

# PHP Template-Engines für WordPress-Entwicklung

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- Was sind Template-Engines?
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# Was ist ein Template-Engine?

„eine Software, die eine Vorlagen-Datei verarbeitet und bestimmte Platzhalter durch jeweils aktuelle Inhalte ersetzt“

– *Wikipedia*



# PHP (1994)

```
<!--include /text/header.html-->

<?php get_header(); ?>

<?php if (have_posts()) : while (have_posts()) : the_post(); ?>
    <?php the_content(); ?>
<?php endwhile; endif; ?>

<?php get_footer(); ?>

    You have <!--$index:0--> credits left in your account.<p>

<!--include /text/footer.html-->
```

# PHP (2016)

```
<?php
interface Logger {
    public function log(string $msg);
}

class Application {
    private $logger;

    public function getLogger(): Logger {
        return $this->logger;
    }

    public function setLogger(Logger $logger) {
        $this->logger = $logger;
    }
}
```

# Hallo, Erika Mustermann

```
<p>Hallo, {{ name }}</p>
```

```
<p>Hallo, {{ $name }}</p>
```

```
<p>Hallo, {$name}</p>
```

# Warum Template-Engines verwenden?

- Sicherheit

```
<?php echo htmlspecialchars($var, ENT_QUOTES, 'UTF-8') ?>
```

```
{{ var }}
```

```
{{ wp_head|raw }}
```

# Warum Template-Engines verwenden?

- Sicherheit
- Separation of Concerns (das „I“ in SOLID)



# Warum Template-Engines verwenden?

- Sicherheit
- Separation of Concerns (das „I“ in SOLID)
- Designer können auch mitmachen

# PHP Template-Engines

- Smarty (<http://www.smarty.net>)
- Twig (<http://twig.sensiolabs.org>)
- Blade (<https://github.com/PhiloNL/Laravel-Blade>)
- Mustache (<https://github.com/bobthecow/mustache.php>)

# Template-Engines in WordPress

Mit Composer im eigenen Theme oder Plugin Installieren

```
composer require twig/twig
```

```
composer require smarty/smarty
```

```
composer require mustache/mustache
```

```
composer require philo/laravel-blade
```

# Twig

```
$loader = new \Twig_Loader_Filesystem(
    get_stylesheet_directory() . '/templates'
);

$engine = new \Twig_Environment(
    $loader,
    ['cache' => get_stylesheet_directory() . '/templates/cache']
);

echo $engine->render('template.twig', ['name' => 'Erika Mustermann'])
```

# Blade

```
use Philo\Blade\Blade;

$engine = new Blade(
    get_stylesheet_directory() . '/templates',
    get_stylesheet_directory() . '/templates/cache',
);

echo $engine
    ->view()
    ->make('template.blade.php')
    ->with(['name' => 'Erika Mustermann'])
    ->render();
```

# Smarty

```
$engine = new \Smarty();  
$engine->setTemplateDir(get_stylesheet_directory() . '/templates');  
$engine->setCompileDir(get_stylesheet_directory() . '/templates/compile');  
  
$engine->assign('name', 'Erika Mustermann');  
  
echo $engine->display('template.tpl');
```

# Mustache

```
$engine = new \Mustache_Engine([
    'loader' => new \Mustache_Loader_FilesystemLoader(
        get_stylesheet_directory() . '/templates'
    ),
    'partials_loader' => new \Mustache_Loader_FilesystemLoader(
        get_stylesheet_directory() . '/templates/partials'
    ),
    'cache' => get_stylesheet_directory() . '/templates/cache'
]);

echo $engine->loadTemplate('template.mustache')->render(['name' => 'Erika Mustermann']);
```

# WordPress-spezifisches Beispiel

```
echo $engine->render('posts.twig', ['posts' => get_posts()]);
```

```
{% include 'header.html' %}  
  
    <ul>  
    {% for post in posts %}  
        <li>{{ post.post_title }}</li>  
    {% endfor %}  
    </ul>  
  
{% include 'footer.html' %}
```



Fragen