

# EXOSALARIÉS @ SYMFONY

## INSTALLATION ET CONFIGURATION DU PROJET

### CRÉATION DE L'ARBORESCENCE SYMFONY

```
C: \Laragon\www\Jean-Michel\Symfony
> symfony new ExoSalaries --full
* Creating a new Symfony project with Composer
  (running C: \ProgramData\ComposerSetup\bin\composer.phar create-project symfony/website-skeleton F: \Laragon\www\Jean-Michel\Symfony\ExoSalaries)

* Setting up the project under Git version control
  (running git init F: \Laragon\www\Jean-Michel\Symfony\ExoSalaries)
```

```
[OK] Your project is now ready in F: \Laragon\www\Jean-Michel\Symfony\ExoSalaries
```

```
C: \Laragon\www\Jean-Michel\Symfony
> cd ExoSalaries

C: \Laragon\www\Jean-Michel\Symfony\ExoSalaries (master)
>
```

### MISE À JOUR DE L'ENVIRONNEMENT POUR LIEN AVEC LA BASE DE DONNÉES (FICHIER ".ENV")

```
# In all environments, the following files are loaded if they exist,
# the latter taking precedence over the former:
#
# * .env                contains default values for the environment variables needed by the app
# * .env.local          uncommitted file with local overrides
# * .env.SAPP_ENV       committed environment-specific defaults
# * .env.SAPP_ENV.local uncommitted environment-specific overrides
#
# Real environment variables win over .env files.
#
# DO NOT DEFINE PRODUCTION SECRETS IN THIS FILE NOR IN ANY OTHER COMMITTED FILES.
#
# Run "composer dump-env prod" to compile .env files for production use (requires symfony/flex >=1.2).
# https://symfony.com/doc/current/best_practices.html#use-environment-variables-for-infrastructure-configuration

###> symfony/framework-bundle ###
APP_ENV=dev
APP_SECRET=0844b1e281a81a0ca8fe0c3b926912aa
#TRUSTED_PROXIES=127.0.0.0/8, 10.0.0.0/8, 172.16.0.0/12, 192.168.0.0/16
#TRUSTED_HOSTS='^(localhost|example\..com)$'
###< symfony/framework-bundle ###

###> doctrine/doctrine-bundle ###
# Format described at https://www.doctrine-project.org/projects/doctrine-dbal/en/latest/reference/configuration.html#connecting-using-a-url
# For an SQLite database, use: "sqlite://%kernel.project_dir%/var/data.db"
# For a PostgreSQL database, use:
"postgresql://db_user:db_password@127.0.0.1:5432/db_name?serverVersion=11&charset=utf8"
# IMPORTANT: You MUST configure your server version, either here or in
config/packages/doctrine.yaml
DATABASE_URL=mysql://root:@127.0.0.1:3306/exoSalaries?serverVersion=5.7
###< doctrine/doctrine-bundle ###

###> symfony/mailer ###
# MAILER_DSN=smtplib://localhost
###< symfony/mailer ###
```

### CRÉATION DE LA BASE DE DONNÉES

```
C: \Laragon\www\Jean-Michel\Symfony\ExoSalaries (master)
> php bin/console doctrine:database:create
Created database `exoSalaries` for connection named default
```

## CRÉATION DES ENTITÉS, DES CONTRÔLEURS ET DES REPOSITORIES ASSOCIÉS

### CRÉATION DES ENTITES

#### ENTITE SALARIE

```
C:\Laragon\www\Jean-Michel\Symfony\ExoSalaire (master)
> php bin/console make:entity

Class name of the entity to create or update (e.g. OrangeElephant):
> Salarie
Salarie

created: src/Entity/Salarie.php
created: src/Repository/SalarieRepository.php

Entity generated! Now let's add some fields!
You can always add more fields later manually or by re-running this command.

New property name (press <return> to stop adding fields):
> nom

Field type (enter ? to see all types) [string]:
>

Field length [255]:
> 50

Can this field be null in the database (nullable) (yes/no) [no]:
>

updated: src/Entity/Salarie.php

Add another property? Enter the property name (or press <return> to stop adding fields):
> prenom

Field type (enter ? to see all types) [string]:
>

Field length [255]:
> 20

Can this field be null in the database (nullable) (yes/no) [no]:
>

updated: src/Entity/Salarie.php

Add another property? Enter the property name (or press <return> to stop adding fields):
> dateNaissance

Field type (enter ? to see all types) [string]:
> date
date

Can this field be null in the database (nullable) (yes/no) [no]:
>

updated: src/Entity/Salarie.php

Add another property? Enter the property name (or press <return> to stop adding fields):
> adresse

Field type (enter ? to see all types) [string]:
>

Field length [255]:
> 50

Can this field be null in the database (nullable) (yes/no) [no]:
> yes

updated: src/Entity/Salarie.php

Add another property? Enter the property name (or press <return> to stop adding fields):
> cp

Field type (enter ? to see all types) [string]:
>
```

```

Field length [255]:
> 10

Can this field be null in the database (nullable) (yes/no) [no]:
> yes

updated: src/Entity/Salari e.php

Add another property? Enter the property name (or press <return> to stop adding fields):
> ville

Field type (enter ? to see all types) [string]:
>

Field length [255]:
> 30

Can this field be null in the database (nullable) (yes/no) [no]:
> yes

updated: src/Entity/Salari e.php

Add another property? Enter the property name (or press <return> to stop adding fields):
> dateEmbauche

Field type (enter ? to see all types) [string]:
> date
date

Can this field be null in the database (nullable) (yes/no) [no]:
>

updated: src/Entity/Salari e.php

Add another property? Enter the property name (or press <return> to stop adding fields):
>

```

Success!

Next: When you're ready, create a migration with **make:migration**

---

## ENTITÉ ENTREPRISE

```

C:\Laragon\www\Jean-Michel\Symfony\ExoSalaries (master)
> php bin/console make:entity

Class name of the entity to create or update (e.g. GrumpyJellybean):
> Entreprise
Entreprise

created: src/Entity/Entreprise.php
created: src/Repository/EntrepriseRepository.php

Entity generated! Now let's add some fields!
You can always add more fields later manually or by re-running this command.

New property name (press <return> to stop adding fields):
> raisonSociale

Field type (enter ? to see all types) [string]:
>

Field length [255]:
> 50

Can this field be null in the database (nullable) (yes/no) [no]:
>

updated: src/Entity/Entreprise.php

Add another property? Enter the property name (or press <return> to stop adding fields):
> siret

Field type (enter ? to see all types) [string]:
>

Field length [255]:
> 20

```

```

Can this field be null in the database (nullable) (yes/no) [no]:
>

updated: src/Entity/Entreprise.php

Add another property? Enter the property name (or press <return> to stop adding fields):
> adresse

Field type (enter ? to see all types) [string]:
>

Field length [255]:
> 50

Can this field be null in the database (nullable) (yes/no) [no]:
> yes

updated: src/Entity/Entreprise.php

Add another property? Enter the property name (or press <return> to stop adding fields):
> cp

Field type (enter ? to see all types) [string]:
>

Field length [255]:
> 10

Can this field be null in the database (nullable) (yes/no) [no]:
> yes

updated: src/Entity/Entreprise.php

Add another property? Enter the property name (or press <return> to stop adding fields):
> ville

Field type (enter ? to see all types) [string]:
>

Field length [255]:
> 30

Can this field be null in the database (nullable) (yes/no) [no]:
> yes

updated: src/Entity/Entreprise.php

Add another property? Enter the property name (or press <return> to stop adding fields):
> salaries

Field type (enter ? to see all types) [string]:
> ?
?

Main types
* string
* text
* boolean
* integer (or smallint, bigint)
* float

Relationships / Associations
* relation (a wizard will help you build the relation)
* ManyToOne
* OneToMany
* ManyToMany
* OneToOne

Array/Object Types
* array (or simple_array)
* json
* object
* binary
* blob

Date/Time Types
* datetime (or datetime_immutable)
* datetimetz (or datetimetz_immutable)
* date (or date_immutable)
* time (or time_immutable)
* dateinterval

Other Types

```

```

* decimal
* guid
* json_array

Field type (enter ? to see all types) [string]:
> OneToMany
OneToMany

What class should this entity be related to?:
> Salarie
Salarie

A new property will also be added to the Salarie class so that you can access and set the
related Entreprise object from it.

New field name inside Salarie [entreprise]:
>

Is the Salarie.entreprise property allowed to be null (nullable)? (yes/no) [yes]:
> no

Do you want to activate orphanRemoval on your relationship?
A Salarie is "orphaned" when it is removed from its related Entreprise.
e.g. $entreprise->removeSalarie($salarie)

NOTE: If a Salarie may *change* from one Entreprise to another, answer "no".

Do you want to automatically delete orphaned App\Entity\Salarie objects (orphanRemoval)?
(yes/no) [no]:
>

updated: src/Entity/Entreprise.php
updated: src/Entity/Salarie.php

Add another property? Enter the property name (or press <return> to stop adding fields):
>

```

Success!

Next: When you're ready, create a migration with `make:migration`

## CRÉATION DES CONTRÔLEURS

### CONTROLEUR SALARIE

```

C:\Laragon\www\Jean-Michel\Symfony\ExoSalarie (master)
> php bin/console make:controller

Choose a name for your controller class (e.g. GentleJellybeanController):
> SalarieController

created: src/Controller/SalarieController.php
created: templates/salarie/index.html.twig

```

Success!

Next: Open your new controller class and add some pages!

### CONTROLEUR ENTREPRISE

```

C:\Laragon\www\Jean-Michel\Symfony\ExoSalarie (master)
> php bin/console make:controller

Choose a name for your controller class (e.g. DeliciousPizzaController):
> EntrepriseController

created: src/Controller/EntrepriseController.php
created: templates/entreprise/index.html.twig

```

Success!

Next: Open your new controller class and add some pages!

## PREMIER LANCEMENT DE L'APPLICATION

### MIGRATION DE LA BASE DE DONNÉES (⇔ CRÉATION DES TABLES)

```
C:\Laragon\www\Jean-Michel\Symfony\ExoSalaries (master)
> php bin/console make:migration
```

Success!

Next: Review the new migration "src/Migrations/Version20200206103356.php"  
Then: Run the migration with `php bin/console doctrine:migrations:migrate`  
See <https://symfony.com/doc/current/bundles/DoctrineMigrationsBundle/index.html>

```
C:\Laragon\www\Jean-Michel\Symfony\ExoSalaries (master)
> php bin/console doctrine:migrations:migrate
```

#### Application Migrations

WARNING! You are about to execute a database migration that could result in schema changes and data loss. Are you sure you wish to continue? (y/n)y  
Migrating up to 20200206103356 from 0

++ migrating 20200206103356

```
-> CREATE TABLE salarie (id INT AUTO_INCREMENT NOT NULL, entreprise_id INT NOT NULL, nom
VARCHAR(50) NOT NULL, prenom VARCHAR(20) NOT NULL, date_naissance DATE NOT NULL, adresse
VARCHAR(50) DEFAULT NULL, cp VARCHAR(10) DEFAULT NULL, ville VARCHAR(30) DEFAULT NULL,
date_embauche DATE NOT NULL, INDEX IDX_828E3A1AA4AEAFEA (entreprise_id), PRIMARY KEY(id))
DEFAULT CHARACTER SET utf8mb4 COLLATE `utf8mb4_unicode_ci` ENGINE = InnoDB
-> CREATE TABLE entreprise (id INT AUTO_INCREMENT NOT NULL, raison_sociale VARCHAR(50)
NOT NULL, siret VARCHAR(20) NOT NULL, adresse VARCHAR(50) DEFAULT NULL, cp VARCHAR(10) DEFAULT
NULL, ville VARCHAR(30) DEFAULT NULL, PRIMARY KEY(id)) DEFAULT CHARACTER SET utf8mb4 COLLATE
`utf8mb4_unicode_ci` ENGINE = InnoDB
-> ALTER TABLE salarie ADD CONSTRAINT FK_828E3A1AA4AEAFEA FOREIGN KEY (entreprise_id)
REFERENCES entreprise (id)
```

++ migrated (took 184ms, used 44M memory)

-----  
++ finished in 189.1ms  
++ used 44M memory  
++ 1 migrations executed  
++ 3 sql queries

### LANCEMENT DU SERVEUR SYMFONY

```
C:\Laragon\www\Jean-Michel\Symfony\ExoSalaries (master)
> symfony server:start
```

[WARNING] run "symfony.exe server:ca:install" first if you want to run the web server with TLS support, or use "--no-tls" to avoid this warning

```
Feb  6 19:05:13 |DEBUG| PHP   Reloading PHP versions
Feb  6 19:05:13 |DEBUG| PHP   Using PHP version 7.2.27 (from default version in $PATH)
Feb  6 19:05:14 |INFO|  PHP   listening path="F:\Laragon\bin\php\php-7.2.27-Win32-VC15-
x64\php-cgi.exe" php="7.2.27" port=51529
Feb  6 19:05:14 |DEBUG| PHP   started
```

[OK] Web server listening on http://127.0.0.1:8000 (PHP CGI 7.2.27)