API Platform

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Installation du projet

Version utilisée de PHP: 8.3

composer create-project symfony/skeleton forum 6.3.*

composer require symfony/orm-pack

composer require --dev symfony/maker-bundle

cp .env .env.local

Base de données

DATABASE_URL="mysql://login????:XXXXXXXXXXXXXXXXXX0127.0.0.1:3306/dbforum?serverVersion=10.3.39-MariaDB"

php bin/console doctrine:database:create

composer require symfony/security-bundle

php bin/console make:user

php bin/console make:entity User

Ajouter

nom : string de 30 caractères non nul prenom : string de 30 caractères non nul dateInscription : datetime non nul

php bin/console make:entity Message

titre : string 50 caractères non nul datePoste : datetime non nul contenu : text non nul

champ user relation ManyToOne vers User champ parent ManyToOne vers Message

php bin/console make:migration php bin/console doctrine:migrations:migrate

Construire un jeu d'essai

composer require orm-fixtures --dev

composer require fakerphp/faker

Dans DataFixtures:

UserFixtures.php

```
<?php
namespace App\DataFixtures;
use Doctrine\Bundle\FixturesBundle\Fixture;
use Doctrine\Persistence\ObjectManager;
use Faker\Factory;
use Faker\Factory;
use App\Entity\User;
use Symfony\Component\PasswordHasher\Hasher\UserPasswordHasherInterface;
class UserFixtures extends Fixture
{
    private $faker;
    private $passwordHasher;</pre>
```

```
public function __construct(UserPasswordHasherInterface $passwordHasher){
    $this->faker=Factory::create("fr_FR");
    $this->passwordHasher= $passwordHasher;
}
  public function load(ObjectManager $manager): void
    for($i=0;$i<10;$i++){
       $user = new User();
       $user->setNom($this->faker->lastName())
       ->setPrenom($this->faker->firstName())
       ->setEmail(strtolower($user->getPrenom()).'.'.strtolower($user->getNom()).'@'.$this-
>faker->freeEmailDomain())
       ->setPassword($this->passwordHasher->hashPassword($user, strtolower($user-
>getPrenom())))
       ->setDateInscription($this->faker->dateTimeThisYear());
       $this->addReference('user'.$i, $user);
       $manager->persist($user);
    $manager->flush();
  }
```

Vous pouvez également supprimer les accents dans le prénom puisqu'il est utilisé pour le mot de passe. Cela se fait en utilisant le slug.

composer require symfony/string

```
<?php
namespace App\DataFixtures;
use Doctrine\Bundle\FixturesBundle\Fixture;
use Doctrine\Persistence\ObjectManager;
use Faker\Factory;
use Faker\Factory;
use App\Entity\User;
use Symfony\Component\PasswordHasher\Hasher\UserPasswordHasherInterface;
use Symfony\Component\String\Slugger\AsciiSlugger;

class UserFixtures extends Fixture
{
    private $faker;
    private $passwordHasher;

public function __construct(UserPasswordHasherInterface $passwordHasher){
        $this->faker=Factory::create("fr_FR");
        $this->passwordHasher= $passwordHasher;
```

MessageFixtures.php

```
<?php
namespace App\DataFixtures;
use Doctrine\Bundle\FixturesBundle\Fixture;
use Doctrine\Persistence\ObjectManager;
use Faker\Factory;
use App\Entity\User;
use App\Entity\Message;
use Doctrine\Common\DataFixtures\DependentFixtureInterface;
class MessageFixtures extends Fixture implements DependentFixtureInterface
  private $faker;
  public function __construct(){
    $this->faker=Factory::create("fr_FR");
  }
  public function load(ObjectManager $manager): void
    for($i=0;$i<10;$i++){
       $message = new Message();
       $message->setTitre($this->faker->sentence(3));
       $message->setDatePoste($this->faker->dateTimeThisYear());
```

```
$message->setContenu($this->faker->paragraph());
     $message->setUser($this->getReference('user'.mt_rand(0,9)));
     $manager->persist($message);
     $this->addReference('message'.$i, $message);
  for($i=0;$i<20;$i++){
     $message = new Message();
     $message->setTitre($this->faker->sentence(3));
     $message->setDatePoste($this->faker->dateTimeThisYear());
     $message->setContenu($this->faker->paragraph());
     $message->setUser($this->getReference('user'.mt_rand(0,9)));
     $message->setParent($this->getReference('message'.mt_rand(0,9)));
     $manager->persist($message);
  }
  $manager->flush();
}
public function getDependencies()
  return [
     UserFixtures::class,
  ];
}
```

php bin/console doctrine:fixtures:load

Installation et configuration d'API Platform

composer require api

composer require symfony/apache-pack

En root, dans /etc/apache2/conf-available/forum.conf

Alias /forum /var/www/html/forum/public <Directory /var/www/html/forum/public> AllowOverride All Order Allow,Deny Allow from All </Directory>

a2enconf forum.conf

systemctl reload apache2

User.php

<?php

namespace App\Entity;

use App\Repository\UserRepository;

use Doctrine\Common\Collections\ArrayCollection;

use Doctrine\Common\Collections\Collection;

use Doctrine\DBAL\Types\Types;

use Doctrine\ORM\Mapping as ORM;

use Symfony\Component\Security\Core\User\PasswordAuthenticatedUserInterface;

use Symfony\Component\Security\Core\User\UserInterface;

use ApiPlatform\Metadata\ApiResource;

#[ApiResource()]

#[ORM\Entity(repositoryClass: UserRepository::class)]

class User implements UserInterface, PasswordAuthenticatedUserInterface

Message.php

<?php

namespace App\Entity;

use App\Repository\MessageRepository;

use Doctrine\Common\Collections\ArrayCollection;

use Doctrine\Common\Collections\Collection;

use Doctrine\DBAL\Types\Types;

use Doctrine\ORM\Mapping as ORM;

use ApiPlatform\Metadata\ApiResource;

#[ApiResource()]

#[ORM\Entity(repositoryClass: MessageRepository::class)]

class Message

Changer la route de la documentation (catalogue des API)

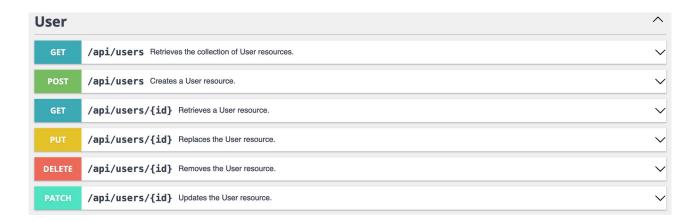
Dans config/routes.yaml

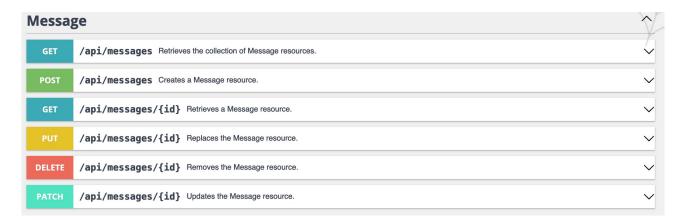
api_doc:

path: /doc

controller: api_platform.swagger_ui.action

https://s3-4987.nuage-peda.fr/forum/doc





Si vous ne voyez pas de changement dans le catalogue des API, pensez à faire la commande suivante :

```
php bin/console cache:clear
```

collectionOperation itemOperation

Récupérer l'ensemble des utilisateurs

```
curl -X 'GET' \
'https://s3-4987.nuage-peda.fr/forum/api/users?page=1' \
-H 'accept: application/ld+json'
```

Le résultat est en JSON.

```
{
   "@context": "/forum/api/contexts/User",
   "@id": "/forum/api/users",
   "@type": "hydra:Collection",
   "hydra:totalItems": 10,
   "hydra:member": [
   {
      "@id": "/forum/api/users/61",
```

```
"@type": "User",
   "id": 61,
   "email": "xavier.becker@noos.fr",
   "roles": [
    "ROLE_USER"
   ],
   "password":
"$2y$13$QRpBm3F4RtNGm0Qxl2WxK.CfCn9hb1v7GJ6vpuC0zr3HY4dCSP9Xi",
   "nom": "Becker",
   "prenom": "Xavier",
   "dateInscription": "2023-04-07T14:32:16+00:00",
   "messages": [
    "/forum/api/messages/5",
    "/forum/api/messages/7";
    "/forum/api/messages/13"
   "userIdentifier": "xavier.becker@noos.fr"
  },
   "@id": "/forum/api/users/62",
   "@type": "User",
   "id": 62,
   "email": "thibaut.rodriguez@laposte.net",
   "roles": [
    "ROLE_USER"
   ],
   "password": "$2y$13$nIUxV9ikoV.V/yE.PKcsdOnSnTpmox1/9iBqCzV53RSYGtrm/Eif2",
   "nom": "Rodriguez",
   "prenom": "Thibaut",
   "dateInscription": "2023-03-02T07:37:10+00:00",
   "messages": [
    "/forum/api/messages/10",
    "/forum/api/messages/23"
   ],
   "userIdentifier": "thibaut.rodriguez@laposte.net"
  },
   "@id": "/forum/api/users/63",
   "@type": "User",
   "id": 63,
   "email": "astrid.rousseau@orange.fr",
   "roles": [
    "ROLE_USER"
   ],
   "password":
"$2y$13$7wBFiKlLDr0Y5WmR5nnbz.z5Qh3JpV4ax3swY7jbyOMMoy1Rykeyu",
   "nom": "Rousseau",
   "prenom": "Astrid",
   "dateInscription": "2023-06-19T21:46:00+00:00",
   "messages": [
```

```
"/forum/api/messages/15";
    "/forum/api/messages/16";
    "/forum/api/messages/19";
    "/forum/api/messages/24";
    "/forum/api/messages/27";
    "/forum/api/messages/28"
   "userIdentifier": "astrid.rousseau@orange.fr"
  },
   "@id": "/forum/api/users/64",
   "@type": "User",
   "id": 64,
   "email": "amélie.guillou@noos.fr",
   "roles": [
    "ROLE_USER"
   "password": "$2y$13$84tFsHGh7prxbJ/r37hLw.Xfphb4WKsPFRT78nr9ndBrdNswQI0Le",
   "nom": "Guillou",
   "prenom": "Amélie",
   "dateInscription": "2023-07-26T07:32:19+00:00",
   "messages": [
    "/forum/api/messages/4",
    "/forum/api/messages/22"
   "userIdentifier": "amélie.guillou@noos.fr"
   "@id": "/forum/api/users/65",
   "@type": "User",
   "id": 65,
   "email": "léon.marechal@wanadoo.fr",
   "roles": [
    "ROLE USER"
   ],
   "password":
"$2y$13$ek0T9sK5gPFuS6VcFX3vhuNddiDu1.nvBxQJiLW1wzEpgV9OSVYIy",
   "nom": "Marechal",
   "prenom": "Léon",
   "dateInscription": "2023-01-26T10:07:39+00:00",
   "messages": [
    "/forum/api/messages/1",
    "/forum/api/messages/3"
    "/forum/api/messages/6",
    "/forum/api/messages/30"
   "userIdentifier": "léon.marechal@wanadoo.fr"
  },
   "@id": "/forum/api/users/66",
```

```
"@type": "User",
   "id": 66,
   "email": "marc.boucher@free.fr",
   "roles": [
    "ROLE_USER"
   ],
   "password":
"$2y$13$kLcRkXBJeYoEcfNm7MdX6.n41NdCG3bhbDTI8MFJr1ztLeQUAPrmK",
   "nom": "Boucher",
   "prenom": "Marc",
   "dateInscription": "2023-01-04T14:55:57+00:00",
   "messages": [
    "/forum/api/messages/2",
    "/forum/api/messages/8";
    "/forum/api/messages/18"
    "/forum/api/messages/29"
   "userIdentifier": "marc.boucher@free.fr"
  },
   "@id": "/forum/api/users/67",
   "@type": "User",
   "id": 67,
   "email": "alice.lenoir@free.fr",
   "roles": [
    "ROLE USER"
   "password":
"$2y$13$Ow1NwgD5C1gUrPvrLX0gh.JwKnCaWFl6giBnJAAucTCgYU/Snv6J.",
   "nom": "Lenoir",
   "prenom": "Alice",
   "dateInscription": "2023-06-24T17:11:18+00:00",
   "messages": [
    "/forum/api/messages/9",
    "/forum/api/messages/12",
    "/forum/api/messages/17";
    "/forum/api/messages/21"
   "userIdentifier": "alice.lenoir@free.fr"
  },
   "@id": "/forum/api/users/68",
   "@type": "User",
   "id": 68,
   "email": "constance.renard@free.fr",
   "roles": [
    "ROLE_USER"
   ],
   "password":
"$2y$13$Tjyi8WUgT8hJjp4.uUgTX.NND9c5XUmR.9ZF5HHGFJYvOt7Z/Sr92",
```

```
"nom": "Renard",
  "prenom": "Constance",
  "dateInscription": "2023-05-23T00:54:13+00:00",
  "messages": [
   "/forum/api/messages/11",
   "/forum/api/messages/14"
   "/forum/api/messages/26"
  "userIdentifier": "constance.renard@free.fr"
 },
  "@id": "/forum/api/users/69",
  "@type": "User",
  "id": 69,
  "email": "jean.guyon@noos.fr",
  "roles": [
   "ROLE_USER"
  ],
  "password": "$2y$13$6.N84K308s8mnir1WvuImuFm1roxKcIRtlFYoKc5nSxfnyYuTpf/a",
  "nom": "Guyon",
  "prenom": "Jean"
  "dateInscription": "2023-01-16T22:49:44+00:00",
  "messages": [
   "/forum/api/messages/20"
  "userIdentifier": "jean.guyon@noos.fr"
 },
  "@id": "/forum/api/users/70",
  "@type": "User",
  "id": 70,
  "email": "dominique.julien@free.fr",
  "roles": [
   "ROLE USER"
  "password": "$2y$13$b2.jgB/Xz/upE.9E3olbKOdvH3Mt6DbqJeMjZbDyNi7go9yuRVEe.",
  "nom": "Julien",
  "prenom": "Dominique",
  "dateInscription": "2023-01-28T16:09:12+00:00",
  "messages": [
   "/forum/api/messages/25"
  "userIdentifier": "dominique.julien@free.fr"
 }
]
```

Commentaires:

"@id": "/forum/api/users/70"

la clé @id représente une URI (Uniform Resource Identifier) unique qui identifie la ressource.

Récupérer qu'un seul utilisateur :

```
curl -X 'GET' \
'http://s3-4987.nuage-peda.fr/forum/api/users/71' \
-H 'accept: application/ld+json'
```

Pagination

Modifier la pagination pour l'ensemble des API

Par défaut, il affiche les 30 premiers éléments de la table. Vous pouvez changer cette valeur par pour toutes les API dans le fichier api_platform.yaml

```
api_platform:
   title: Hello API Platform
   version: 1.0.0
   # Good defaults for REST APIs
   defaults:
      stateless: true
      cache_headers:
      vary: ['Content-Type', 'Authorization', 'Origin']
      extra_properties:
      standard_put: true
      pagination_items_per_page: 5
```

```
curl -X 'GET' \
'https://s3-4987.nuage-peda.fr/forum/api/users?page=1' \
-H 'accept: application/ld+json'
```

Voici le résultat si je limite à 5 le nombre de résultats par page :

```
"@context": "/forum/api/contexts/User",
 "@id": "/forum/api/users",
 "@type": "hydra:Collection",
 "hydra:totalItems": 10,
 "hydra:member": [
   "@id": "/forum/api/users/61",
   "@type": "User",
   "id": 61,
   "email": "xavier.becker@noos.fr",
   "roles": [
    "ROLE USER"
   "password":
"$2y$13$QRpBm3F4RtNGm0Qxl2WxK.CfCn9hb1v7GJ6vpuC0zr3HY4dCSP9Xi",
   "nom": "Becker",
   "prenom": "Xavier",
   "dateInscription": "2023-04-07T14:32:16+00:00",
   "messages": [
    "/forum/api/messages/5",
    "/forum/api/messages/7",
    "/forum/api/messages/13"
   "userIdentifier": "xavier.becker@noos.fr"
  },
   "@id": "/forum/api/users/62",
   "@type": "User",
   "id": 62,
   "email": "thibaut.rodriguez@laposte.net",
   "roles": [
    "ROLE USER"
   "password": "$2y$13$nIUxV9ikoV.V/yE.PKcsdOnSnTpmox1/9iBqCzV53RSYGtrm/Eif2",
   "nom": "Rodriguez",
   "prenom": "Thibaut",
   "dateInscription": "2023-03-02T07:37:10+00:00",
   "messages": [
    "/forum/api/messages/10",
    "/forum/api/messages/23"
   "userIdentifier": "thibaut.rodriguez@laposte.net"
```

```
},
  {
   "@id": "/forum/api/users/63",
   "@type": "User",
   "id": 63,
   "email": "astrid.rousseau@orange.fr",
   "roles": [
    "ROLE_USER"
   ],
   "password":
"$2y$13$7wBFiKlLDr0Y5WmR5nnbz.z5Qh3JpV4ax3swY7jbyOMMoy1Rykeyu",
   "nom": "Rousseau",
   "prenom": "Astrid",
   "dateInscription": "2023-06-19T21:46:00+00:00",
   "messages": [
    "/forum/api/messages/15",
    "/forum/api/messages/16";
    "/forum/api/messages/19",
    "/forum/api/messages/24",
    "/forum/api/messages/27".
    "/forum/api/messages/28"
   "userIdentifier": "astrid.rousseau@orange.fr"
  },
   "@id": "/forum/api/users/64",
   "@type": "User",
   "id": 64,
   "email": "amélie.guillou@noos.fr",
   "roles": [
    "ROLE USER"
   "password": "$2y$13$84tFsHGh7prxbJ/r37hLw.Xfphb4WKsPFRT78nr9ndBrdNswQI0Le",
   "nom": "Guillou",
   "prenom": "Amélie",
   "dateInscription": "2023-07-26T07:32:19+00:00",
   "messages": [
    "/forum/api/messages/4",
    "/forum/api/messages/22"
   "userIdentifier": "amélie.guillou@noos.fr"
  },
   "@id": "/forum/api/users/65",
   "@type": "User",
   "id": 65,
   "email": "léon.marechal@wanadoo.fr",
   "roles": [
    "ROLE USER"
   ],
```

```
"password":
"$2y$13$ek0T9sK5gPFuS6VcFX3vhuNddiDu1.nvBxQJiLW1wzEpgV9OSVYIy",
   "nom": "Marechal",
   "prenom": "Léon",
   "dateInscription": "2023-01-26T10:07:39+00:00",
   "messages": [
    "/forum/api/messages/1",
    "/forum/api/messages/3";
    "/forum/api/messages/6",
    "/forum/api/messages/30"
   "userIdentifier": "léon.marechal@wanadoo.fr"
  }
 ],
 "hydra:view": {
  "@id": "/forum/api/users?page=1",
  "@type": "hydra:PartialCollectionView",
 "hydra:first": "/forum/api/users?page=1",
 "hydra:last": "/forum/api/users?page=2",
 "hydra:next": "/forum/api/users?page=2"
 }
```

Commentaires:

Le résultat me renvoie le nombre total de valeurs dans la table et me donne l'adresse de la première page de résultat, la dernière et la prochaine.

Pagination personnalisée sur chaque entité

```
<?php

namespace App\Entity;

use App\Repository\MessageRepository;
use Doctrine\Common\Collections\ArrayCollection;
use Doctrine\Common\Collections\Collection;
use Doctrine\DBAL\Types\Types;
use Doctrine\ORM\Mapping as ORM;
use ApiPlatform\Metadata\ApiResource;

#[ApiResource(paginationItemsPerPage: 10)]
#[ORM\Entity(repositoryClass: MessageRepository::class)]
class Message</pre>
```

Commentaire:

Nous aurons au maximum 10 messages par page.

Désactiver la pagination

Nous pouvons désactiver la pagination et tout renvoyer. Ce qui n'est pas forcement intéressant suivant le volume de données.

```
api_platform:
   defaults:
    pagination_enabled: false
```

Les Groups

```
<?php
namespace App\Entity;
use App\Repository\UserRepository;
use Doctrine\Common\Collections\ArrayCollection;
use Doctrine\Common\Collections\Collection;
use Doctrine\DBAL\Types\Types;
use Doctrine\ORM\Mapping as ORM;
use Symfony\Component\Security\Core\User\PasswordAuthenticatedUserInterface;
use Symfony\Component\Security\Core\User\UserInterface;
use ApiPlatform\Metadata\ApiResource;
use Symfony\Component\Serializer\Annotation\Groups;
use ApiPlatform\Metadata\Get;
use ApiPlatform\Metadata\GetCollection;
use ApiPlatform\Metadata\Patch;
use ApiPlatform\Metadata\Delete;
use ApiPlatform\Metadata\Post;
use ApiPlatform\Metadata\Put;
#[ApiResource(operations: [
       new GetCollection(normalizationContext: ['groups' => 'user:list']),
       new Post(),
       new Get(normalizationContext: ['groups' => 'user:item']),
       new Put(),
      new Patch(),
      new Delete(),
    ],)]
#[ORM\Entity(repositoryClass: UserRepository::class)]
class User implements UserInterface, PasswordAuthenticatedUserInterface
{
  #[ORM\Id]
  #[ORM\GeneratedValue]
  #[ORM\Column]
  #[Groups(['user:list', 'user:item'])]
  private ?int $id = null;
```

```
#[ORM\Column(length: 180, unique: true)]
#[Groups(['user:item'])]
private ?string $email = null;
#[ORM\Column]
private array $roles = [];
* @var string The hashed password
*/
#[ORM\Column]
private ?string $password = null;
#[ORM\Column(length: 30)]
#[Groups(['user:list', 'user:item'])]
private ?string $nom = null;
#[ORM\Column(length: 30)]
#[Groups(['user:list', 'user:item'])]
private ?string $prenom = null;
#[ORM\Column(type: Types::DATETIME_MUTABLE)]
private ?\DateTimeInterface $dateInscription = null;
#[ORM\OneToMany(mappedBy: 'user', targetEntity: Message::class, orphanRemoval: true)]
private Collection $messages;
public function __construct()
  $this->messages = new ArrayCollection();
}
public function getId(): ?int
  return $this->id;
}
public function getEmail(): ?string
  return $this->email;
}
public function setEmail(string $email): static
  $this->email = $email;
  return $this;
}
```

```
* A visual identifier that represents this user.
* @see UserInterface
public function getUserIdentifier(): string
  return (string) $this->email;
}
* @see UserInterface
public function getRoles(): array
  $roles = $this->roles;
  // guarantee every user at least has ROLE_USER
  $roles[] = 'ROLE_USER';
  return array_unique($roles);
}
public function setRoles(array $roles): static
  $this->roles = $roles;
  return $this;
}
* @see PasswordAuthenticatedUserInterface
public function getPassword(): string
  return $this->password;
public function setPassword(string $password): static
  $this->password = $password;
  return $this;
}
* @see UserInterface
public function eraseCredentials(): void
  // If you store any temporary, sensitive data on the user, clear it here
```

```
// $this->plainPassword = null;
}
public function getNom(): ?string
  return $this->nom;
public function setNom(string $nom): static
  $this->nom = $nom;
  return $this;
}
public function getPrenom(): ?string
  return $this->prenom;
public function setPrenom(string $prenom): static
  $this->prenom = $prenom;
  return $this;
}
public function getDateInscription(): ?\DateTimeInterface
  return $this->dateInscription;
public function setDateInscription(\DateTimeInterface $dateInscription): static
  $this->dateInscription = $dateInscription;
  return $this;
}
 * @return Collection<int, Message>
public function getMessages(): Collection
  return $this->messages;
public function addMessage(Message $message): static
  if (!$this->messages->contains($message)) {
```

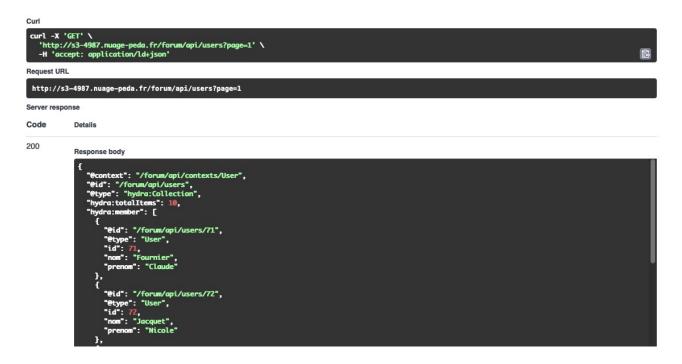
```
$this->messages->add($message);
$message->setUser($this);
}

return $this;
}

public function removeMessage(Message $message): static
{
   if ($this->messages->removeElement($message)) {
      // set the owning side to null (unless already changed)
      if ($message->getUser() === $this) {
            $message->setUser(null);
            }
      }

      return $this;
}
```

Lorsque j'appelle l'api GET /users je ne vois pas les emails dans le résultat



Lorsque j'appelle l'api GET /users/71 l'email apparaît bien dans le résultat

```
Curl -X 'GET' \
    'http://s3-4987.nuage-peda.fr/forum/api/users/71' \
    -H 'accept: application/ld+json'

Request URL

http://s3-4987.nuage-peda.fr/forum/api/users/71

Server response

Code    Detalls

200    Response body

{
        "econtext": "/forum/api/contexts/User",
        "eid": "/forum/api/users/71",
        "etid": 7.
        "email": "claude.fourniereclub-internet.fr",
        "nom": "Fournier",
        "prenom": "Claude"
}

Download
```

```
<?php
namespace App\Entity;
use App\Repository\MessageRepository;
use Doctrine\Common\Collections\ArrayCollection;
use Doctrine\Common\Collections\Collection;
use Doctrine\DBAL\Types\Types;
use Doctrine\ORM\Mapping as ORM;
use ApiPlatform\Metadata\ApiResource;
use Symfony\Component\Serializer\Annotation\Groups;
use ApiPlatform\Metadata\Get;
use ApiPlatform\Metadata\GetCollection;
use ApiPlatform\Metadata\Patch;
use ApiPlatform\Metadata\Delete;
use ApiPlatform\Metadata\Post;
use ApiPlatform\Metadata\Put;
#[ApiResource(paginationItemsPerPage: 10,operations: [
  new GetCollection(normalizationContext: ['groups' => 'message:list']),
 new Post(),
 new Get(normalizationContext: ['groups' => 'message:item']),
 new Put(),
 new Patch(),
 new Delete(),
],)]
#[ORM\Entity(repositoryClass: MessageRepository::class)]
class Message
{
  #[ORM\Id]
  #[ORM\GeneratedValue]
  #[ORM\Column]
```

```
#[Groups(['message:list', 'message:item'])]
private ?int $id = null;
#[ORM\Column(length: 50)]
#[Groups(['message:list', 'message:item'])]
private ?string $titre = null;
#[ORM\Column(type: Types::DATETIME_MUTABLE)]
#[Groups(['message:list', 'message:item'])]
private ?\DateTimeInterface $datePoste = null;
#[ORM\Column(type: Types::TEXT)]
#[Groups(['message:list', 'message:item'])]
private ?string $contenu = null;
#[ORM\ManyToOne(inversedBy: 'messages')]
#[ORM\JoinColumn(nullable: false)]
#[Groups(['message:list', 'message:item'])]
private ?User $user = null;
#[ORM\ManyToOne(targetEntity: self::class, inversedBy: 'messages')]
#[ORM\JoinColumn(nullable: true)]
#[Groups(['message:list', 'message:item'])]
private ?self $parent = null;
#[ORM\OneToMany(mappedBy: 'parent', targetEntity: self::class, orphanRemoval: true)]
private Collection $messages;
public function __construct()
  $this->messages = new ArrayCollection();
}
public function getId(): ?int
  return $this->id;
}
public function getTitre(): ?string
  return $this->titre;
}
public function setTitre(string $titre): static
  $this->titre = $titre:
  return $this;
}
```

```
public function getDatePoste(): ?\DateTimeInterface
  return $this->datePoste;
public function setDatePoste(\DateTimeInterface $datePoste): static
   $this->datePoste = $datePoste;
  return $this;
}
public function getContenu(): ?string
  return $this->contenu;
public function setContenu(string $contenu): static
  $this->contenu = $contenu;
  return $this;
}
public function getUser(): ?User
  return $this->user;
public function setUser(?User $user): static
  $this->user = $user;
  return $this;
public function getParent(): ?self
  return $this->parent;
public function setParent(?self $parent): static
   $this->parent = $parent;
  return $this;
}
* @return Collection<int, self>
```

```
public function getMessages(): Collection
  return $this->messages;
}
public function addMessage(self $message): static
  if (!$this->messages->contains($message)) {
    $this->messages->add($message);
     $message->setParent($this);
  return $this;
}
public function removeMessage(self $message): static
  if ($this->messages->removeElement($message)) {
    // set the owning side to null (unless already changed)
    if ($message->getParent() === $this) {
       $message->setParent(null);
  }
  return $this;
}
```

http://s3-4987.nuage-peda.fr/forum/api/messages?page=1

```
{
    "@id": "/forum/api/messages/13",
    "etype": "Message",
    "id": 13,
    "titre": "In atque rerum.",
    "datePoste": "2023-04-20713:36:35:00:00",
    "contenu": "Perferendis eos est totam dolorem illo. Hic aut aliquid excepturi vero qui qui. Aut repellendus a exercitationem ullam dolore labore hic ab.",
    "user": "/forum/api/users/78",
    "parent": {
        "eid": "/forum/api/users/78",
        "ëtype": "Message",
        "id": 7,
        "titre": "Nostrum nesciunt esse cumque.",
        "datePoste": "2023-01-18702:29:33+00:00",
        "contenu": "Rerum voluptatum ipsam ut qui et. Rem fuga eos qui velit natus. Ratione aut eius dignissimos dolore ullam. Excepturi explicabo omnis suscipit v
elit.",
        "user": "/forum/api/users/76"
    }
},
```

Commentaires:

Nous voyons le détail du message parent. En revanche, nous ne voyons pas le détail de l'utilisateur.

```
<?php
namespace App\Entity;</pre>
```

```
use App\Repository\UserRepository;
use Doctrine\Common\Collections\ArravCollection;
use Doctrine\Common\Collections\Collection;
use Doctrine\DBAL\Types\Types;
use Doctrine\ORM\Mapping as ORM;
use Symfony\Component\Security\Core\User\PasswordAuthenticatedUserInterface;
use Symfony\Component\Security\Core\User\UserInterface;
use ApiPlatform\Metadata\ApiResource;
use Symfony\Component\Serializer\Annotation\Groups;
use ApiPlatform\Metadata\Get;
use ApiPlatform\Metadata\GetCollection;
use ApiPlatform\Metadata\Patch;
use ApiPlatform\Metadata\Delete;
use ApiPlatform\Metadata\Post;
use ApiPlatform\Metadata\Put;
#[ApiResource(operations: [
       new GetCollection(normalizationContext: ['groups' => 'user:list']),
       new Get(normalizationContext: ['groups' => 'user:item']),
       new Put(),
       new Patch(),
       new Delete(),
    1,)]
#[ORM\Entity(repositoryClass: UserRepository::class)]
class User implements UserInterface, PasswordAuthenticatedUserInterface
{
  #[ORM\Id]
  #[ORM\GeneratedValue]
  #[ORM\Column]
  #[Groups(['user:list', 'user:item'])]
  private ?int $id = null;
  #[ORM\Column(length: 180, unique: true)]
  #[Groups(['user:item'])]
  private ?string $email = null;
  #[ORM\Column]
  private array $roles = [];
  * @var string The hashed password
  #[ORM\Column]
  private ?string $password = null;
  #[ORM\Column(length: 30)]
  #[Groups(['user:list', 'user:item', 'message:list', 'message:item'])]
```

```
private ?string $nom = null;

#[ORM\Column(length: 30)]
#[Groups(['user:list', 'user:item', 'message:list', 'message:item'])]
private ?string $prenom = null;
```

```
"datePoste": "2023-09-15T19:13:37+00:00",
    "contenu": "Dicta deleniti est tempore iste unde alias non. Nostrum sequi quia amet at. Voluptate deserunt a nam nulla illum magni illo. Quo rerum quia debit is reiciendis et quis.",
    "user": {
        "eid": "/forum/api/users/71",
        "type": "User",
        "nom: "Fourmier",
        "parent": {
        "eid": "/forum/api/messages/4",
        "etype": "Message",
        "id": 4,
        "titre": "Unde recusandae est.",
        "datePoste": "2023-01-03T11:27:39+00:00",
        "contenu": "Eaque sed et quam. Sapiente consectetur est nobis et officiis quas minima. Et beatae qui consequatur rem tenetur.",
        "user": {
        "eid": "/forum/api/users/76",
        "etype": "User",
        "nom": "Evrand",
        "prenom": "Sébastien"
    }
},

Download
```

Commentaire:

Nous avons maintenant le détail de l'utilisateur.

Les filtres

Recherches

```
<?php
namespace App\Entity;
use App\Repository\UserRepository;
use Doctrine\Common\Collections\ArrayCollection;
use Doctrine\Common\Collections\Collection;
use Doctrine\DBAL\Types\Types;
use Doctrine\ORM\Mapping as ORM;
use Symfony\Component\Security\Core\User\PasswordAuthenticatedUserInterface;
use Symfony\Component\Security\Core\User\UserInterface;
use ApiPlatform\Metadata\ApiResource;
use Symfony\Component\Serializer\Annotation\Groups;
use ApiPlatform\Metadata\Get;
use ApiPlatform\Metadata\GetCollection;
use ApiPlatform\Metadata\Patch;
use ApiPlatform\Metadata\Delete;
use ApiPlatform\Metadata\Post;
use ApiPlatform\Metadata\Put;
use ApiPlatform\Metadata\ApiFilter;
use ApiPlatform\Doctrine\Orm\Filter\SearchFilter;
```

Commentaires:

Lorsque nous recherchons un utilisateur avec la propriété « exact », il est nécessaire de mettre sa valeur complète alors que « partial » signifie qu'il est inutile de connaître la valeur complète.

Exemple : Liste des tous les utilisateurs qui possèdent un « s » dans leur prénom

```
curl -X 'GET' \
'http://s3-4987.nuage-peda.fr/forum/api/users?page=1&prenom=s' \
-H 'accept: application/ld+json'
```

Nous pouvons combiner les filtres.

Exemple : cherchons un utilisateur qui a un « s » dans on prénom et dont le nom est « Evrard ».

http://s3-4987.nuage-peda.fr/forum/api/users?page=1&nom=Evrard&prenom=s

Chercher tous les messages d'un utilisateur donné en paramètre

```
<?php
namespace App\Entity;
use App\Repository\MessageRepository;
use Doctrine\Common\Collections\ArrayCollection;
use Doctrine\Common\Collections\Collection;
use Doctrine\DBAL\Types\Types;
use Doctrine\ORM\Mapping as ORM;
use ApiPlatform\Metadata\ApiResource;
use Symfony\Component\Serializer\Annotation\Groups;
use ApiPlatform\Metadata\Get;
use ApiPlatform\Metadata\GetCollection;
use ApiPlatform\Metadata\Patch;
use ApiPlatform\Metadata\Delete;
use ApiPlatform\Metadata\Post;
use ApiPlatform\Metadata\Put;
use ApiPlatform\Metadata\ApiFilter;
use ApiPlatform\Doctrine\Orm\Filter\SearchFilter;
#[ApiResource(paginationItemsPerPage: 10,operations: [
  new GetCollection(normalizationContext: ['groups' => 'message:list']),
  new Post(),
  new Get(normalizationContext: ['groups' => 'message:item']),
  new Put(),
  new Patch(),
  new Delete(),
#[ApiFilter(SearchFilter::class, properties: ['user' => 'exact'])]
```

 $curl - X 'GET' \setminus 'http://s3-4987.nuage-peda.fr/forum/api/messages?page=1 \& user=71' \setminus -H 'accept: application/ld+json'$

Tri

```
<?php
namespace App\Entity;
use App\Repository\MessageRepository;
use Doctrine\Common\Collections\ArrayCollection;
use Doctrine\Common\Collections\Collection;
use Doctrine\DBAL\Types\Types;
use Doctrine\ORM\Mapping as ORM;
use ApiPlatform\Metadata\ApiResource;
use Symfony\Component\Serializer\Annotation\Groups;
use ApiPlatform\Metadata\Get;
use ApiPlatform\Metadata\GetCollection;
use ApiPlatform\Metadata\Patch;
use ApiPlatform\Metadata\Delete;
use ApiPlatform\Metadata\Post;
use ApiPlatform\Metadata\Put;
use ApiPlatform\Metadata\ApiFilter;
use ApiPlatform\Doctrine\Orm\Filter\SearchFilter;
use ApiPlatform\Doctrine\Orm\Filter\OrderFilter;
#[ApiResource(paginationItemsPerPage: 10,operations: [
  new GetCollection(normalizationContext: ['groups' => 'message:list']),
  new Post(),
  new Get(normalizationContext: ['groups' => 'message:item']),
  new Put(),
  new Patch(),
 new Delete(),
],)]
#[ApiFilter(SearchFilter::class, properties: ['user' => 'exact'])]
#[ApiFilter(OrderFilter::class, properties: ['id' => 'ASC', 'titre' => 'DESC'])]
```

```
curl -X 'GET' \
   'http://s3-4987.nuage-peda.fr/forum/api/messages?page=1&order%5Bid%5D=asc&order
%5Btitre%5D=desc' \
   -H 'accept: application/ld+json'
```

Il existe énormément de filtres. Vous pouvez accéder à la documentation officielle ici https://api-platform.com/docs/core/filters/

Gestion des droits d'accès

composer req lexik/jwt-authentication-bundle

```
php bin/console lexik:jwt:generate-keypair
```

Copier le bloc qui ressemble à celui-ci du .env au .env.local

```
###> lexik/jwt-authentication-bundle ###

JWT_SECRET_KEY=%kernel.project_dir%/config/jwt/private.pem

JWT_PUBLIC_KEY=%kernel.project_dir%/config/jwt/public.pem

JWT_PASSPHRASE=53803e4d703e90b0c93346542f5dd5556e94df3b3b1256fe56148c1b0de2a45

5

###< lexik/jwt-authentication-bundle ###
```

Dans config/packages/lexik_jwt_authentication.yaml

```
lexik_jwt_authentication:
secret_key: '%env(resolve:JWT_SECRET_KEY)%'
public_key: '%env(resolve:JWT_PUBLIC_KEY)%'
pass_phrase: '%env(JWT_PASSPHRASE)%'
token_ttl: 3600
```

Dans config/routes.yaml

```
authentication_token:
    path: /api/authentication_token
    methods: ['POST']
```

php bin/console debug:router

config/packages/security.yaml

```
main:

provider: app_user_provider

pattern: ^/api

stateless: true

json_login:

username_path: email

check_path: /api/authentication_token

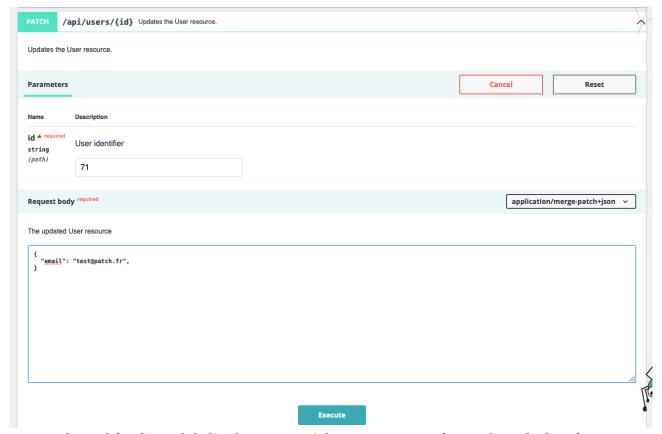
success_handler: lexik_jwt_authentication.handler.authentication_success

failure_handler: lexik_jwt_authentication.handler.authentication_failure

jwt: ~
```

```
use ApiPlatform\Metadata\Put;
use ApiPlatform\Metadata\ApiFilter;
use ApiPlatform\Doctrine\Orm\Filter\SearchFilter;
```

```
#[ApiResource(operations: [
    new GetCollection(normalizationContext: ['groups' => 'user:list']),
    new Post(),
    new Get(normalizationContext: ['groups' => 'user:item']),
    new Put(),
    new Patch(security: "is_granted('ROLE_ADMIN') or object == user"),
    new Delete(),
    ],)]
```



Je tente de modifier l'email de l'utilisateur 71. Adaptez par rapport à votre base de données.

```
curl -X 'PATCH' \
    'http://s3-4987.nuage-peda.fr/forum/api/users/71' \
    -H 'accept: application/ld+json' \
    -H 'Content-Type: application/merge-patch+json' \
    -d '{
        "email": "test@patch.fr",
    }'
```

Voici le résultat :



Commentaire:

L'utilisation de l'API étant protégé, il envoie une erreur 401 car le token n'a pas été trouvé.

Dans /src/OpenApi/JwtDecorator.php

```
<?php
// api/src/OpenApi/JwtDecorator.php
declare(strict_types=1);
namespace App\OpenApi;
use ApiPlatform\OpenApi\Factory\OpenApiFactoryInterface;
use ApiPlatform\OpenApi\OpenApi;
use ApiPlatform\OpenApi\Model;
final class JwtDecorator implements OpenApiFactoryInterface
  public function __construct(
    private OpenApiFactoryInterface $decorated
  ) {}
  public function __invoke(array $context = []): OpenApi
    $openApi = ($this->decorated)($context);
    $schemas = $openApi->getComponents()->getSchemas();
    $schemas['Token'] = new \ArrayObject([
       'type' => 'object',
       'properties' => [
         'token' => [
            'type' => 'string',
            'readOnly' => true,
         ],
       ],
    ]);
    $schemas['Credentials'] = new \ArrayObject([
```

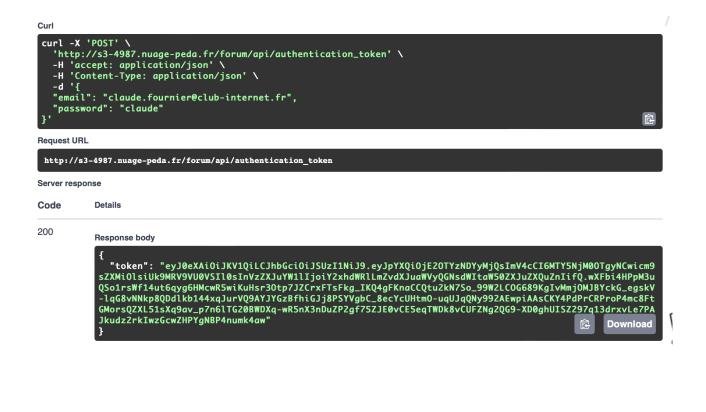
```
'type' => 'object',
  'properties' => [
     'email' => [
       'type' => 'string',
       'example' => 'johndoe@example.com',
     ],
     'password' => [
       'type' => 'string',
       'example' => 'apassword',
    ],
  ],
]);
$schemas = $openApi->getComponents()->getSecuritySchemes() ?? [];
$schemas['JWT'] = new \ArrayObject([
  'type' => 'http',
  'scheme' => 'bearer',
  'bearerFormat' => 'JWT',
1);
$pathItem = new Model\PathItem(
  ref: 'JWT Token',
  post: new Model\Operation(
     operationId: 'postCredentialsItem',
     tags: ['Token'],
     responses: [
       '200' => [
          'description' => 'Get JWT token',
          'content' => [
            'application/json' => [
               'schema' => [
                 '$ref' => '#/components/schemas/Token',
               ],
            ],
          ],
       ],
     ],
     summary: 'Get JWT token to login.',
     requestBody: new Model\RequestBody(
       description: 'Generate new JWT Token',
       content: new \ArrayObject([
          'application/json' => [
            'schema' => [
               '$ref' => '#/components/schemas/Credentials',
            ],
          ],
       ]),
     ),
     security: [],
  ),
);
```

```
$openApi->getPaths()->addPath('/authentication_token', $pathItem);
return $openApi;
}
```

Dans config/services.yaml:

```
# This file is the entry point to configure your own services.
# Files in the packages/ subdirectory configure your dependencies.
# Put parameters here that don't need to change on each machine where the app is deployed
# https://symfony.com/doc/current/best_practices.html#use-parameters-for-application-
configuration
parameters:
services:
  # default configuration for services in *this* file
  defaults:
                      # Automatically injects dependencies in your services.
     autowire: true
     autoconfigure: true # Automatically registers your services as commands, event subscribers,
etc.
  # makes classes in src/ available to be used as services
  # this creates a service per class whose id is the fully-qualified class name
  App\:
    resource: '../src/'
     exclude:
       - '../src/DependencyInjection/'
       - '../src/Entity/'
       - '../src/Kernel.php'
  App\OpenApi\JwtDecorator:
    decorates: 'api_platform.openapi.factory'
     arguments: ['@.inner']
  # add more service definitions when explicit configuration is needed
  # please note that last definitions always *replace* previous ones
```

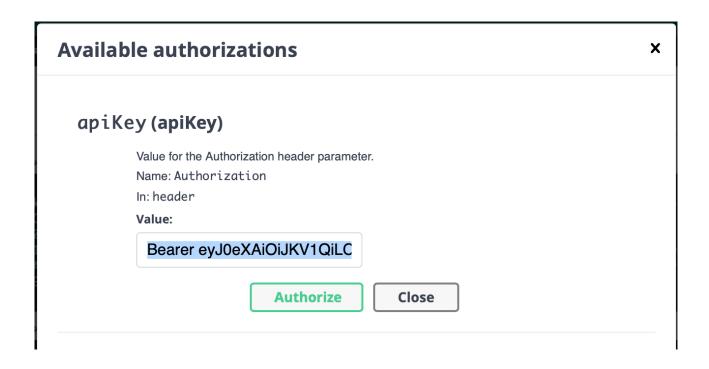


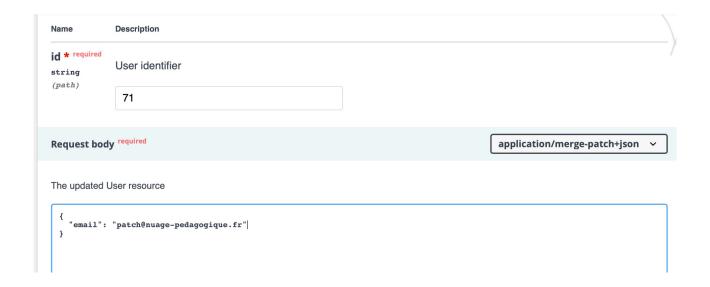


Authorize

config/packages/api_platform.yaml

```
api_platform:
  title: Hello API Platform
  version: 1.0.0
  # Good defaults for REST APIs
  defaults:
    stateless: true
    cache_headers:
       vary: ['Content-Type', 'Authorization', 'Origin']
    extra_properties:
       standard_put: true
    normalization_context:
       skip_null_values: true
  swagger:
    api_keys:
       apiKey:
         name: Authorization
         type: header
```





```
Curl
 curl -X 'PATCH' \
   'http://s3-4987.nuage-peda.fr/forum/api/users/71' \
-H 'accept: application/ld+json' \
      'Authorization: Bearer eyJ0eXAiOiJKV1QiLCJhbGciOiJSUzI1NiJ9.eyJpYXQiOjE2OTYzNDc1NzEsImV4cCI6MTY5NjM1MTE3MSv
'Content-Type: application/merge-patch+json' \
   "email": "patch@nuage-pedagogique.fr"
Request URL
 http://s3-4987.nuage-peda.fr/forum/api/users/71
Server response
Code
            Details
200
            Response body
                "@context": "/forum/api/contexts/User",
                "@id": "/forum/api/users/71",
"@type": "User",
                 "id": 71,
"email": "patch@nuage-pedagogique.fr",
"roles": [
"ROLE_USER"
                 "password": "$2y$13$8wcqLKayBaARJBTwB8zLNOH9eaQTkwock8cEiqFUtuK4nKvSGFkly",
                 "nom": "Fournier"
                  dateInscription": "2023-04-10T07:18:37+00:00"
```

Chiffre le mot de passe lors d'une inscription :

php bin/console make:state-processor et taper UserStateProcessor

src/State/UserStateProcessor.php

```
<?php namespace App\State;
// https://api-platform.com/docs/core/state-processors/
use ApiPlatform\State\ProcessorInterface;
use ApiPlatform\Metadata\Operation;
use App\Entity\User;
use Symfony\Component\PasswordHasher\Hasher\UserPasswordHasherInterface;

class UserStateProcessor implements ProcessorInterface {
    private $passwordHasher;
    private $decorated;

    public function __construct(private ProcessorInterface $persistProcessor,
    UserPasswordHasherInterface $passwordHasher) {
        $this->passwordHasher = $passwordHasher;
    }
}
```

config/services.yaml

```
App\State\UserStateProcessor:
bind:
$persistProcessor: '@api_platform.doctrine.orm.state.persist_processor'
```

```
src/Entity/User
```

```
<?php
namespace App\Entity;
use App\Repository\UserRepository;
use Doctrine\Common\Collections\ArrayCollection;
use Doctrine\Common\Collections\Collection;
use Doctrine\DBAL\Types\Types;
use Doctrine\ORM\Mapping as ORM;
use Symfony\Component\Security\Core\User\PasswordAuthenticatedUserInterface;
use Symfony\Component\Security\Core\User\UserInterface;
use ApiPlatform\Metadata\ApiResource;
use Symfony\Component\Serializer\Annotation\Groups;
use ApiPlatform\Metadata\Get:
use ApiPlatform\Metadata\GetCollection;
use ApiPlatform\Metadata\Patch;
use ApiPlatform\Metadata\Delete;
use ApiPlatform\Metadata\Post;
use ApiPlatform\Metadata\Put;
use ApiPlatform\Metadata\ApiFilter;
use ApiPlatform\Doctrine\Orm\Filter\SearchFilter;
use App\State\UserStateProcessor;
#[ApiResource(
       operations: [
```

```
new GetCollection(normalizationContext: ['groups' => 'user:list']),
    new Post(processor: UserStateProcessor::class),
    new Get(normalizationContext: ['groups' => 'user:item']),
    new Put(),
    new Patch(security: "is_granted('ROLE_ADMIN') or object == user"),
    new Delete(),
],)]
```

Recevoir des données avec l'authentification

Introduction

Dans le chapitre précédent, nous avons réussi à nous authentifier et à utiliser des API protégées. La communication se réalise avec un token. Nous allons voir dans ce chapitre, la méthode permettant de récupérer des données supplémentaires concernant l'utilisateur qui s'est authentifié.

A. Mise en place d'un écouteur d'événement

Symfony permet de gérer et de créer des événements, c'est-à-dire des situations qui ont lieu sur le site (une connexion, une inscription, etc.).

Les créateurs du package « LexikJWTAuthenticationBundle » fournissent un certain nombre d'événements. Par exemple, le moment où l'authentification a échoué ou au contraire a réussi. Vous pouvez jeter un œil dans la documentation suivante pour plus de détail : LexikJWTAuthenticationBundle

Afin de déterminer qu'un événement se produit, nous devons créer un écouteur(« Listener »). C'est celui qui nous prévient. Dans notre cas, après une authentification réussie, c'est le moment d'y ajouter des données supplémentaires. Ainsi, nous allons écrire le code qui s'occupe de compléter l'envoi du token en écrivant une nouvelle classe et une méthode qui fera ce travail.

Dans votre répertoire « src », créez le répertoire « EventListener », qui nous permettra d'ajouter une classe par événement que nous souhaitons écouter.

À l'intérieur de ce répertoire, créez le fichier « AuthenticationSuccessListener.php ». src/EventListener/AuthenticationSuccessListener.php

```
<?php

namespace App\EventListener;
use Symfony\Component\Security\Core\User\UserInterface;
use Lexik\Bundle\JWTAuthenticationBundle\Event\AuthenticationSuccessEvent;

class AuthenticationSuccessListener{
    /**</pre>
```

```
* @param AuthenticationSuccessEvent $event
*/
public function onAuthenticationSuccessResponse(AuthenticationSuccessEvent $event)
{
    $data = $event->getData();
    $user = $event->getUser();

if (!$user instanceof UserInterface) {
    return;
}

$data['data'] = array(
    'roles' => $user->getRoles(),
    'id' => $user->getId(),
    'nom' => $user->getPrenom(),
    'prenom' => $user->getPrenom(),
);

$event->setData($data);
}
}
```

Commentaires:

\$data = \$event->getData(); // permet de récupérer un tableau de données lié à l'événement qui a eu lieu. Nous le stockons dans la variable \$data

\$user = \$event->getUser(); // Nous récupérons les données concernant l'utilisateur connecté.

if (!\$user instanceof UserInterface) { // Nous vérifions que l'utilisateur récupéré est bien une instance de UserInterface. Dans le cas contraire, nous quittons cette méthode.

\$data['data'] = array(// permet de créer une clé « data » dans le tableau « \$data ».

Cette clé permet la création d'un tableau dans lequel nous stockons les rôles de l'utilisateur, son identifiant, son nom et son prénom.

\$event->setData(\$data); // nous retournons les données complétées à l'événement.

B. Configuration du service

Maintenant que nous avons écrit notre événement, nous devons lui dire de se lancer dans le cas où une authentification s'exécute avec succès.

Dans le fichier « config/services.yaml »:

```
services:
    acme_api.event.authentication_success_listener:
    class: App\EventListener\AuthenticationSuccessListener
    tags:
    - { name: kernel.event_listener, event: lexik_jwt_authentication.on_authentication_success, method: onAuthenticationSuccessResponse }
```

Commentaires:

acme_api.event.authentication_success_listener: // nom du service à exécuter, c'est un identifiant qui doit être unique

class: App\EventListener\AuthenticationSuccessListener // e chemin vers votre nouvelle classe

name: kernel.event_listener // nom du gestionnaire d'événements

"event »: lexik_jwt_authentication.on_authentication_success // événement du package lorsque l'authentification s'est bien déroulée.

method: onAuthenticationSuccessResponse // nom de la méthode qu'il faut exécuter

Vous pouvez vérifier que votre écouteur est bien enregistré en exécutant la ligne suivante :

php bin/console debug:event-dispatcher

| #1 | Nelmio\CorsBundle\EventListener\CorsListener::onKernelResponse() | 0 |
|-----|---|-------|
| #2 | Nelmio\CorsBundle\EventListener\CacheableResponseVaryListener::onResponse() | 0 |
| #3 | ApiPlatform\Core\Hydra\EventListener\AddLinkHeaderListener::onKernelResponse() | 0 |
| #4 | Symfony\Component\HttpKernel\EventListener\ResponseListener::onKernelResponse() | 0 |
| #5 | Symfony\Component\WebLink\EventListener\AddLinkHeaderListener::onKernelResponse() | 0 |
| #6 | Symfony\Component\Security\Http\RememberMe\ResponseListener::onKernelResponse() | 0 |
| #7 | ApiPlatform\Core\HttpCache\EventListener\AddHeadersListener::onKernelResponse() | -1 |
| #8 | Symfony\Component\HttpKernel\EventListener\ErrorListener::removeCspHeader() | -128 |
| #9 | Symfony\Component\HttpKernel\EventListener\DisallowRobotsIndexinqListener::onResponse() | -255 |
| #10 | Symfony\Component\HttpKernel\EventListener\SessionListener::onKernelResponse() | -1000 |
| #11 | Symfony\Component\HttpKernel\EventListener\StreamedResponseListener::onKernelResponse() | -1024 |
| | | |

"kernel.view" event

| 0rder | Callable | Priority |
|-------|---|----------|
| #1 | ApiPlatform\Core\Validator\EventListener\ValidateListener::onKernelView() | 64 |
| #2 | ApiPlatform\Core\EventListener\WriteListener::onKernelView() | 32 |
| #3 | ApiPlatform\Core\EventListener\SerializeListener::onKernelView() | 16 |
| #4 | ApiPlatform\Core\EventListener\RespondListener::onKernelView() | 8 |
| | | |

"lexik_jwt_authentication.on_authentication_success" event

| 0rder | Callable | Priority |
|-------|--|----------|
| | | |
| #1 | lem:lem:lem:lem:lem:lem:lem:lem:lem:lem: | 0 |
| | | |

C. Vérification

Vous pouvez maintenant vérifier que l'événement fonctionne en vous rendant sur le catalogue des API. Connectez-vous en indiquant un email et un mot de passe.



Voici un exemple de réponse :

Commentaires:

Vous voyez la clé « token » comme dans le chapitre 2 et la clé « data ». Dans celle-ci, vous retrouvez les données supplémentaires souhaitées.