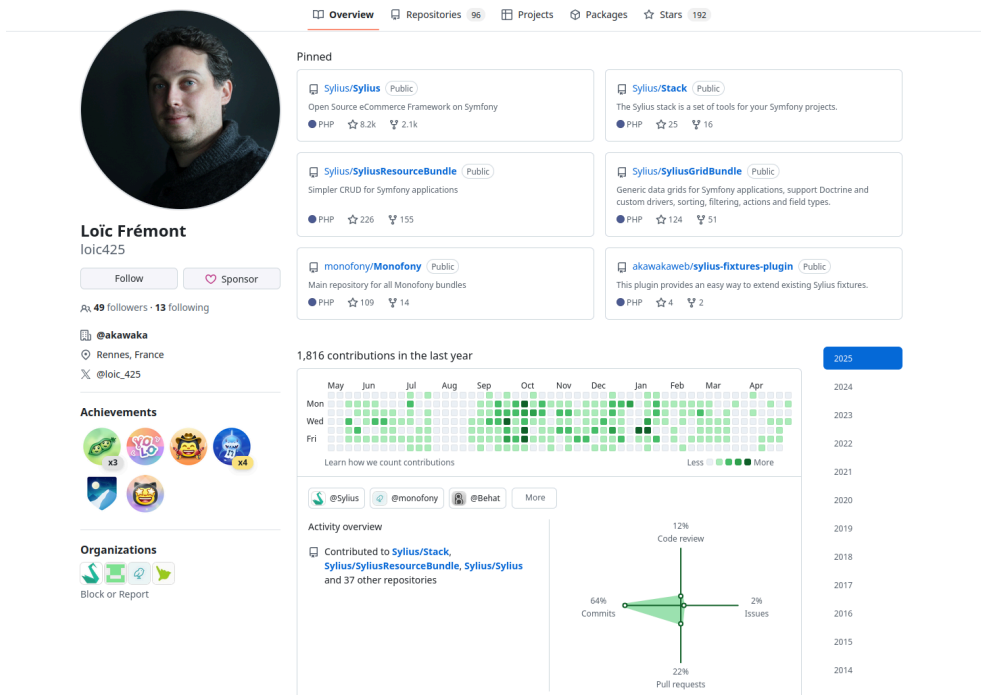
- ⚡ I'm a web developer at Akawaka
- 🌱 I'm currently learning Sylius and Sulu
- 🧞‍♂️ I would like to learn Sulu, Svelte and GO as well as continue to explore API Platform.

✨ My battleground

PHP SYMFONY PHPSTORM PHPSTAN PHPUNIT MYSQL MARIADB DOCKER
CSS3 BOOTSTRAP TAILWINDCSS JAVASCRIPT REACT STIMULUS JQUERY
VISUALSTUDIOCODE

Loïc Frémont

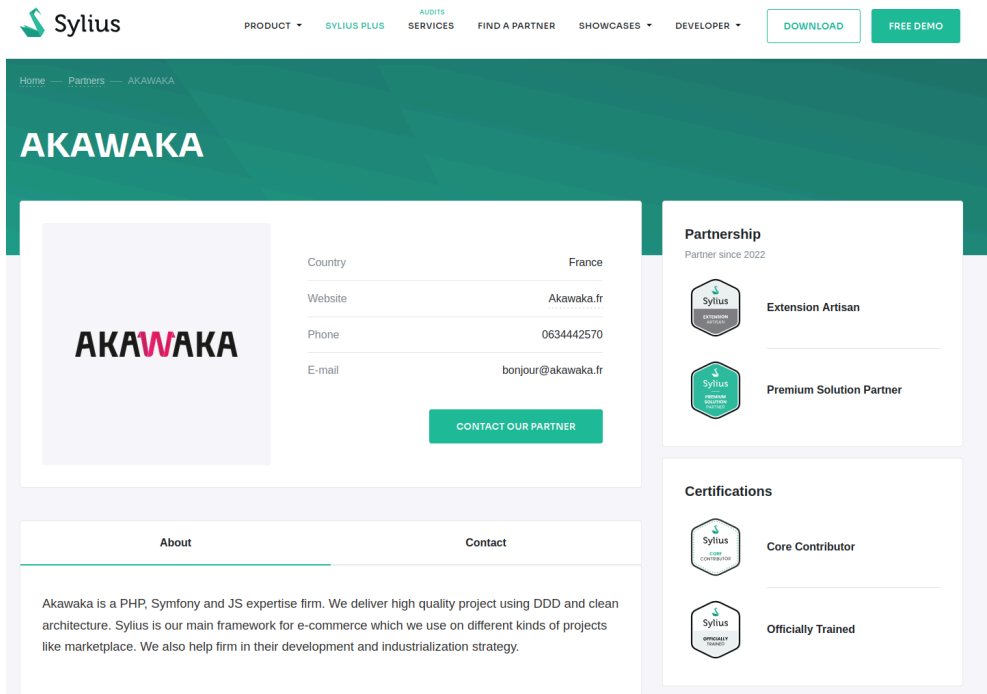
- Technical Expert @Akawaka
- Sylius Key Contributor
- Sylius Stack Main Maintainer



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



Akawaka & Sylius

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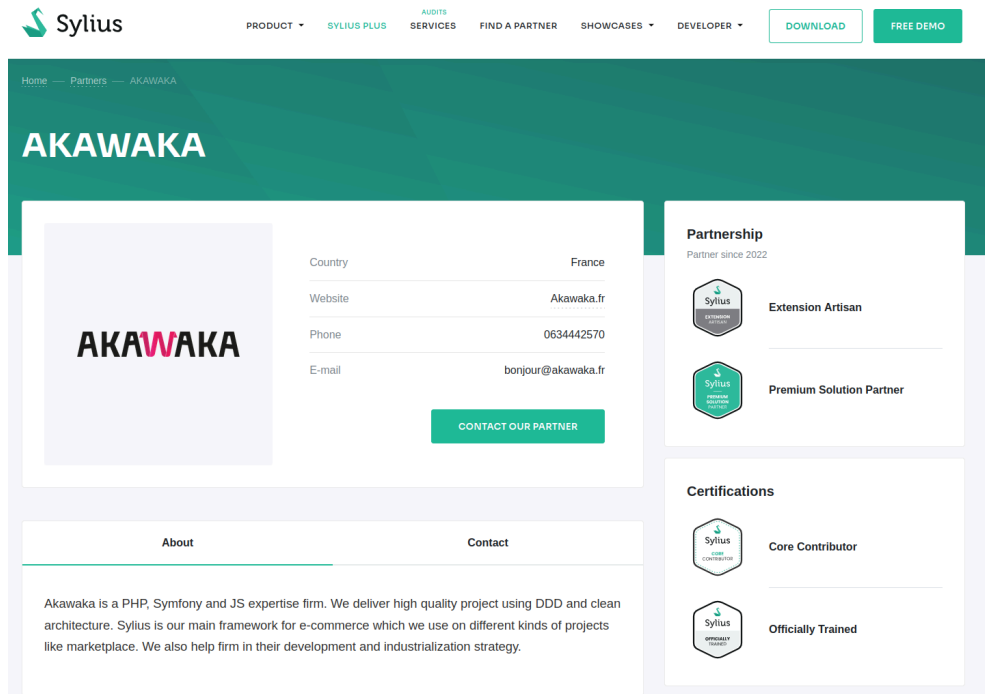
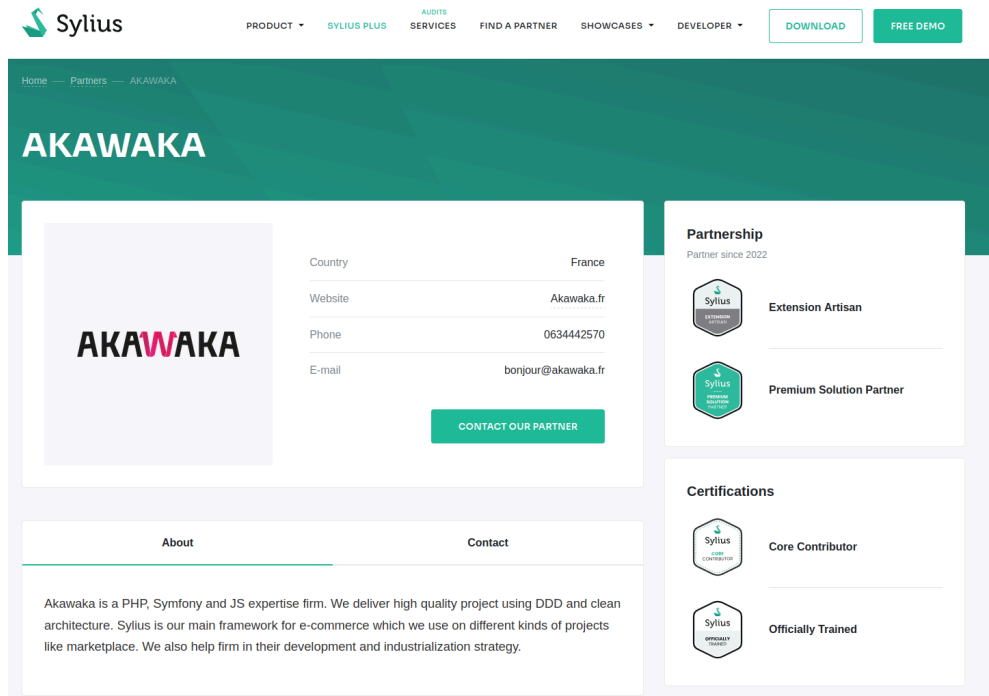
- Sylius Partner since 2022

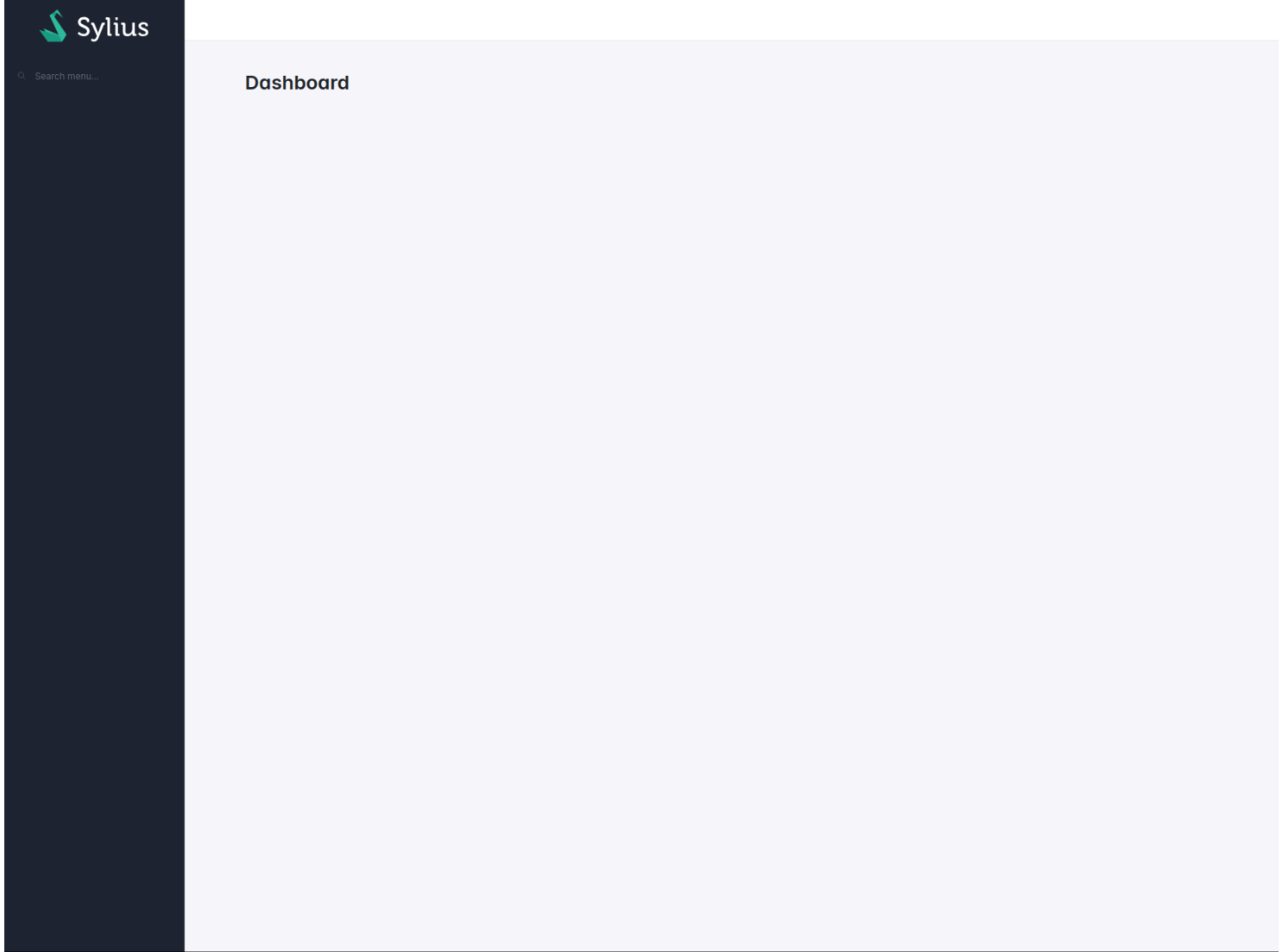


Akawaka & Sylius

a true 💖 story

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




Sylius
Search menu...
Dashboard

Sylius

Search menu...

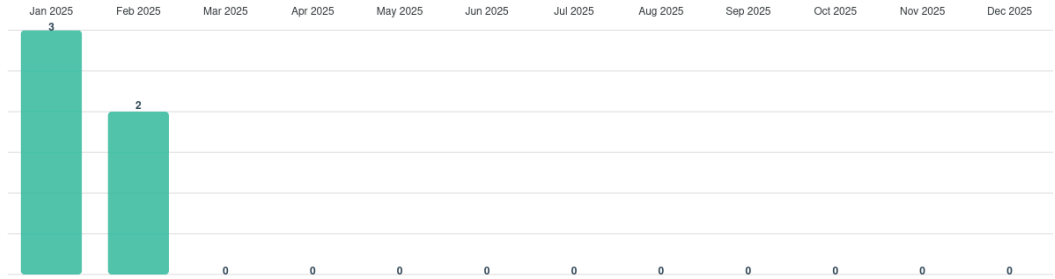
- Dashboard
- Library
- Configuration
  - Conferences
  - Talks
  - Speakers

Hello
admin@example.com

Dashboard

TALKS	SPEAKERS	CONFERENCES
5	3	5

2 Semaines | Mois | Année



New talks

TITLE
Voluptate architecto voluptatem debitis. Stéphane Decock
Maiores voluptas perspiciatis cupiditate voluptas ut ut quo. Mikołaj Król
Consequuntur modi explicabo voluptatibus debitis officiis nam. Jacques Bodin-Hullin
Dicta aut et id voluptatem quia quod. Manuele Menozzi
Velit perspiciatis assumenda voluptatem tempore. Loïc Caillieux

Show all

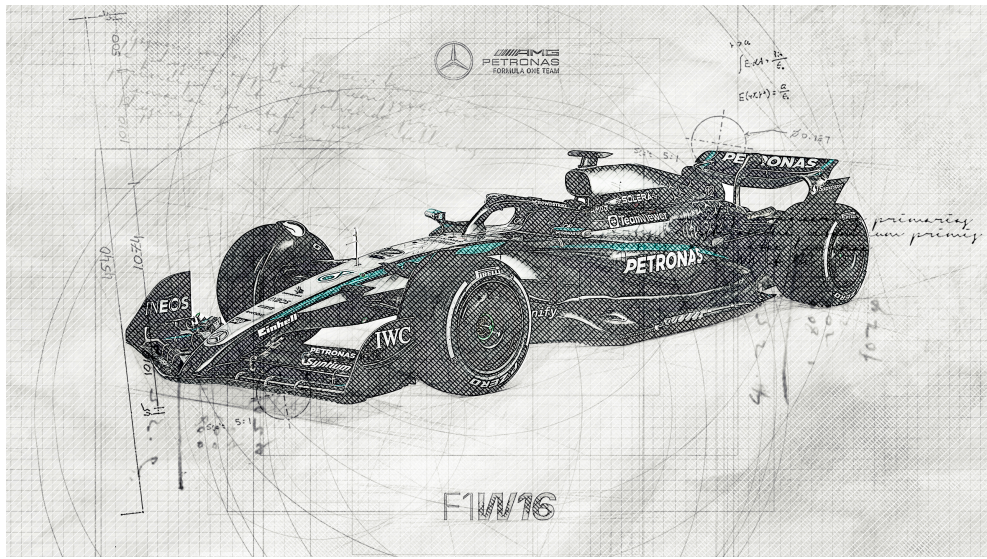
New speakers

NAME
Julien Jacottet Mezcalito
Hélèna 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 :



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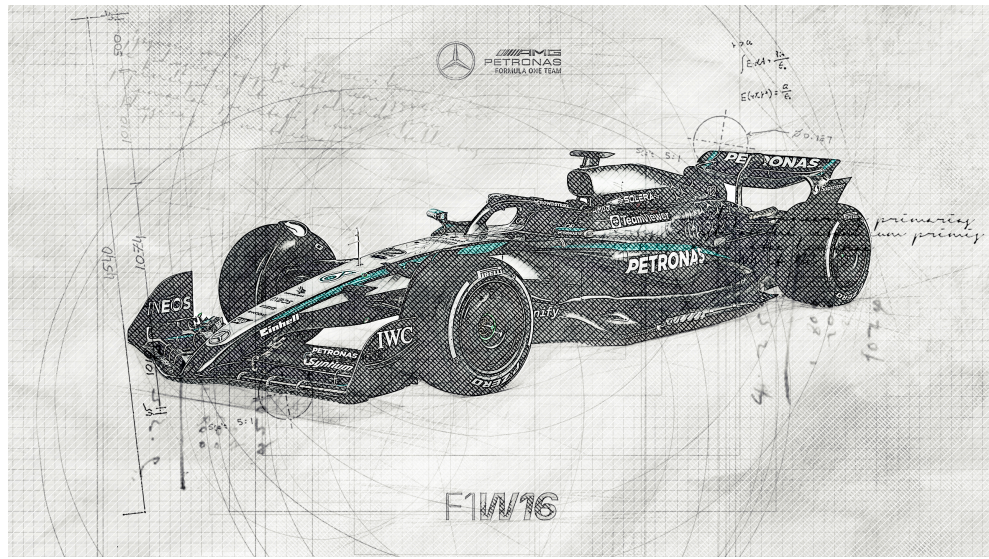

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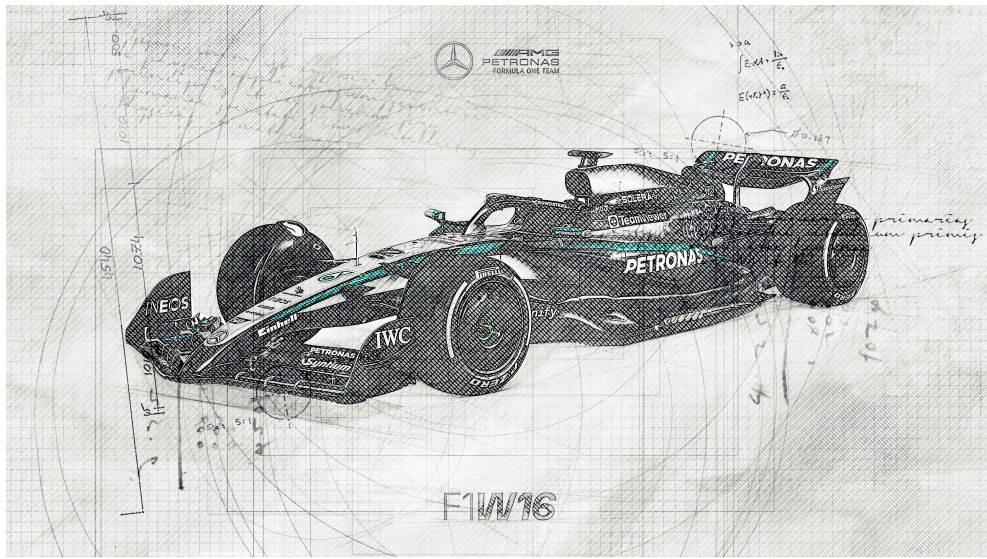

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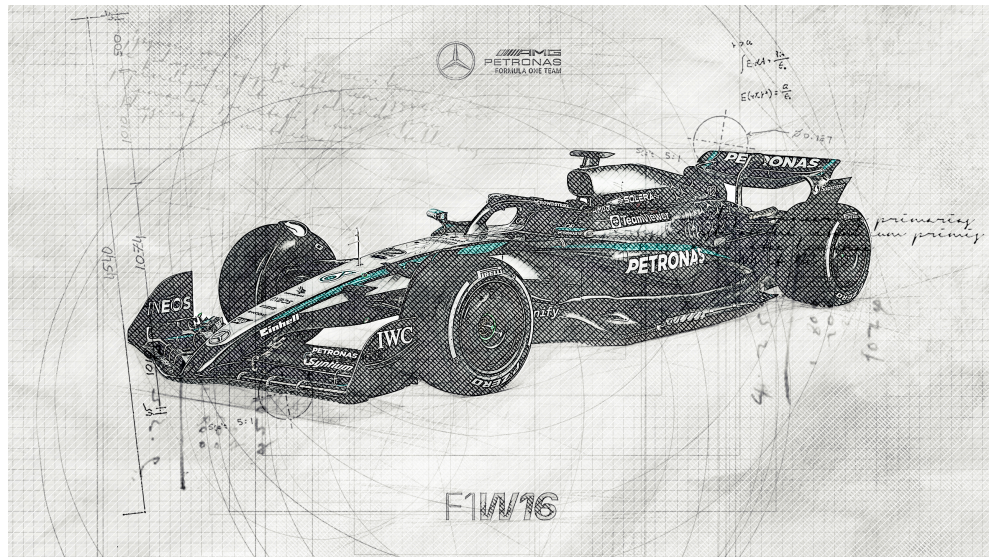

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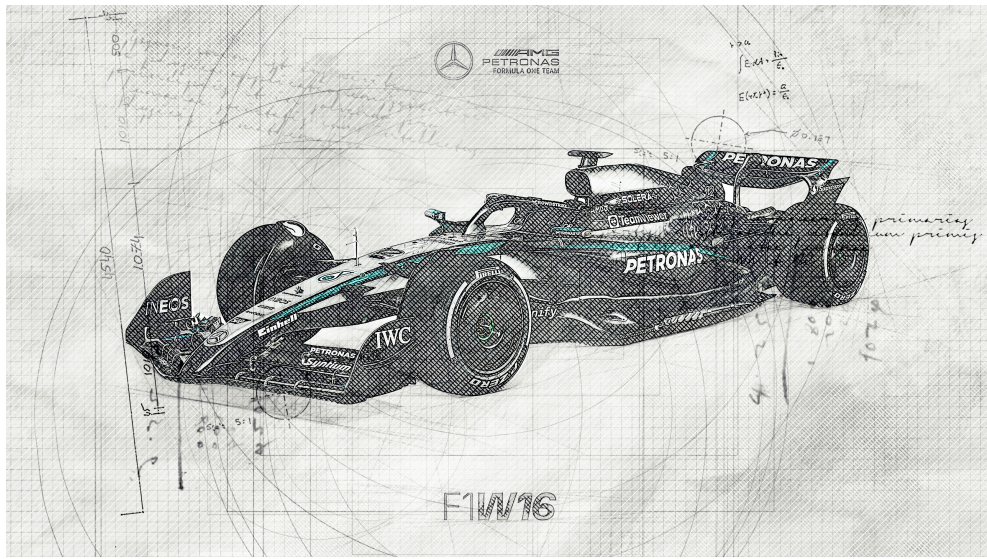

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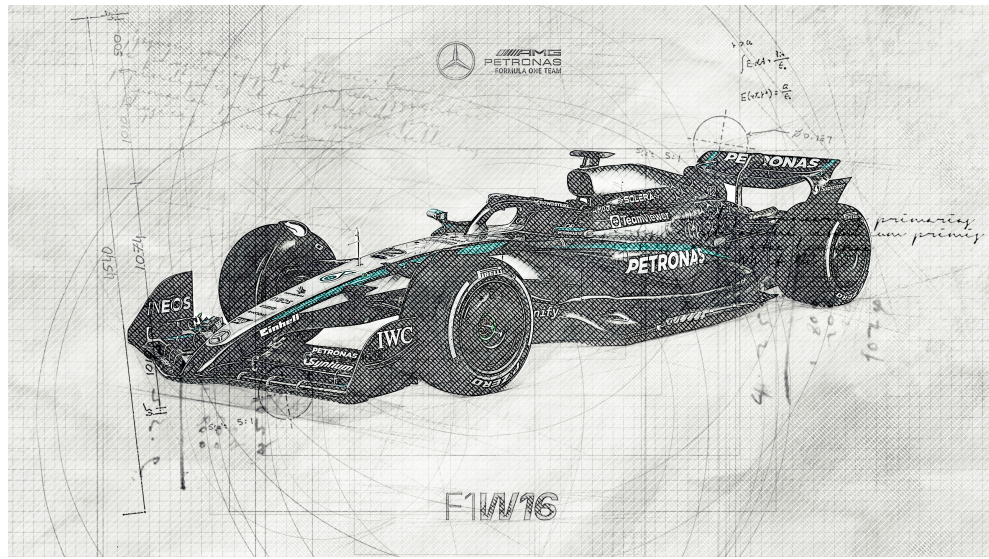

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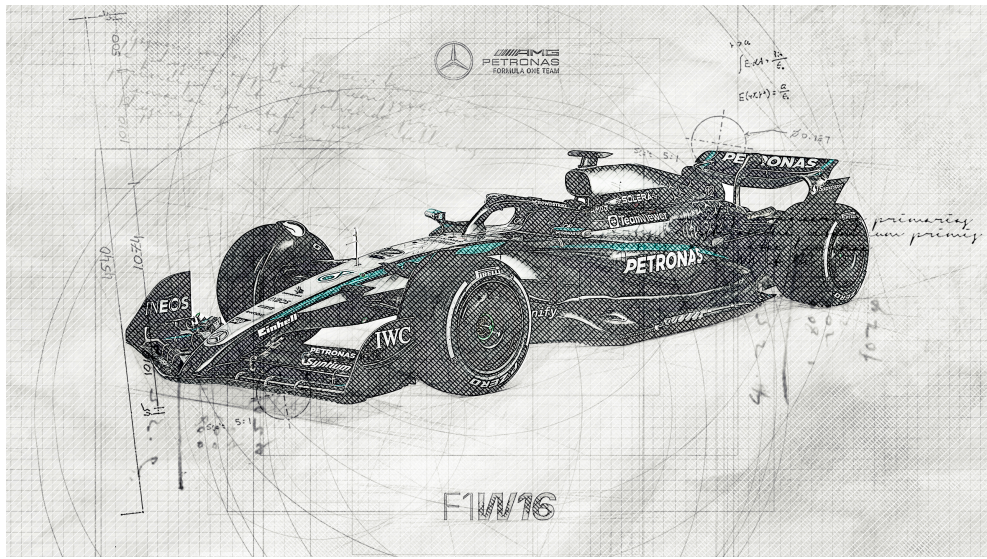
- Sylius Resource bundle
- Doctrine ORM & DBAL drivers
- Providers/processors system
- Bootstrap Admin UI
- Symfony UX, AssetMapper and more !



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

```php
#[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;
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}
```

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▦ Improved `make:grid` console command

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```

stlgaits commented last week • edited by loic425 Member

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

```php
#[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(),
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        ;
```

RuntimeException HTTP 500 Internal Server Error

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

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2- Create a custom Grid Data Provider

```php
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
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Sylius

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 Bu
        yield new DriverResource(number: 2, firstName: 'Logan', lastName: 'Sargeant', countryCode: 'USA', teamName: 'Willia
        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: 'Merce
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        yield new DriverResource(number: 44, firstName: 'Lewis', lastName: 'Hamilton', countryCode: 'GBR', teamName: 'Merce
    }
}
```

Sylius

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

< Previous 1 Next >

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

```php
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
    {
        // ...
    }
}
```

```php
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;
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final readonly class DriverGridProvider implements DataProviderInterface
{
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    ) {}

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

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

    // ...

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

```php
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'],
            );
        }
    }
}
```

Sylius

Search menu...

- Dashboard
- Formula One
  - Drivers
  - Team radios
  - Sessions
  - Teams

Dashboard / Drivers

Drivers

Show 10

IMAGE	NUMBER	FIRSTNAME	LASTNAME	COUNTRYCODE	TEAM
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	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

Practice 2: ▦ The brand new #[AsGrid] attribute

Resource class & provider arguments

```php
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

```php
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(
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    ): void
        // ...
    }
}
```

Resource class & provider arguments

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

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

Resource class & provider arguments

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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

```php
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

```php
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

```php
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
        // ...
    }
}
```

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    // ...
)]
final class MeetingGrid extends AbstractGrid
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#[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()

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- **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()

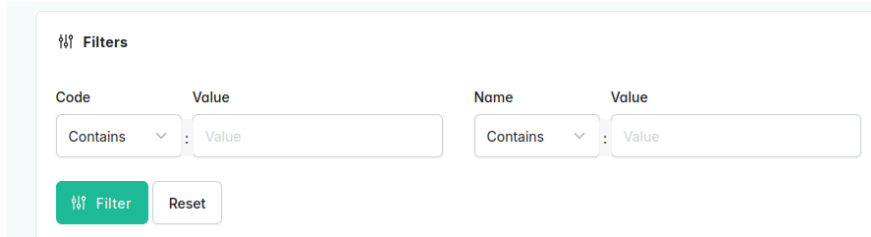

Emirates FLY BETTER
150
JACK & JONES
SOFINA
RENAULT

Practice 3 : 🔎 Filter for specific drivers

using the brand new #[AsFilter] attribute

Filter types:

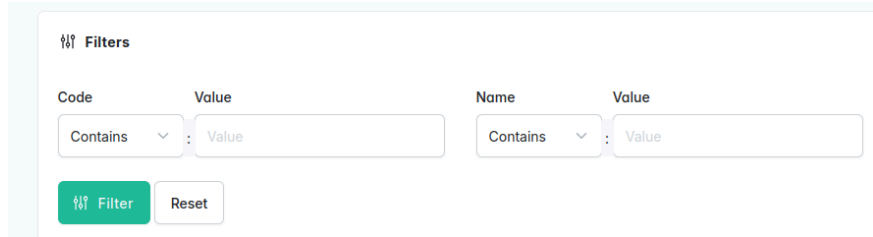
String filter example



Filter types:

- String

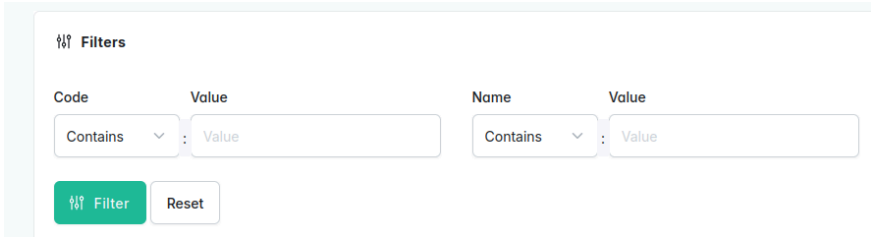
String filter example



Filter types:

- String
- Boolean

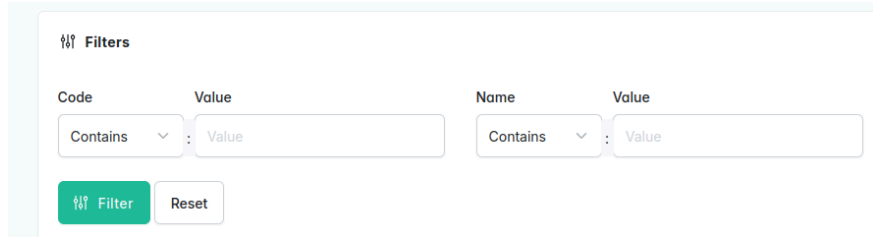
String filter example



Filter types:

- String
- Boolean
- Date

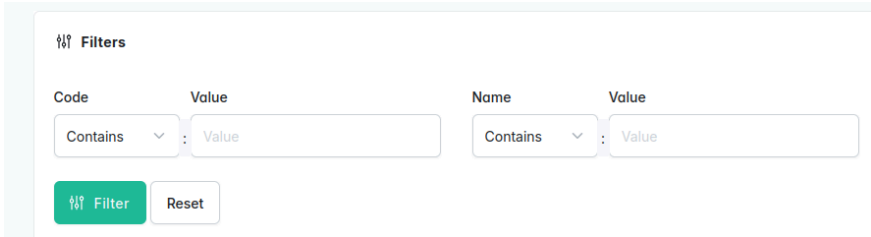
String filter example



Filter types:

- String
- Boolean
- Date
- Entity

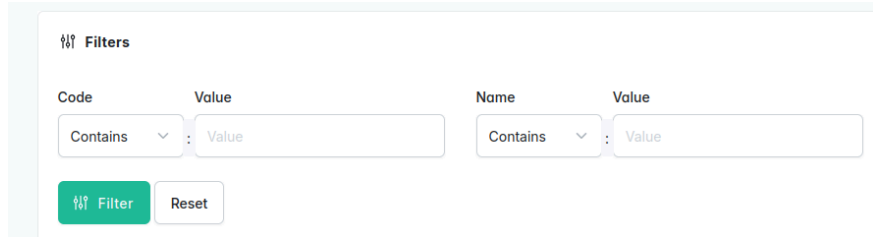
String filter example



Filter types:

- String
- Boolean
- Date
- Entity
- Money

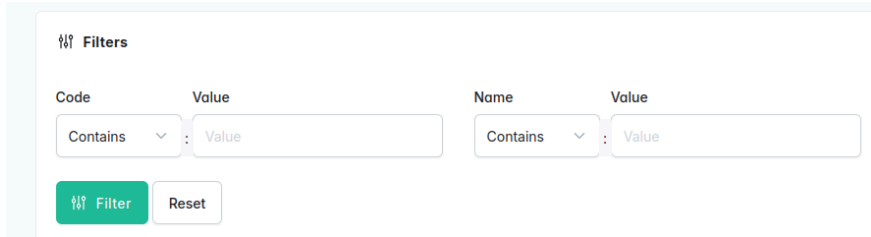
String filter example



Filter types:

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

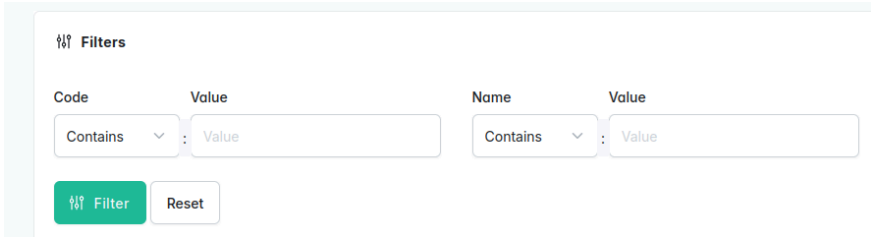
String filter example



Filter types:

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

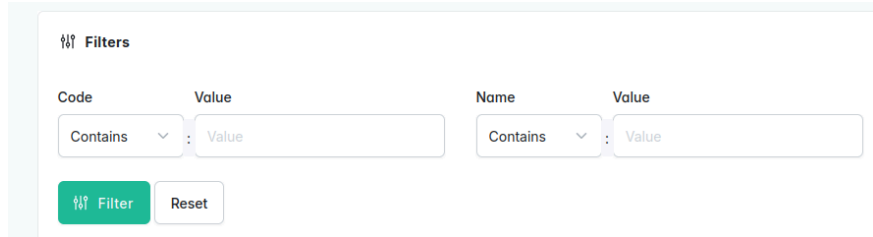
String filter example



Filter types:

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

String filter example



#[AsFilter]

```php
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
    }
}
```

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    }
}
```

Insert the filter into our Grid

```php
#[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')
            )
            // ...
        ;
    }
}
```

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            )
            // ...
        ;
    }
}
```

Actual filtering logic inside the provider

```php
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'],
                // ...
            );
        }
    }
}
```

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        $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'],
                // ...
            );
        }
    }
}
```

Sylius

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
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	16	Charles	Leclerc	MON	Ferrari
	18	Lance	Stroll	CAN	Aston Martin
	20	Kevin	Magnussen	DEN	Haas F1 Team

Sylius

Search menu...

Dashboard

Formula One

Drivers

Dashboard / Drivers

Drivers

Filters

Country

France

Filter Reset

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

Previous 1 Next

[#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

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

```php
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')
            )
            // ...
        ;
    }
}
```

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                    ->setLabel('app.ui.driver_number')
            )
            // ...
        ;
    }
}
```

```php
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'),
                )
```

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                                'parameters' => [
                                    'criteria' => [
                                        'driver_number' => [
                                            'value' => 'resource.number', // driverResource->number
                                        ],
                                    ],
                                ],
                            ],
                        ])
                        ->setLabel('app.ui.show_team_radios')
                        ->setIcon('tabler:radio'),
                )
```

Sylius

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	

Sylius

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Dashboard / Drivers

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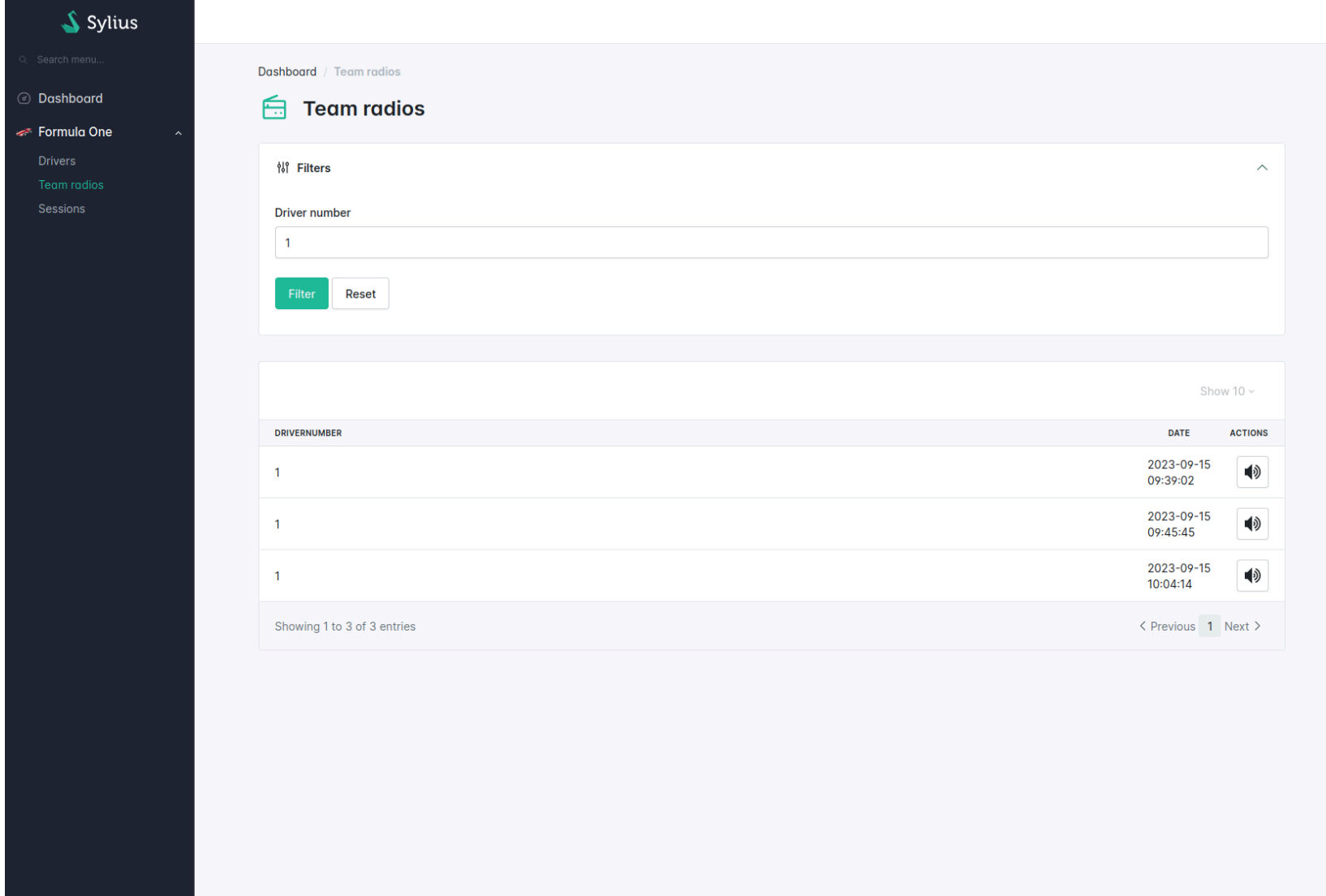

Sylius
Search menu...
Dashboard
Formula One
Drivers
Team radios
Sessions
Dashboard / Team radios
Team radios
Filters
Driver number
1
Filter
Reset
Show 10
DRIVERNUMBER
DATE
ACTIONS
1
2023-09-15 09:39:02
1
2023-09-15 09:45:45
1
2023-09-15 10:04:14
Showing 1 to 3 of 3 entries
Previous
1
Next

Push, Push, Push!

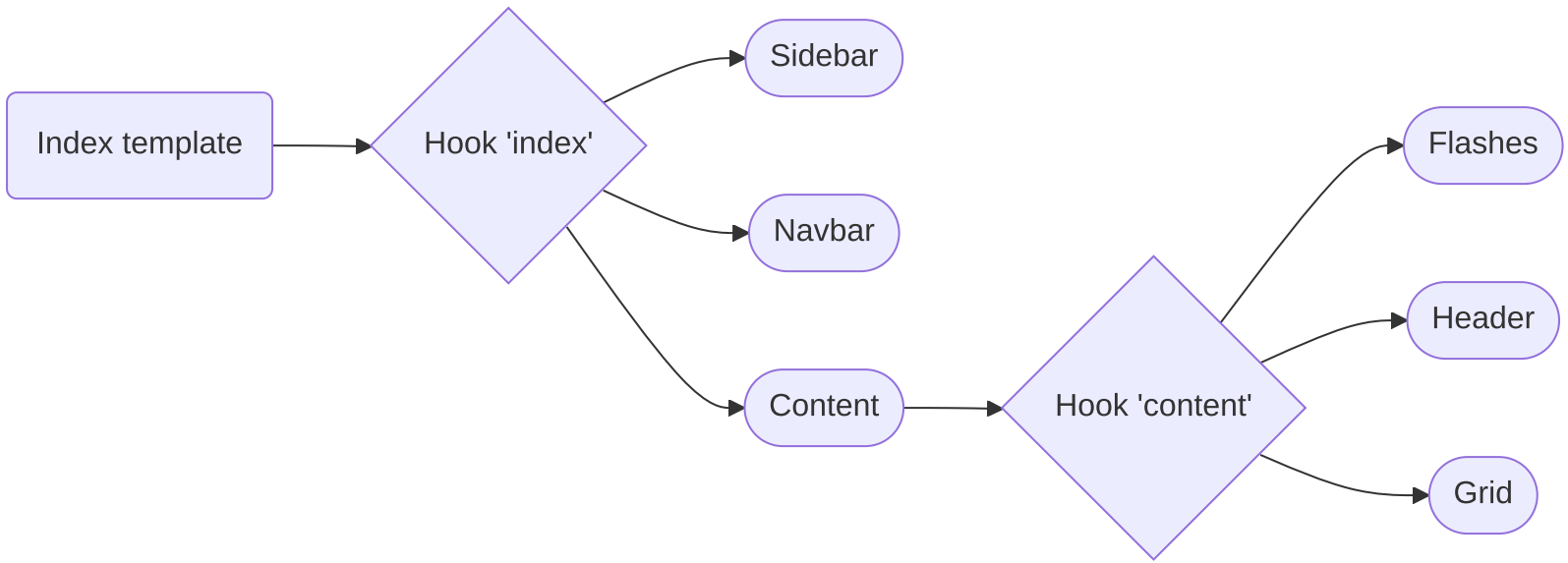
New Live Component Grid

it’s alive…

FAST
FAST
FAST
FAST

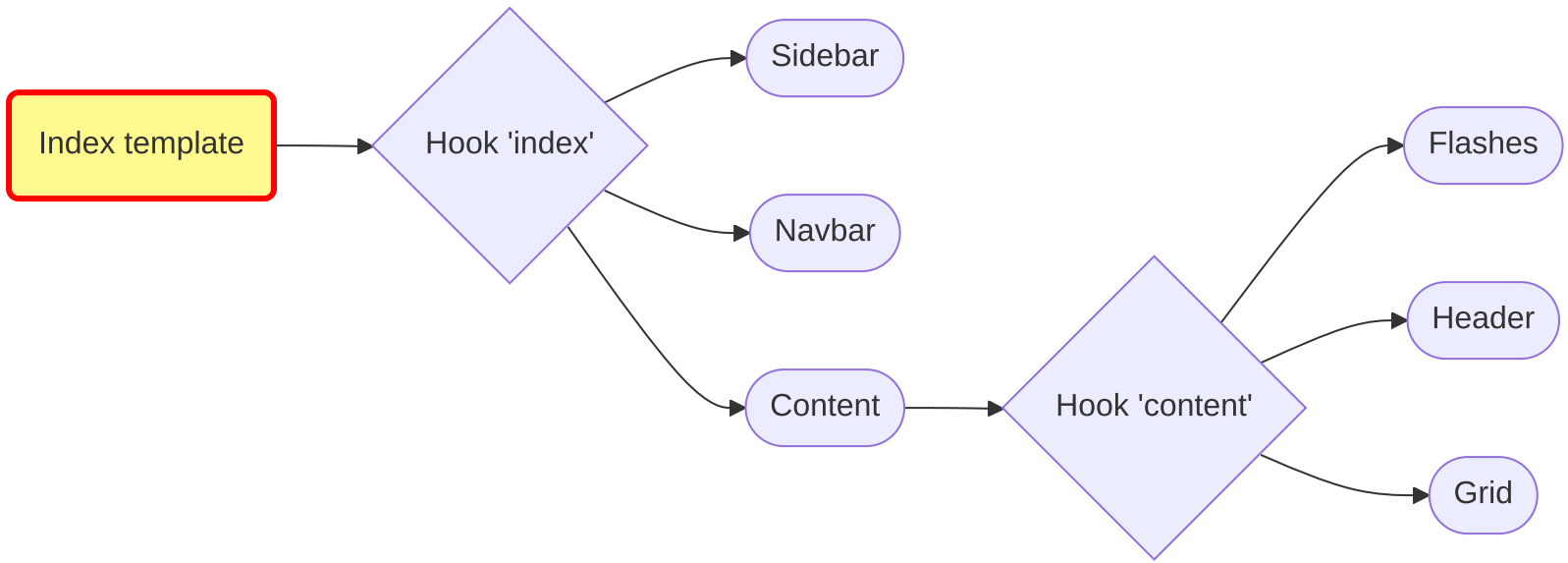
Twig hooks overview

index operation



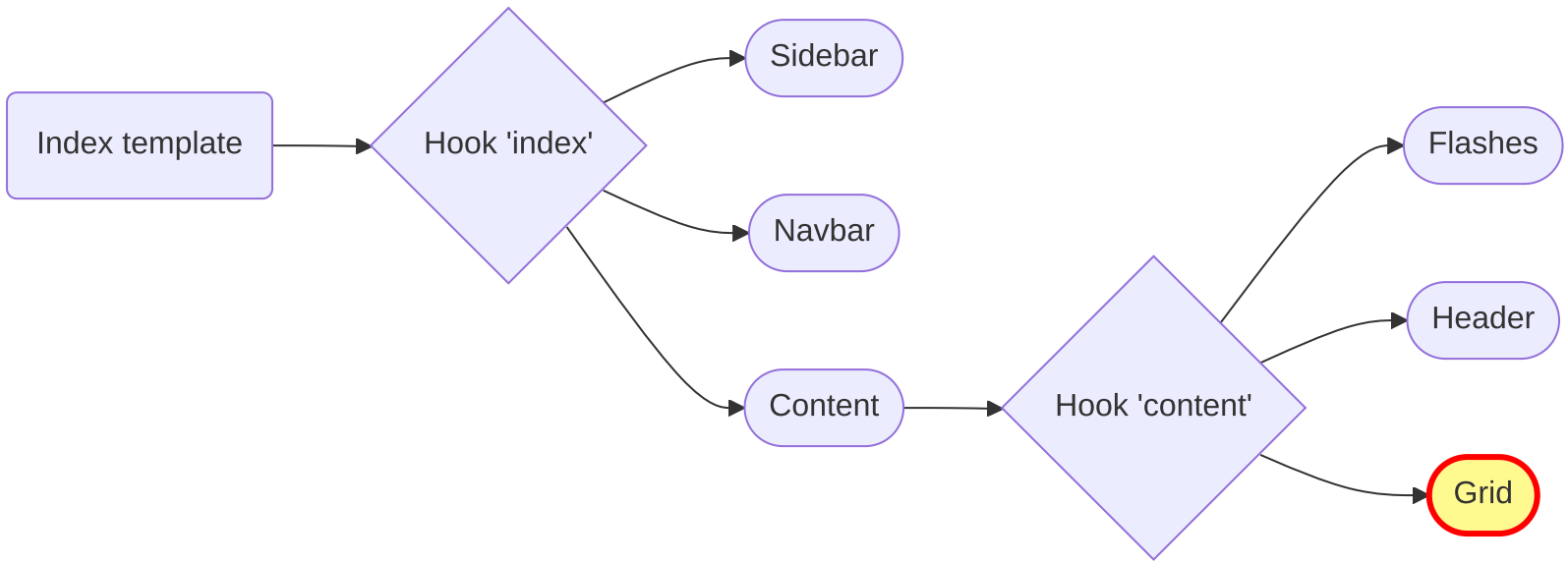
Twig hooks overview

index operation



Twig hooks overview

index operation



Twig hooks overview

index operation

Twig hooks updated

index operation

Overview of the new DataTableComponent

```php
#[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

```yaml
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'
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                    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.

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

Use it in any template

Including your grid in a details page.

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    grid: 'driver',
    criteria: {
        session: session.id,
    },
}) }}
```


0:00 / 0:06


0:00 / 0:32

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

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

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

```twig
{% 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.

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- `#[AsFilter]`

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Quick practice before it’s your time to shine!

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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 … :

```php
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?

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

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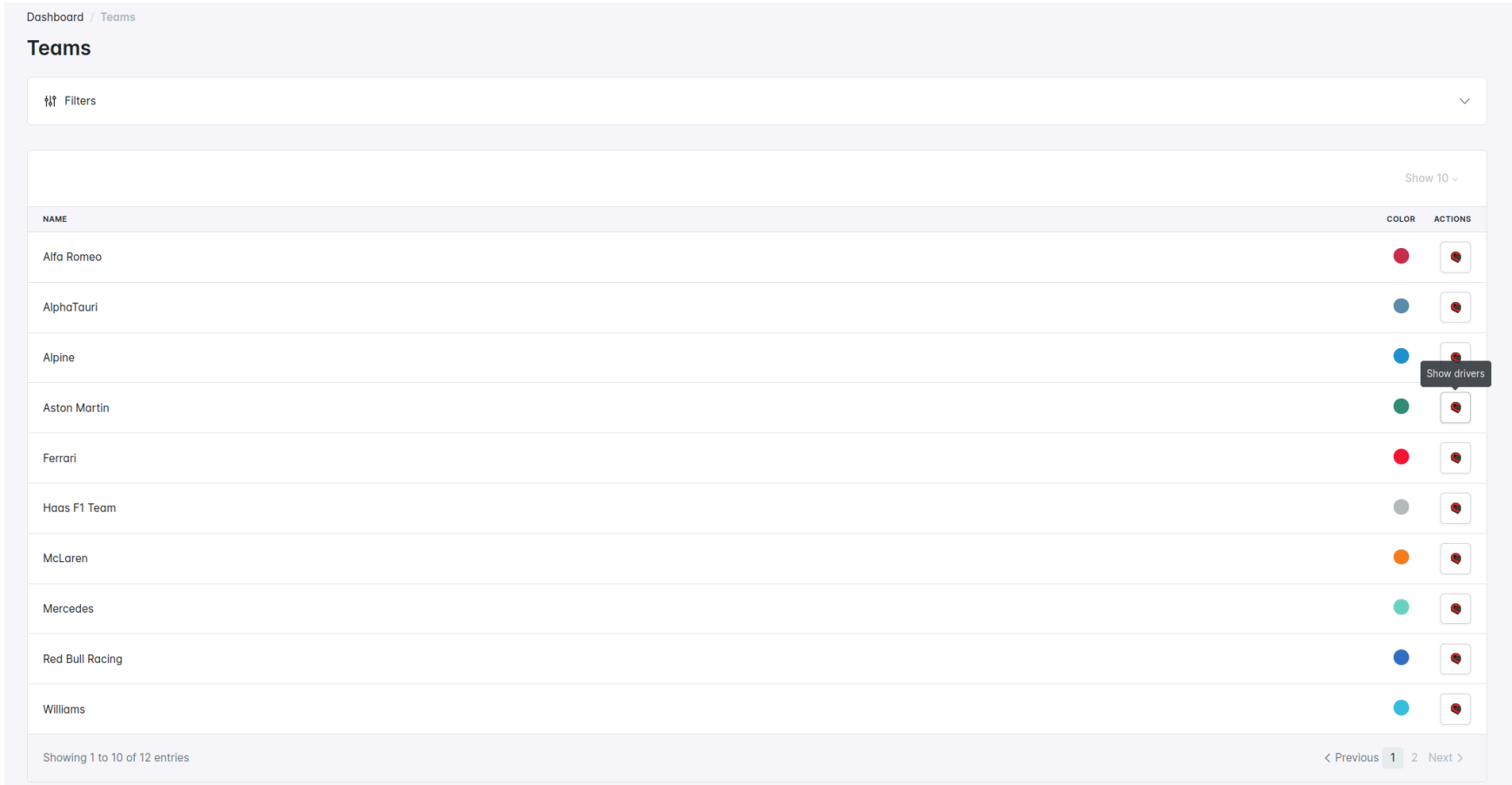

Q2: How can you create a Team filter to use it on the F1 drivers' grid?

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

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

Now, what should our filter look like?

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

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  ```
  ```

Conclusion

Congratulations

Pole position, baby!

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