Symfony

is a set of low-level building blocks that you can assemble to develop powerful high-level features easily

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Auto-discovery
Auto-configuration
Auto-wiring

#[Attributes]

👍

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symfony.com/releases

| | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 |
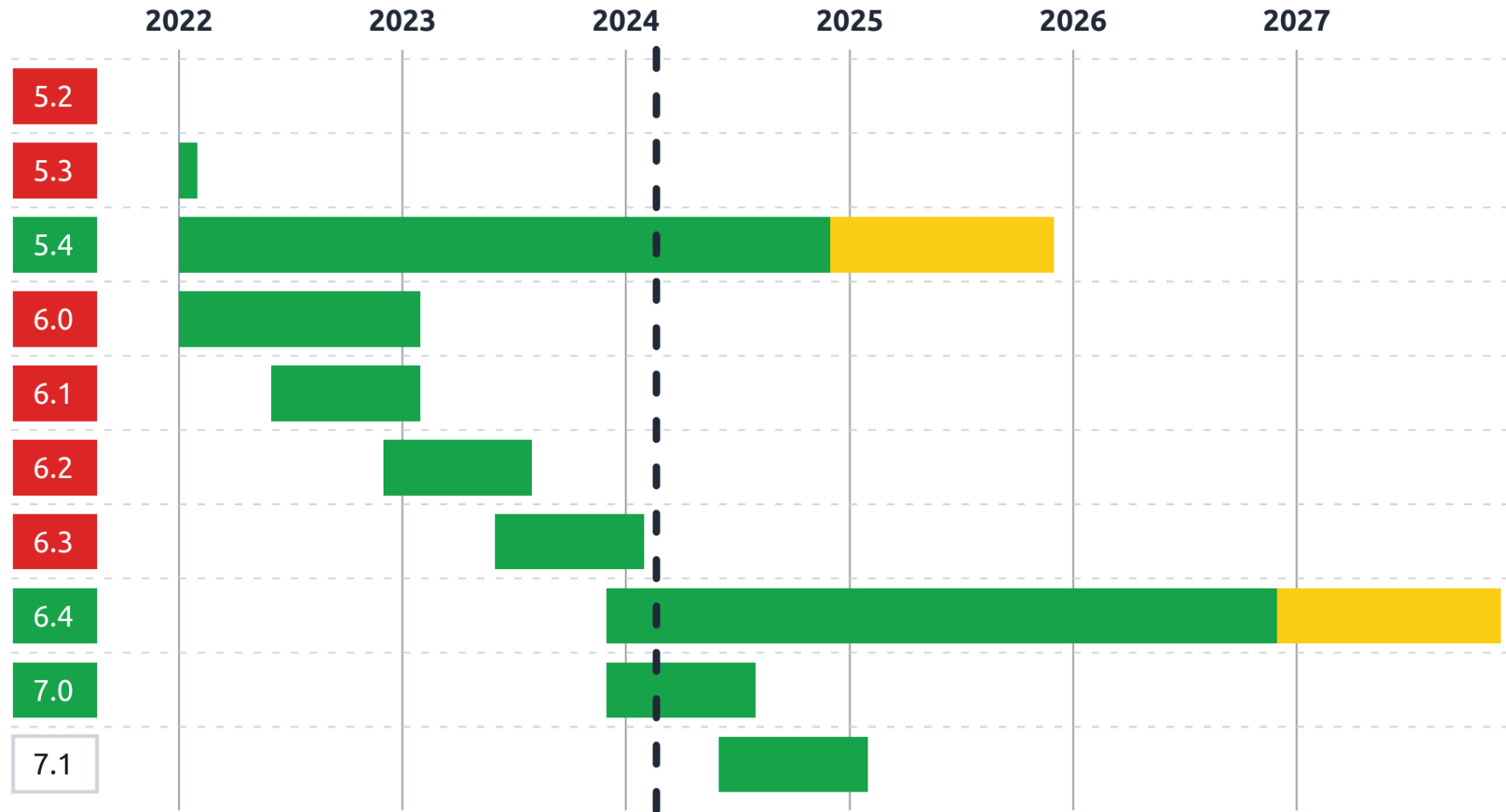
Backward Compatibility Promise

- Upgrade every month for bug fixes
- Upgrade every 6 months for features

```
"require": {
    "php": ">=8.1"
}
```

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Continuous Upgrade Path

- Fix deprecations every 6 months
- Upgrade every 2 years for new major

```
"require": {
    "php": ">=8.2"
}
```

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Symfony 7 🎉

- Remove deprecated code paths
- Add native return types
- Add native types to public|protected properties

New components

#44681 Add the **HtmlSanitizer** component

#46715 Add the **Clock** component

#48542 Add the **RemoteEvent** and **Webhook**

#47112 Add a **Scheduler** component

#48371 Add **AssetMapper** to manage JS deps without nodejs

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🔔

Notifier

#47373 Add **Chatwork** bridge

#46395 Add **Contact Everyone** bridge

#46724 Add **SMSFactor** bridge

#49454 Add **Pushover** bridge

#49461 Add **MailerSend** bridge

#48855 Add **PagerDuty** bridge

#48101 Add **Mastodon** bridge

#48466 Add **Line** bridge

#48389 Add **Bandwidth** bridge

#48394 Add **Plivo** bridge

#48397 Add **RingCentral** bridge

#48398 Add **Termii** bridge

#48399 Add **iSendPro** bridge

#48084 Add **Twitter** bridge

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⚠ PHP 8 introduced attributes, which are a native replacement for annotations

RIP
Doctrine Annotations

🧹 | Minors

Performance

#48802 Cut **compilation** time

#49781 Improve perf. of translation messages extraction

#49676 Improve perf. of **GlobResource**

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Types

#49383 Add missing **return types** to interfaces

#49022 Add missing **template** annotation on ServiceLocator

#48750 Add **generics** to PasswordUpgraderInterface

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```
+/**
+ * @template-covariant T of mixed
+ * @implements ServiceProviderInterface<T>
+ */
 class ServiceLocator implements ServiceProviderInterface, \Countable
 {
```

New syntax

#48793 Leverage **arrow function** syntax for closure

#48670 Use **::class**

#48069 Use **??=** more

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😍 Features

Dependency Injection

```
#[AsDecorator]
#[AsTaggedItem]
#[AutowireCallable]
#[AutowireDecorated]
#[AutowireLocator]
#[AutowireServiceClosure]
#[Exclude]
#[Required]
#[SubscribedService]
#[Target]
#[When]
```

Just Enjoy on your side

```php
#[AsEventListener]
class MyRequestListener
{
    public function __invoke(RequestEvent $event): void
    {
        // ...
    }
}
```

Define your rules

```
#[AutoconfigureTag]
interface ChannelInterface
{
}
```

Enjoy your rules

```php
class ChannelBroadcaster
{
    public function __construct(

        #[AutowireIterator(ChannelInterface::class)]
        iterable $channels

    ) {
        // ...
    }
}
```

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```php
#[AsAlias(ChannelInterface::class)]
class DefaultChannel implements ChannelInterface
{
```

```php
#[Autoconfigure(lazy: true)]
class PlotFactory
{
    public function __construct(
        #[Autowire(param: 'kernel.debug')]
        private bool $debug,

        private HeavyDependency $heavyDependency,
    ) {
    }
}
```

```php
public function __construct(
    #[AutowireLocator([
        'router' => RouterInterface::class,
        'slugger' => '?'.SluggerInterface::class,
    ])]
    ContainerInterface $container,
)
```

```php
public function __construct(
    #[AutowireCallable(UriTemplate::class, 'expand')]
    UriExpanderInterface $expander,
)
```

HttpKernel 🌽

#48352 **#[WithHttpStatus]** for defining status codes for exceptions

#48747 **#[WithLogLevel]** for defining log levels for exceptions

```
#[WithHttpStatus(429, ['Retry-After' => 10])]
#[WithLogLevel(LogLevel::INFO)]
class RateLimitedException extends \Exception
{
```

Controllers

```
#[CurrentUser]
#[MapDateTime]
#[MapEntity]
#[MapQueryParameter]
#[MapQueryString]
#[MapRequestPayload]
#[ValueResolver]
```

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```
#[Route('/blog')]

public function blog(

    #[MapQueryParameter]
    int $page = 1,

)
```

```php
#[Route('/product-review', methods: ['POST'])]

public function post(

    #[MapRequestPayload]
    ProductReviewDto $productReview,

)
```

```php
class ProductReviewDto
{
    public function __construct(
        #[Assert\NotBlank]
        #[Assert\Length(min: 10, max: 500)]
        public readonly string $comment,

        #[Assert\GreaterThanOrEqual(1)]
        #[Assert\LessThanOrEqual(5)]
        public readonly int $rating,
    ) {
        // ...
```

Validation

```
#[NoSuspiciousCharacters]
#[NotCompromisedPassword]
#[PasswordStrength]
```

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Credits

Hundreds of contributors

nicolas-grekas #1 376 commits 478,234 ++ 34,464 --	**fabpot** #2 295 commits 13,189 ++ 6,617 --		
xabbuh #3 121 commits 4,991 ++ 5,209 --	**chalasr** #4 53 commits 1,206 ++ 791 --		
fancyweb #5 50 commits 6,012 ++ 853 --	**alamirault** #6 46 commits 3,320 ++ 541 --		
alexandre-daubois #7 39 commits 5,290 ++ 2,904 --	**derrabus** #8 39 commits 2,711 ++ 1,000 --		
MatTheCat #9 32 commits 2,050 ++ 256 --	**lyrixx** #10 29 commits 440,619 ++ 438,666 --		
wouterj #11 29 commits 18,776 ++ 2,213 --	**javiereguiluz** #12 28 commits 4,371 ++ 2,639 --		
HypeMC #13 26 commits 2,641 ++ 747 --	**OskarStark** #14 20 commits 23,012 ++ 23,004 --		

GromNaN #15 18 commits 956 ++ 327 --	**HeahDude** #16 15 commits 1,205 ++ 200 --	**alexander-schranz** #29 3 commits 481 ++ 128 --	**dbu** #30 3 commits 47 ++ 7 --
ostrolucky #17 13 commits 2,706 ++ 1,071 --	**ogizanagi** #18 12 commits 515 ++ 92 --	**1ed** #31 3 commits 95 ++ 43 --	**tgalopin** #32 3 commits 58 ++ 25 --
Seldaek #19 11 commits 699 ++ 270 --	**dunglas** #20 9 commits 352 ++ 25 --	**Nyholm** #33 2 commits 219 ++ 22 --	**l-vo** #34 2 commits 27 ++ 9 --
kbond #21 9 commits 256 ++ 74 --	**VincentLanglet** #22 9 commits 182 ++ 48 --	**Tobion** #35 2 commits 379 ++ 102 --	**alexpott** #36 2 commits 43 ++ 16 --
jderusse #23 6 commits 24,315 ++ 7,646 --	**stof** #24 5 commits 148 ++ 70 --	**enumag** #37 1 commit 86 ++ 2 --	**franmomu** #38 1 commit 58 ++ 2 --
mpdude #25 4 commits 10 ++ 3 --	**welcoMattic** #26 4 commits 997 ++ 9 --	**weaverryan** #39 1 commit 1 ++ 1 --	**StaffNowa** #40 1 commit 79 ++ 1 --
stloyd #27 3 commits 907 ++ 0 --	**yceruto** #28 3 commits 99 ++ 23 --		

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Backers for 6.4 & 7.0

Symfony

Thank you and see you soon!

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