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Introduction

Authentication and Authorization

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Derafu: Auth

PSR-15 compliant authentication and authorization library for PHP applications with Keycloak integration.

Features

- **PSR-15 Middleware:** Standard-compliant middleware.
- **Keycloak Integration:** OAuth2/OpenID Connect.
- **Session Management:** Secure session handling.
- **Token Refresh:** Automatic token refresh.
- **Route Protection:** Flexible route-based auth.
- **CSRF Protection:** State parameter validation.

Quick Start

Installation

Install the package:

```
composer require derafu/auth
```

Environment Variables

Configure, at the very least, the following environment variables:

```
KEYCLOAK_URL=http://localhost:8080
KEYCLOAK_CLIENT_ID=your-client-id
KEYCLOAK_CLIENT_SECRET=your-client-secret
KEYCLOAK_REDIRECT_URI=http://localhost/auth/callback
```

Routes

Import the routes to your `routes.yaml`:

```
imports:
  - { resource: '../vendor/derafu/auth/resources/config/auth-routes.yaml' }
```

Services

Import the services to your `services.yaml`:

```
imports:
  - { resource: '../vendor/derafu/auth/resources/config/auth-services.yaml' }
```

Middleware

Add the middleware to your `services.yaml`:

```
Psr\Http\Server\RequestHandlerInterface:
  class: Derafu\Http\Service\RequestHandler
  public: true
  arguments:
    $middlewares:
      - '@Derafu\Auth\Middleware\AuthenticationMiddleware'
```

Note: the `AuthenticationMiddleware` needs to be placed before the `DispatcherMiddleware`.

Access User Information

Directly with the attribute `user` or `access_token`:

```
$user = $request->getAttribute('user');
$accessToken = $request->getAttribute('access_token');
```

Using the `UserInterface` from the `mezzio/mezzio-authentication` package:

```
$user = $request->getAttribute(UserInterface::class);
if ($user) {
    $identity = $user->getIdentity();
    $roles = iterator_to_array($user->getRoles());
    $email = $user->getDetail('email');
}
```

Last updated on 09/09/2026