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Renderer Project

Unified Template Rendering Made Simple For PHP

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Unified Template Rendering Made Simple For PHP



A modern, flexible PHP template rendering library that provides a unified interface for multiple template engines and output formats.

Features

- **Unified Interface:** One consistent API for all template engines.
- **Multiple Engine Support:** Works with Twig, PHP, Markdown and more.
- **Multiple Output Formats:** Generate HTML, PDF from any template.
- **Extensible Architecture:** Easy to add new engines and formats.
- **Powerful Formatting System:** Format data consistently across all templates.
- **Secure by Design:** Safe template rendering and file handling.
- **Lightweight Core:** Only load what you need.
- **Framework Agnostic:** Use with any PHP framework.

Why Derafu\Renderer?

Traditional template systems often lock you into a single engine or require different handling for each format. Derafu\Renderer solves this by providing:

- A single, clean API for all template engines.
- Seamless switching between output formats.
- Consistent data formatting across all templates.
- Framework-agnostic design.
- Easy integration with existing systems.

Installation

Install via Composer:

```
composer require derafu/renderer
```

Basic Usage

```
use Derafu\Renderer\Factory\RendererFactory;

// Create renderer with engines Twig and PDF.
$renderer = RendererFactory::create([
    'engines' => ['twig', 'pdf'],
    'paths' => ['/path/to/templates'],
]);

// Render templates in different engines.
$html = $renderer->render('template.html.twig', ['name' => 'John']);
$pdf = $renderer->render('template.html.twig', ['name' => 'John'], ['engine' =>
    'pdf']);
```

Template Engines

Twig Templates

```
// template.html.twig
<h1>Hello {{ name }}!</h1>
<p>Today is {{ date|format_as('date.long') }}</p>
```

PHP Templates

```
// template.php
<h1>Hello <?= $name ?>!</h1>
<p>Today is <?= $format_as($date, 'date.long') ?></p>
```

Markdown Templates

```
# Hello {{ name }}!

Today is {{ date }}
```

Advanced Usage

Custom Engine Configuration

```
$renderer = RendererFactory::create([
    'engines' => ['twig', 'markdown', 'pdf'],
    'paths' => ['/path/to/templates'],
    'formatters' => [
        'date' => function (string $date): string {
            $timestamp = strtotime($date);
            return date('d/m/Y', $timestamp);
        },
    ],
]);
```

Last updated on 09/09/2026