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Introduction

Combine HTML documents, PDF pages and raw content through extensible format mergers

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Derafu Merger

Derafu Merger combines content strings of the same MIME type, preserving their supplied order. Inject `Derafu\Merger\Contract\MergerInterface` into the consumer and call:

```
$result = $merger->merge($contents, 'text/html');
```

The caller supplies the content strings and expands any repeated copies before calling `merge()`. HTML merging combines the documents' head and body contents into one document, inserting a page break between bodies. Raw merging concatenates the supplied bytes, optionally using a `separator` string.

Service Configuration

For HTML and raw concatenation, import:

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

For PDF support, install `mpdf/mpdf` and `setasign/fpdfi`, and import the following configuration instead. It includes the base configuration:

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

PDF merging imports each source page in order and preserves portrait/landscape orientation. The `mpdf merge` option passes constructor options to mPDF.

PDF activation depends on the configuration import, even when mPDF is installed. The base configuration uses raw concatenation for MIME types without a registered specific merger, including `application/pdf`. Use the PDF configuration to combine PDF documents page by page.

Contributing Formats

Implement `Derafu\Merger\Contract\FormatMergerInterface` and register the implementation with the collection tag:

```
services:
    App\Merger\CustomHtmlMerger:
        tags:
            - { name: derafu_merger.format_merger, priority: 200 }
```

The first implementation whose `supports()` accepts the requested MIME type handles the operation. Higher tag priorities run first. Built-in HTML and PDF mergers use priority `100`; raw concatenation uses `-1000` and accepts every MIME type. Place specific contributions before that fallback. Adding a contribution does not require redefining the main merger service.

The main service ID is `Derafu\Merger\Contract\MergerInterface`, implemented by `Derafu\Merger\Merger`. Its format implementations are stateless reusable services; contents and options belong to each `merge()` call.

Direct PHP Usage

Without a DI container, construct the collection explicitly:

```
use Derafu\Merger\Merger;
use Derafu\Merger\Type\HtmlMerger;
use Derafu\Merger\Type\RawMerger;

$merger = new Merger([new HtmlMerger(), new RawMerger()]);
$result = $merger->merge(['first', 'second'], 'text/plain', ['separator' => "\n"]);
```

Add `PdfMerger` before `RawMerger` when PDF merging is needed and its optional dependencies are installed.

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