

General Installation Guide

Symfony 2.2

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Contents

Symfony Configuration on MAC	2
Symfony Configuration on Windows (xampp 1.8.1)	2
Symfony Configuration (system independent)	2
Installing Composer.....	3
Installing the Friends of Symfony (FOS) User Bundle.....	3
Configuration FOS	4
Database Handling	6
Installing the SonataDoctrineORMAdminBundle (optional)	6

Symfony Configuration on MAC

1. set Environment Path to PHP Server
2. OSX: the path is set but to the standard Apple Web Server. Change it.
3. Example for mamp php5
 - Backup current php version by renaming it (optional)
 - `$ sudo mv /usr/bin/php /usr/bin/php4`
4. Create a symbolic link pointing to the PHP version supplied by MAMP
5. `$ sudo ln -s /Applications/MAMP/bin/php5/bin/php /usr/bin/php`
6. If you want use Apple Web Server, you must set the timezone constant
7. For the commandline, you have to change your directory to Symfony directory in htdocs

Symfony Configuration on Windows (xampp 1.8.1)

Extract the Zip-Package to htdocs (Result: htdocs/Symfony)

Open localhost/Symfony/web/config.php -> 2 errors

1. Error: activate php_intl.dll (<http://www.tiv.net/2010/12/php-intl-extension-windows-apache.html>)

All Files are included in xampp, you just have to activate them:

1. Uncomment the following line „extension=php_intl.dll” in php.ini
2. The PATH environment variable has to point to xampp\php
3. Restart Apache-Server

2. Error: install PHP APC

(http://docs.moodle.org/20/en/Installing_APC_in_Windows#Download_the_correct_version)

1. Download php_apc.dll: http://downloads.php.net/pierre/php_apc-3.1.10-5.4-vc9-x86.zip
2. Extract php_apc.dll to xampp\php\ext\ts (Thread Safe)
3. Add the following line to php.ini: extension=php_apc.dll
4. Restart Apache-Server

Symfony Configuration (system independent)

A default bundle, `AcmeDemoBundle`, shows you Symfony2 in action. After playing with it, you can remove it by following these steps:

1. delete the `src/Acme` directory;
2. remove the routing entries referencing AcmeBundle in `app/config/routing_dev.yml`;
3. remove the AcmeBundle from the registered bundles in `app/AppKernel.php`;
4. remove the `web/bundles/acmedemo` directory;
5. remove the `security.providers`, `security.firewalls.login` and `security.firewalls.secured_area` entries in the `security.yml` file or tweak the security configuration to fit your needs.

Configure the yml-file as followed:

```
# app/config/parameters.yml
parameters:
    database_driver: pdo_mysql
    database_host: localhost
    database_port: '3306'
    database_name: symfony
    database_user: root
    database_password: root
    database_path: null

    mailer_transport: smtp
    mailer_host: smtp.domain.de
    mailer_user: user@domain.de
    mailer_password: password
    mailer_encryption: tls

    locale: en
    secret: something_secret
```

Installing Composer

For installing plugins you have to download the php Composer:

<http://getcomposer.org/>

Run this in your terminal to get the latest Composer version:

```
curl -ss https://getcomposer.org/installer | php
```

Or if you don't have curl (works on Windows):

```
php -r "eval('?'>'.file_get_contents('https://getcomposer.org/installer'));"
```

Installing the Friends of Symfony (FOS) User Bundle

Composer path

<https://packagist.org/packages/friendsofsymfony/user-bundle>

Instructions

<https://github.com/FriendsOfSymfony/FOSUserBundle/blob/master/Resources/doc/index.md>

Add FOSUserBundle in your composer.json:

```
{
    "require": {
        "friendsofsymfony/user-bundle": "*"
    }
}
```

Now tell composer to download the bundle by running the command:

```
$ php composer.phar update friendsofsymfony/user-bundle
```

Configuration FOS

Step 1

Add the Following Command to app/AppKernel.php

```
$bundles = array(
    ...
    new FOS\UserBundle\FOSUserBundle(),
);
```

Step 2

Add the Following Command to app/config/config.yml

```
#FOS
fos_user:
    db_driver: orm
    firewall_name: main
    user_class: WAN\MedienFTPBundle\Entity\User
```

Step 3

Add the Following Command to app/config/security.yml

```
security:
    encoders:
        #FOS
        FOS\UserBundle\Model\UserInterface: sha512

    role_hierarchy:
        #FOS
        ROLE_ADMIN:        ROLE_USER
        ROLE_SUPER_ADMIN:  ROLE_ADMIN

    providers:
        #FOS
        fos_userbundle:
            id: fos_user.user_provider.username

    firewalls:
        #FOS
        main:
            pattern: ^/
            form_login:
                provider: fos_userbundle
                csrf_provider: form.csrf_provider
            logout: true
            anonymous: true

    #FOS
    access_control:
        - { path: ^/login$, role: IS_AUTHENTICATED_ANONYMOUSLY }
        - { path: ^/register, role: IS_AUTHENTICATED_ANONYMOUSLY }
        - { path: ^/resetting, role: IS_AUTHENTICATED_ANONYMOUSLY }
        - { path: ^/admin/, role: ROLE_ADMIN }
```

Step 4

Add the Following Command to app/config/routing.yml

```
fos_user_security:
    resource: "@FOSUserBundle/Resources/config/routing/security.xml"

fos_user_profile:
    resource: "@FOSUserBundle/Resources/config/routing/profile.xml"
    prefix: /profile

fos_user_register:
    resource:
"@FOSUserBundle/Resources/config/routing/registration.xml"
    prefix: /register

fos_user_resetting:
    resource: "@FOSUserBundle/Resources/config/routing/resetting.xml"
    prefix: /resetting

fos_user_change_password:
    resource:
"@FOSUserBundle/Resources/config/routing/change_password.xml"
    prefix: /profile
```

Step 5

Create your Bundle

```
php app/console generate:bundle --namespace=WAN/MedienFTPBundle --format=yml
```

Step 6

Create the User Class which you references in Step 2

In this case you must create the following file src/namespace/Entity/User.php

```
<?php
// src/Acme/UserBundle/Entity/User.php

namespace WAN\MedienFTPBundle\Entity;
use FOS\UserBundle\Entity\User as BaseUser;
use Doctrine\ORM\Mapping as ORM;
use Symfony\Component\Validator\Constraints as Assert;

/**
 * @ORM\Entity
 * @ORM\Table(name="medienftp_user")
 */
class User extends BaseUser {
    //Start ID
    /**
     * @ORM\Id
     * @ORM\Column(type="integer")
     * @ORM\GeneratedValue(strategy="AUTO")
     */
    protected $id;
    //END ID

    //Start group as String
    /**
     * @ORM\Column(type="string", length=255)
     * @Assert\NotBlank(message="Please enter your name.",
groups={"Registration", "Profile"})
     * @Assert\MinLength(limit="3", message="Name too short",
groups={"Registration", "Profile"})
     * @Assert\MaxLength(limit="255", message="name too long",
groups={"Registration", "Profile"})
     */
    protected $group;
    //END group
```

```

        public function __construct() {
            parent::__construct();
            // your own logic
        }
    }
}

```

Step 7

Execute the following command to refresh your Database schema
`php app/console doctrine:schema:update --force`

Step 8

You now can login at http://localhost/Symfony/web/app_dev.php/login

You now Regist at http://localhost/Symfony/web/app_dev.php/register

You now can logout at http://localhost/Symfony/web/app_dev.php/logout

Database Handling

To Create, Update, Delete Database Items

```

$ php app/console doctrine:database:drop --force
$ php app/console doctrine:database:create
$ php app/console doctrine:schema:update --force

```

Installing the SonataDoctrineORMAdminBundle (optional)

Composer path

<https://packagist.org/packages/sonata-project/doctrine-orm-admin-bundle>

Instructions

<http://sonata-project.org/bundles/admin/2-1/doc/index.html>

Add the Bundle in your composer.json:

```

{
    "require": {
        "sonata-project/doctrine-orm-admin-bundle": "2.1.*@dev"
    }
}

```