



Symfony

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[illegible]

composer require logger

```

classDiagram
    class Monolog {
        array[16]
        array[8]
    }
    class LoggerInterface {
    }

```

```
// src/Controller/DefaultController.php

namespace App\Controller;


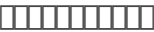
use Psr\Log\LoggerInterface;
use Symfony\Bundle\FrameworkBundle\Controller\AbstractController;
use Symfony\Component\HttpFoundation\Response;
use Symfony\Component\Routing\Attribute\Route;

class DefaultController extends AbstractController
{
    #[Route('/hello/{name}', methods: ['GET'])]
    public function index(string $name, LoggerInterface $logger): Response
    {
        $logger->info("Saying hello to $name!");

        // ...
    }
}
```

```
var/log/dev.log
```



Symfony  LoggerInterface  
Logger 

Symfony 



Logger 

Twig



Symfony



php bin/console debug:autowiring

Describes a logger instance.

Psr\Log\LoggerInterface - alias:monolog.logger

Request stack that controls the lifecycle of requests.


Symfony\Component\HttpFoundation\RequestStack - alias:request\_stack

RouterInterface is the interface that all Router classes must implement.

Symfony\Component\Routing\RouterInterface - alias:router.default

[...]



“Hello”  “Yo”



```
// src/GreetingGenerator.php
namespace App;

class GreetingGenerator
{
    public function getRandomGreeting(): string
    {
        $greetings = ['Hey', 'Yo', 'Aloha'];
        $greeting = $greetings[array_rand($greetings)];
    }
}
```

```
    return $greeting;
  }
}
```



```
// src/Controller/DefaultController.php

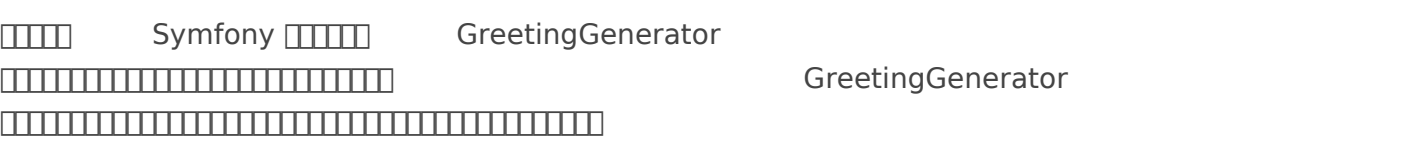
namespace App\Controller;

use App\GreetingGenerator;
use Psr\Log\LoggerInterface;
use Symfony\Bundle\FrameworkBundle\Controller\AbstractController;
use Symfony\Component\HttpFoundation\Response;
use Symfony\Component\Routing\Attribute\Route;

class DefaultController extends AbstractController
{
    #[Route('/hello/{name}', methods: ['GET'])]
    public function index(string $name, LoggerInterface $logger, GreetingGenerator $generator): Response
    {
        $greeting = $generator->getRandomGreeting();

        $logger->info("Saying $greeting to $name!");

        // ...
    }
}
```



```
<?php
    // src/GreetingGenerator.php
+ use Psr\Log\LoggerInterface;

    class GreetingGenerator
    {
+     public function __construct(
+         private LoggerInterface $logger,
```

```
+ ) {  
+ }  
  
public function getRandomGreeting(): string  
{  
    // ...  
  
+     $this->logger->info('Using the greeting: '.$greeting);  
  
    return $greeting;  
}  
}
```

Twig 

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Diagram illustrating the layout of a memory page (0x00000000 to 0x0000004F). The page is divided into three main sections:

- Symphony** (0x00000000 to 0x0000001F): Contains a large block of memory (0x00000000 to 0x0000000F) and a smaller block (0x00000010 to 0x0000001F).
- Twig** (0x00000020 to 0x0000002F): Contains a block of memory (0x00000020 to 0x0000002F).
- AbstractExtension** (0x00000030 to 0x0000003F): Contains a block of memory (0x00000030 to 0x0000003F).

The **greet** method is located at the end of the page (0x00000040 to 0x0000004F).

```
// src/Twig/GreetExtension.php

namespace App\Twig;

use App\GreetingGenerator;
use Twig\Extension\AbstractExtension;
use Twig\TwigFilter;

class GreetExtension extends AbstractExtension
{
    public function __construct(
        private GreetingGenerator $greetingGenerator,
    ) {
    }

    public function getFilters(): array
    {
        return [
            new TwigFilter('greet', [$this, 'greetUser']),
        ];
    }
}
```

```
public function greetUser(string $name): string
{
    $greeting = $this->greetingGenerator->getRandomGreeting();

    return "$greeting $name!";
}
```

```
{# templates/default/index.html.twig #}

{# Will print something like "Hey Symfony!" #}


<h1>{{ name|greet }}</h1>
```


Diagram illustrating the relationship between Symfony, AbstractExtension, Twig, and another Symfony instance:


- Row 1: A 6-box block, the text "Symfony", a 6-box block, the text "AbstractExtension", a 6-box block, the text "Twig", and a 6-box block.
- Row 2: A single continuous block of 30 boxes.
- Row 3: A 6-box block followed by a 24-box block.

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 Symphony 

































































































































































[illegible][illegible][illegible]

```
# config/packages/routing.yaml
```

```
framework:
```

```
    router:
```

```
        utf8: true
```

```
when@prod:
```

```
    framework:
```

```
        router:
```

```
            strict_requirements: null
```

```
#####
```

```
█
```

```
#####
```

```
APP_ENV=
```

```
dev
```

```
prod
```

```
# .env
```

```
- APP_ENV=dev
```

```
+ APP_ENV=prod
```

```
#####
```

```
dev
```

```
███
```

```
#####
```

```
-
```

```
#####
```

```
Symfony
```

```
(PaaS)
```

```
Docker
```

```
Symfony
```

```
#####
```

```
.env
```

```
#####
```

```
# .env
```

```
###> symfony/framework-bundle ###
```

```
APP_ENV=dev
```

```
APP_SECRET=cc86c7ca937636d5ddf1b754beb22a10
```

```
###< symfony/framework-bundle ###
```

```
#####
```

```
#####
```

```
ORM
```

```
Doctrine ORM
```

```
composer require doctrine
```

Flex .env

```
###> symfony/framework-bundle ###
APP_ENV=dev
APP_SECRET=cc86c7ca937636d5ddf1b754beb22a10
###< symfony/framework-bundle ###

+ ###> doctrine/doctrine-bundle ###
+ # ...
+ DATABASE_URL=mysql://db_user:db_password@127.0.0.1:3306/db_name
+ ###< doctrine/doctrine-bundle ###
```

DATABASE\_URL doctrine.yaml  
Flex

Symfony  
Symfony