Test Drive Twig with Sculpin

AKA Get Ready for Theming in Drupal 8

This Talk

- What is Sculpin, and why should I use it?

- How to install Sculpin

- How to build a Sculpin site

- How to do cool things with Twig

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whoami

Oliver Davies (opdavies)

- Drupaler since 2007
- Senior Developer at Microserve
- Drupal 7 and 8 core contributor
- Contrib project maintainer
- User group, sprint, conference organiser

whoami

Oliver Davies (opdavies)

- **Sculpin** hobbyist

- **Twig** enthusiast

- Former **Jekyll** user

Sculpin

What is Sculpin?

- Static site generator

- Open source

- Written in **PHP**, based on **Symfony** components

- **CLI** tool, based on **Symfony Console**

- **Markdown**/HTML/**Twig** > **HTML**

- Awesome for **small sites**, **HTML prototypes** and **learning Twig.**

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Why?

Why use a static site generator at all?

- **Reduces duplication** / D.R.Y.
- **Better performance** compared to dynamic sites
- **Faster to develop** (maybe?)

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Similarities

Drupal 8's little brother

- Both use **YAML** and **Twig**
- Both have **content types**
- Both have **taxonomies**
- Both have "**fieldable entities**"

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Getting Started

Installation and Configuration

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Install

```
$ curl -O https://download.sculpin.io/sculpin.phar

$ chmod +x sculpin.phar

$ mv sculpin.phar /usr/local/bin/sculpin
```

https://sculpin.io/download/

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Install

Alternatives

- Download via **Composer**
- Clone from **GitHub**
- Use **Sculpin Blog Skeleton** or **Sculpin Minimal**
- Use the **Ansible** role

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Basic Site Structure

```
app/
  config/
    sculpin_kernel.yml
    sculpin_site.yml
source/
  _layouts/
    default.html
  index.md
```

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Configure

app/config/sculpin_site.yml

```
title: Oliver Davies
```

source/_layouts/default.html

```
{{ site.title }}
```

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Configure

app/config/sculpin_site_prod.yml

```
imports:

    - sculpin_site.yml

url: http://www.oliverdavies.uk

google_analytics_tracking_code: UA-XXXXXX-1
```

Configure

source/_layouts/default.html

```
{% if site.google_analytics_tracking_code %}
   ...
{% endif %}
```

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Content Types

app/config/sculpin_kernel.yml

```
sculpin_content_types:
    posts:
        permalink: blog/:slug_title/
    talks:
```

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Taxonomies

app/config/sculpin_kernel.yml

```
sculpin_content_types:
    posts:
        permalink: blog/:slug_title/
        taxonomies: [ tags, categories ]
    talks:
```

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Taxonomies

source/_posts/2015-07-24-drupalcamp-north.md

```
---

title: DrupalCamp North

tags:

    - drupalcamp

    - drupalcamp-north
```

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Taxonomies

source/_layouts/post.html

```
---
use: [ 'tags' ]
---
{% for tag in page.tags %}
    {{ tag }}
{% endfor %}
```

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Themes (Experimental)

app/config/sculpin_kernel.yml

```
sculpin_theme:
    theme: opdavies/oliverdavies15
```

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Bundles

Adding custom functionality.

They are a thing.

Build

```
$ sculpin generate

$ sculpin generate --server

$ sculpin generate --server --watch

$ sculpin generate --env=prod
```

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Simplest Source File

source/index.md

```
---
---


# Hello World
```

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Simplest Source File

```
output_dev/
    index.html
```

YAML Front Matter

```
---

layout: default

title: About

---

# Hello World
```

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YAML Front Matter

```
---
layout: default

title: About

foo: bar
---

# Hello World
```

Twig

Layouts

source/_layouts/default.html

```
<body class="{% block body_classes '' %}">
    {% block content %}{% endblock %}
</body>
```

Blocks

source/about.html

```
---

{% block body_classes 'page--about' %}


{% block content %}

<p>Content</p>

{% endblock %}
```

Blocks

source/about.md

```
---
{% block body_classes 'page--about' %}

{% block content %}
Content
{% endblock %}
```

Template Inheritance

source/_layouts/post.html

```
{% extends 'default' %}


{% block content %}{% endblock %}
```

Partials

source/_partials/talk-listing-item.html

```
<li>
    {% if talk.link -%}<a href="{{ talk.link }}">{%-
endif -%}
    {{ talk.title }}
    {% if talk.link %}</a>{% endif %}
</li>
```

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Partials

source/talks.html

```
<ul>

    {% for talk in page.talks %}

        {% include('talk-listing-item') %}

    {% endfor %}

</ul>
```

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Partials

source/_partials/head.html

```
{% if page.meta.og %}
    {% include "og" with { og: page.meta.og } %}
{% endif %}
```

Twig

Tips & Tricks

Tips & Tricks

Filters

`{{ foo|`**`upper`**` }}`

`{{ bar|`**`lower`**` }}`

`{{ page.excerpt|`**`replace`**`( { 'h2': 'h3' } ) }}`

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Tips & Tricks

Rendering objects and arrays

```
{{ site.drupalorg.url }}
```

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Tips & Tricks

Loops

```
{% for meetup in site.meetups %}
    {% if loop.first %}
        ...
    {% endif %}
{% endfor %}
```

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Tips & Tricks

Conditional logic

```
{% if site.foo == 'bar' %}

    ...
{% else %}

    ...
{% endif %}
```

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Tips & Tricks

Conditional logic

```
{% set date = 'now'|date('Y') %}


{% for talk in page.talks if talk.date >= now %}
    ...
{% endfor %}
```

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Tips & Tricks

Shorthand blocks

```
{% block body_classes %}page--blog page--blog__list
{% endblock %}


{% block body_classes 'page--blog page--blog__list'
%}
```

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Tips & Tricks

Block appending

```
{% block sidebar %}
  {{ parent() }}
{% endblock %}
```

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Tips & Tricks

Whitespace

```
{% if site.foo == 'bar' -%}

    ...

{%- endif %}
```

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Tips & Tricks

Spaceless

```
{% spaceless %}

    ...

{% endspaceless %}
```

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Tips & Tricks

Raw output

```
{% raw %}

    {% if site.foo == 'bar' %} ... {% endif %}

{% endraw %}
```

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Links

Useful Links

- http://bit.ly/sculpin-twig-resources

Questions

@opdavies