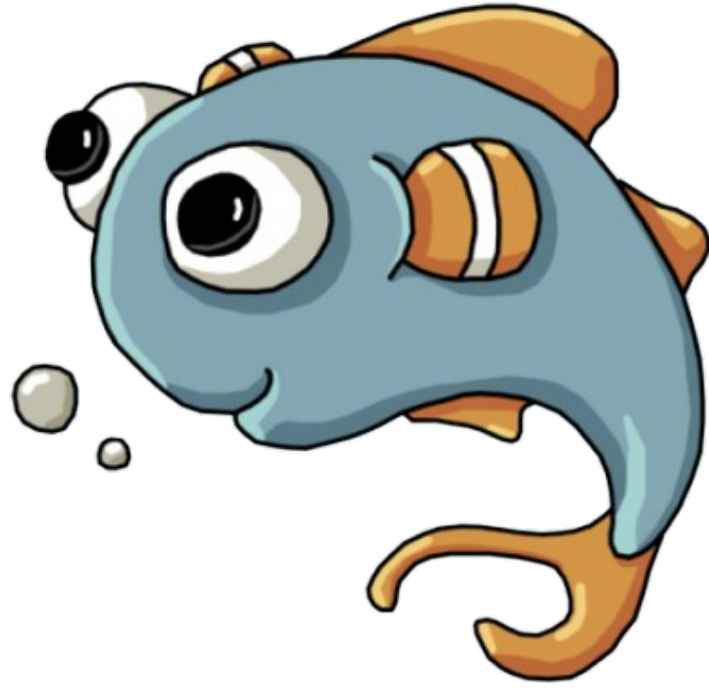


Building static websites with Sculpin

Oliver Davies (@opdavies)





What is a static website?

```
.htaccess  
assets/images/od-logo.jpg  
build/tailwind.css  
call/index.html  
daily/2024/03/18/automated-drupal-11-compatibility-fixes/index.html  
drupal-upgrade/index.html  
favicon.ico  
index.html  
phpberks/index.html  
podcast/19-sam-mortenson/index.html  
pricing/index.html  
talks/taking-flight-with-tailwind-css/index.html  
talks/tdd-test-driven-drupal/index.html
```



What is Sculpin?

- Static site generator
- CLI tool
- Built on Symfony components
- Markdown + Twig = Static HTML



Why use a static site generator?

- Rapid development.
- Templating.
- Security.
- Performance.
- Easy and cheap to host.



What do I use it for?

- My personal website and Zettelkasten.
- Some client websites.
- HTML prototypes and testing.
- Learning YAML and Twig (and some Symfony).

Installation

```
composer require sculpin/sculpin
```

```
composer create-project sculpin/blog-skeleton my-blog
```

```
composer create-project opdavies/sculpin-skeleton my-site
```


Using Sculpin

- Configuration in `app/config`
- Source files in `source`.
 - Templates in `source/_templates` or `source/_layouts`.
 - Includes in `source/_includes` or `source/_partials`.

```
app/  
  config/  
    sculpin_kernel.yml  
    sculpin_site.yml  
composer.json  
composer.lock  
output_dev/  
output_prod/  
source/  
  _includes/  
  _templates/  
  index.md  
vendor/
```



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output_prod/  
source/  
  _includes/  
  _templates/  
  index.md  
vendor/
```



Generate a site

- `vendor/bin/sculpin generate`
- `--server`
- `--watch`
- `--env`

source/index.md

```
1 ---
2 layout: default
3 title: Hello!
4 ---
5
6 Hello, World!
```


source/index.md

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source/index.md

```
1 ---
2 layout: default
3 title: Hello!
4 ---
5
6 Hello, World!
```

output_dev/index.html

```
1 <!DOCTYPE html>
2 <html>
3     <head>
4         <title>Hello!</title>
5     </head>
6     <body>
7         <p>Hello, World!</p>
8     </body>
9 </html>
```

output_dev/index.html

```
1 <!DOCTYPE html>
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output_dev/index.html

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9 </html>
```

Configuration

- Stored in app/config
 - sculpin_site.yml
 - sculpin_site_{env}.yml
- Key-value pairs

```
1 ---
2 name: oliverdavies.uk
3 menu_links:
4   - { title: Home, href: / }
5   - { title: About, href: /about }
```


Using on pages

```
<!DOCTYPE html>  
<html>  
  <head>  
    <title>{{ site.name }}</title>  
  </head>  
</html>
```

YAML front matter

```
---  
layout: post  
title: New blog post  
draft: yes  
---
```

YAML front matter

```
1 ---  
2 layout: post  
3 title: New blog post  
4 draft: yes  
5 ---
```

YAML front matter

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1 ---  
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3 title: New blog post  
4 draft: yes  
5 ---
```

YAML front matter

```
1 ---  
2 layout: post  
3 title: New blog post  
4 draft: yes  
5 ---
```



More front matter

```
1 ---
2 layout: post
3 title: New blog post
4 draft: yes
5 tags:
6   - drupal
7   - php
8   - sculpin
9 ---
```

Even more front matter

```
1 ---
2 layout: post
3 title: New blog post
4 draft: yes
5 tags:
6   - drupal
7   - php
8   - sculpin
9 tweets: yes
10 foo: bar
11 ---
```

Using on pages

```
1 ---
2 ...
3 testimonials:
4   - { name: ..., role: ..., text: ..., url: ... }
5   - { name: ..., role: ..., text: ..., url: ... }
6   - { name: ..., role: ..., text: ..., url: ... }
7 ---
8
9 {% for testimonial in page.testimonials %}
10   <h2>{{ testimonial.name }} - {{ testimonial.role }}</h2>
11   <p>{{ testimonial.text }}</p>
12 {% endfor %}
```


Using on pages

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10   <h2>{{ testimonial.name }} - {{ testimonial.role }}</h2>
11   <p>{{ testimonial.text }}</p>
12 {% endfor %}
```

Layouts

```
1 {# source/_layouts/base.html.twig #}
2
3 <!DOCTYPE html>
4 <html lang="{{ site.locale|default('en') }}">
5   <head>
6     <title>{{ site.name|default('Sculpin Skeleton') }}</title>
7   </head>
8   <body>
9     {% block body %}{% endblock %}
10  </body>
11 </html>
```

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```


Layouts

```
1 {# source/_layouts/page.html.twig #}  
2  
3 {% extends 'base' %}  
4  
5 {% block body %}  
6     {% block content %}{% endblock %}  
7 {% endblock %}
```

Layouts

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5 {% block body %}  
6     {% block content %}{% endblock %}  
7 {% endblock %}
```

Includes

```
{% include 'about-author' with {  
    avatar: site.avatar,  
    work: site.work,  
} only %}
```

```
{% for link in links %}  
    {% include 'menu-link' with { link } only %}  
{% endfor %}
```

Content types

```
# app/config/sculpin_kernel.yml
```

```
sculpin_content_types:  
  daily_emails:  
    permalink: daily/:slug_title/
```



Accessing custom content types

```
1 ---
2 title: My Daily Email Archive
3 layout: default
4 use:
5   - daily_email
6 ---
7
8 {% for email in data.daily_emails %}
9   <p>{{ email.title }}</p>
10 {% endfor %}
```

Accessing custom content types

```
1 ---
2 title: My Daily Email Archive
3 layout: default
4 use:
5   - daily_email
6 ---
7
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```


Accessing custom content types

```
1 ---
2 title: My Daily Email Archive
3 layout: default
4 use:
5   - daily_email
6 ---
7
8 {% for email in data.daily_emails %}
9   <p>{{ email.title }}</p>
10 {% endfor %}
```

Making things more dynamic

```
{{ 'today' }}
```

```
{{ 'today' | date }}
```

```
{{ 'today' | date('Y') }}
```

```
{{ 'today' | date('Y') - 2007 }} # 17 (years of experience)
```



```
{{ 'today' }}
```

```
{{ 'today' | date }}
```

```
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```

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```
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```

```
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```

```
{{ 'today' | date('Y') }}
```

```
{{ 'today' | date('Y') - 2007 }} # 17 (years of experience)
```



```
1 {{ 'today' }}
2
3 {{ 'today' | date }}
4
5 {{ 'today' | date('Y') }}
6
7 {{ 'today' | date('Y') - 2007 }} # 17 (years of experience)
```

```
1 ---
2 title: Daily Email Archive
3 use: [daily_emails]
4 ---
5
6 This is an archive of the {{ data.daily_emails|length }}
7 email messages I have sent to my daily email list
8 since the 12th of August, 2022.
```

This is an archive of the 599 email messages I have sent to my daily email list since the 12th of August, 2022.



```
1 ---
2 title: Building Static Websites with Sculpin
3 events:
4   - name: PHP Berkshire
5     date: 2024-08-28
6     location: Reading, UK
7     url: https://www.meetup.com/php-berkshire/events/301850284
8   - name: BrumPHP
9     date: 2024-05-23
10    location: Birmingham, UK
11    url: https://www.eventbrite.com/e/brumphp-23rd-may-2024-tickets-803037766577
12 ---
13
```



```
1 {% set talkCount = 0 %}  
2  
3 {% for talk in data.talks %}  
4     {% for event in talk.events if 'today'|date('U') >= event.date|date('U') %}  
5         {% set talkCount = talkCount + 1 %}  
6     {% endfor %}  
7 {% endfor %}  
8  
9 <p>I have given {{ talkCount }} talks.</p>  
10
```

```
1 {% set talkCount = 0 %}  
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3 {% for talk in data.talks %}  
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```

```
1 {% set talks = site.talks|filter(talk => talk.speaker == page.name) %}
2
3 {% if talks is not empty %}
4   <section>
5     <h2>Talks by {{ page.name }}</h2>
6
7     <div>
8       <ul>
9         {% for talk in talks %}
10          <li><a href="#0">{{ talk.title }}</a></li>
11          {% endfor %}
12        </ul>
13      </div>
14    </section>
15 {% endif %}
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14    </section>
15 {% endif %}
```

Demo

Extending Sculpin

```
# app/config/sculpin_kernel.yml
```

```
...
```

```
services:  
  App\TwigExtension\TalkExtension:  
    tags:  
      - { name: twig.extension }
```

opdavies/sculpin-twig-markd... x +

https://packagist.org/packages/opdavies/sculpin-twig-markdown-bundle

Packagist The PHP Package Repository

Composer 2 is available!


Browse Submit Create account Sign in

Search packages...

opdavies/sculpin-twig-markdown-bundle

composer require opdavies/sculpin-twig-markdown-bundle

Maintainers



Details

[github.com/opdavies/sculpin-twig-ma...](https://github.com/opdavies/sculpin-twig-markdown-bundle)

[Source](#)

[Issues](#)

Installs: 3 852

Dependents: 0

Suggesters: 0

Security: 0

Stars: 0

Watchers: 1

Forks: 0

Open Issues: 3

0.2.0 2019-11-11 15:04 UTC

requires	requires (dev)	suggests
<ul style="list-style-type: none">php: >=5.3.3	None	<ul style="list-style-type: none">sculpin/sculpin: @stable
provides	conflicts	replaces
None	None	None

dev-master

0.2.0


0.1.1


0.1.0




dev-add-tests

This package is auto-updated.

Last update: 2021-08-28 14:05:28 UTC

© MIT  da9b055a1981419a0e7d5b5e8e1de517d1d9d91e

 Oliver Davies <oliver@oliverdavies.uk>

 #twig  #markdown  #sculpin

```
// app/SculpinKernel.php

use Opdavies\Sculpin\Bundle\TwigMarkdownBundle\SculpinTwigMarkdownBundle;
use Sculpin\Bundle\SculpinBundle\HttpKernel\AbstractKernel;

final class SculpinKernel extends AbstractKernel
{
    protected function getAdditionalSculpinBundles(): array
    {
        return [
            SculpinTwigMarkdownBundle::class,
        ];
    }
}
```

Thanks!

References:

<https://www.oliverdavies.uk/phpberks>

Me:

- <https://www.oliverdavies.uk>
- @opdavies