

Frameworks em PHP

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Perguntas

- O que é um framework?
 - Por que usar?
- Quais são as vantagens e desvantagens?
- Quais são as diferenças entre os frameworks?
 - Quais são os principais frameworks?
 - Como escolher um framework?

Lançamento rápido, projetos menores, sites

**+ liberdade
+ configuração
- regras**

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Projetos complexos, maior longevidade

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Laravel

Cake

Yii

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Symfony 3

Symfony 2

Symfony 1

ZF3

ZF2

ZF1

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Slim

Lumen

Silex

Expressive

Symfony 3

Symfony 2

Symfony 1

ZF3

ZF2

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PSR-7

***Http Is The Foundation Of
The Web***

Um cliente manda uma request

```
$method = $request->getMethod();  
$accept = $request->getHeader('Accept');  
$path = $request->getUri()->getPath();  
$controller = $request->getAttribute('controller');
```

O servidor retorna uma response

```
$response->getBody()->write('Hello world!');  
$response = $response  
    ->withStatus(200, 'OK')  
    ->withHeader('Content-Type', 'text/plain');
```

Middlewares

Between the request and response

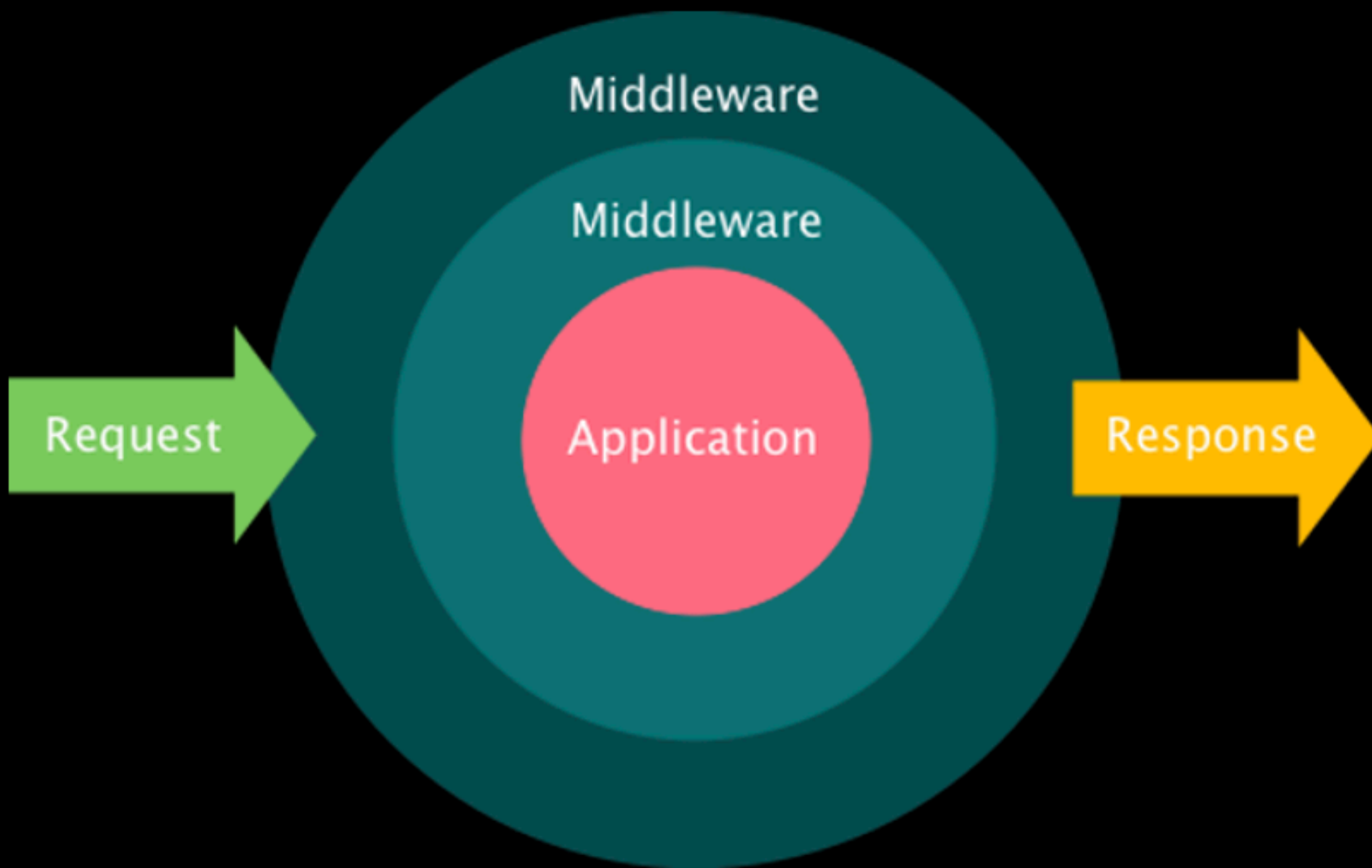
Enrico Zimuel

HTTP middleware is not for your Domain work. The middleware is a path in to, and out of, the core Domain.

Paul M. Jones

In other words, we'll no longer write Zend Framework or Symfony or Laravel or framework-flavor-of-the-day applications or modules/bundles/packages/what-have-you. We'll write middleware that solves a discrete problem, potentially using other third-party libraries, and then compose them into our applications — whether those are integrated into a framework or otherwise.

Matthew O'phhinney



```
class Auth implements MiddlewareInterface
{
    public function __invoke(Request $request, Response $response, callable $out = null)
    {
        if(! $request->hasHeader('authorization')){
            return $response->withStatus(401);
        }

        if (!$this->isValid($request)) {
            return $response->withStatus(403);
        }

        return $out($request, $response);
    }
}
```

```
$api = AppFactory::create();  
$api->get('/', function ($request, $response, $next) {  
    $response->getBody()->write('Hello, beers of world!');  
    return $response;  
});  
$api->get('/doc', function ($request, $response, $next) {  
    $response->getBody()->write('Hello, beers of world!');  
    return $response;  
});
```

```
$app = AppFactory::create();  
$app->pipe(new Auth());  
$app->pipe($api);  
$app->pipe(new Format());
```

```
$app->run();
```


PSR-15

PSR-15 HTTP Middleware describes a common standard for HTTP middleware components using HTTP Messages defined by PSR-7.

Currently, PSR-15 is a PHP Standards Recommendation Proposal of the Framework Interoperability Group (FIG).

```
use Interop\Http\ServerMiddleware\DelegateInterface;
use Interop\Http\ServerMiddleware\MiddlewareInterface;
use Psr\Http\Message\ServerRequestInterface;

class Authentication implements MiddlewareInterface
{
    public function process(ServerRequestInterface $request, DelegateInterface $delegate)
    {
        //do some logic

        return $delegate->process($request, $delegate);
    }
}
```

Zend Expressive 2

Expressive allows you to write PSR-7 middleware applications for the web. It is a simple micro-framework built on top of Stratigility, providing:

Dynamic routing

Dependency injection via container-interop

Templating

Error Handling

<http://devzone.zend.com/6615/announcing-expressive/>

Arquitectura

Router

- FastRoute
- Zend Route
- Aura.Router

Container

- Aura.DI
- Pimple
- Zend Service Manager

Template Engine

→ Twig

→ Plates

→ Zend View

Exemplo

RestBeer

API about 🍺🍺

Multiple response formats (JSON, HTML)

`http://restbeer.com/brands`

`http://restbeer.com/styles`

`http://restbeer.com/beer/1`

Links

- <https://zendframework.github.io/zend-expressive/>
- <https://danizord.github.io/explorando-o-poder-dos-middlewares/#/>
- <http://eltonminetto.net/post/2017-04-06-iniciando-novo-projeto-decisoes-arquitetura/>