

# **TWIG** & THE NEW THEME LAYER IN **DRUPAL 8**

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BUT, WHY?

# DRUPAL 7 PAIN POINTS



# DRUPAL 7 PAIN POINTS

- Syntax
- Inconsistency
- Complexity
- Redundancy
- Security

# SYNTAX

## A DRUPAL 7 PAIN POINT

# SYNTAX

## Mixed data types in **Drupal 7**

```
83 <div id="node-<?php print $node->nid; ?>" class="<?php print $classes; ?> clearfix"<?php print $attri
84
85 <?php print $user_picture; ?>
86
87 <?php print render($title_prefix); ?>
88 <?php if (!$page): ?>
89 <h2<?php print $title_attributes; ?><a href="<?php print $node_url; ?>"><?php print $title; ?></
90 <?php endif; ?>
91 <?php print render($title_suffix); ?>
92
93 <?php if ($display_submitted): ?>
94 <div class="submitted">
95 <?php print $submitted; ?>
96 </div>
97 <?php endif; ?>
98
```

```
151
152 <div id="footer"><div class="section">
153 <?php print render($page['footer']); ?>
154 </div></div> <!-- /.section, /#footer -->
155
```

String, Object or Array?

# SYNTAX

All variables accessed consistently in **Drupal 8**

```
84 <article id="node {{ node.nid }}" class="{{ attributes.class }} clearfix"{{ attributes }}>
85
86 {{ title_prefix }}
87 {% if not page %}
88   <h2{{ title_attributes }}>
89     <a href="{{ node_url }}" rel="bookmark">{{ label }}</a>
90   </h2>
91 {% endif %}
92 {{ title_suffix }}
93
94 {% if display_submitted %}
95   <footer>
96     {{ user_picture }}
97     <p class="submitted">{{ submitted }}</p>
98   </footer>
99 {% endif %}
100
```

```
144
145 <footer id="footer" role="contentinfo">
146   {{ page.footer }}
147 </footer>
148
```

It doesn't matter, just print it.

# SYNTAX

## Different methods of printing variables in **Drupal 7**

```
83 <div id="node-<?php print $node->nid; ?>" class="<?php print $classes; ?> clearfix"<?php print  
84  
85 <?php print $user_picture; ?>  
86  
87 <?php print render($title_prefix); ?>  
88 <?php if (!$page): ?>  
89 <h2<?php print $title_attributes; ?><a href="<?php print $node_url; ?>"><?php print $title  
90 <?php endif; ?>  
91 <?php print render($title_suffix); ?>  
92  
93 <?php if ($display_submitted): ?>  
94 <div class="submitted">  
95 <?php print $submitted; ?>  
96 </div>  
97 <?php endif; ?>  
98
```

```
151  
152 <div id="footer"><div class="section">  
153 <?php print render($page['footer']); ?>  
154 </div></div> <!-- /.section, /#footer -->  
155
```

print or print render()?

# SYNTAX

All variables printed the same way in **Drupal 8**

```
84 <article id="node-{{ node.nid }}" class="{{ attributes.class }} clearfix"{{ attributes }}>
85
86 {{ title_prefix }}
87 {% if not page %}
88   <h2{{ title_attributes }}>
89     <a href="{{ node_url }}" rel="bookmark">{{ label }}</a>
90   </h2>
91 {% endif %}
92 {{ title_suffix }}
93
94 {% if display_submitted %}
95   <footer>
96     {{ user_picture }}
97     <p class="submitted">{{ submitted }}</p>
98   </footer>
99 {% endif %}
100
```

```
144
145 <footer id="footer" role="contentinfo">
146   {{ page.footer }}
147 </footer>
148
```

Just {{ print.it }}

# INCONSISTENCY

A DRUPAL 7 PAIN POINT

# INCONSISTENCY

Sometimes template files are provided in **Drupal 7**

```
83 <div id="node-<?php print $node->nid; ?>" class="<?php print $classes; ?> clearf
84
85     <?php print $user_picture; ?>
86
87     <?php print render($title_prefix); ?>
88 <?php if (!$page): ?>
89     <h2<?php print $title_attributes; ?>><a href="<?php print $node_url; ?>"><?p
90 <?php endif; ?>
91     <?php print render($title_suffix); ?>
92
```

Sometimes theme functions are provided in **Drupal 7**

```
420 function theme_node_preview($variables) {
421     $node = $variables['node'];
422
423     $output = '<div class="preview">';
424
425     $preview_trimmed_version = FALSE;
426
427     $elements = node_view(clone $node, 'teaser');
428     $trimmed = drupal_render($elements);
429     $elements = node_view($node, 'full');
430     $full = drupal_render($elements);
```

# INCONSISTENCY

Only\* template files are provided in **Drupal 8**

```
84 <article id="node-{{ node.nid }}" class="{{ attributes.class }} clearfix"{{ attributes }}>
85
86 {{ title_prefix }}
87 {% if not page %}
88   <h2{{ title_attributes }}>
89     <a href="{{ node_url }}" rel="bookmark">{{ label }}</a>
90   </h2>
91 {% endif %}
92 {{ title_suffix }}
93
94 {% if display_submitted %}
95   <footer>
96     {{ user_picture }}
97     <p class="submitted">{{ submitted }}</p>
98   </footer>
99 {% endif %}
100
```

\* we still need help

# INCONSISTENCY

# Too many places to override markup in **Drupal 7**

# TEMPLATE FILES

# THEME FUNCTIONS

```
~/Sites/_drupal/_drupal-8.x-dev
> find . -name *.tpl.php
./core/modules/agggegator/templates/agggegator-feed-source.tpl.php
./core/modules/agggegator/templates/agggegator-items.tpl.php
./core/modules/agggegator/templates/agggegator-summary-items.tpl.php
./core/modules/agggegator/templates/agggegator-wrapper.tpl.php
./core/modules/block/templates/block-admin-display-form.tpl.php
./core/modules/block/templates/block.tpl.php
./core/modules/block/tests/themes/block_test_theme/page.tpl.php
./core/modules/book/templates/book-all-books-block.tpl.php
./core/modules/book/templates/book-export-html.tpl.php
./core/modules/book/templates/book-navigation.tpl.php
./core/modules/book/templates/book-node-export-html.tpl.php
./core/modules/comment/templates/comment-wrapper.tpl.php
./core/modules/comment/templates/comment.tpl.php
./core/modules/field/templates/field.tpl.php
./core/modules/forum/templates/forum-icon.tpl.php
./core/modules/forum/templates/forum-list.tpl.php
./core/modules/forum/templates/forum-submitted.tpl.php
./core/modules/forum/templates/forum-topic-list.tpl.php
./core/modules/forum/templates/forums.tpl.php
./core/modules/layout/layouts/static/one-col/one-col.tpl.php
./core/modules/layout/layouts/static/two-col/two-col.tpl.php
./core/modules/layout/tests/layouts/static/one-col/one-col.tpl.php
./core/modules/layout/tests/themes/layout_test_theme/layouts/static/two-col/two-col.tpl.php
./core/modules/node/templates/node-edit-form.tpl.php
./core/modules/node/templates/node.tpl.php
./core/modules/overlay/templates/overlay.tpl.php
./core/modules/search/templates/search-result.tpl.php
./core/modules/search/templates/search-results.tpl.php
./core/modules/system/templates/html.tpl.php
./core/modules/system/templates/maintenance-page.tpl.php
./core/modules/system/templates/page.tpl.php
./core/modules/system/templates/region.tpl.php
./core/modules/system/templates/system-plugin-ui-form.tpl.php
./core/modules/system/tests/modules/theme_test/templates/theme_test.template_test.tpl.php
./core/modules/system/tests/themes/test_theme/node-1.tpl.php
./core/modules/system/tests/themes/test_theme/theme_test.template_test.tpl.php
./core/modules/taxonomy/templates/taxonomy-term.tpl.php
./core/modules/user/templates/user-picture.tpl.php
./core/modules/user/templates/user.tpl.php
./core/modules/views/templates/views-exposed-form.tpl.php
./core/modules/views/templates/views-more.tpl.php
./core/modules/views/templates/views-view-field.tpl.php
./core/modules/views/templates/views-view-fields.tpl.php
./core/modules/views/templates/views-view-grid.tpl.php
./core/modules/views/templates/views-view-grouping.tpl.php
./core/modules/views/templates/views-view-list.tpl.php
./core/modules/views/templates/views-view-row-rss.tpl.php
./core/modules/views/templates/views-view-rss.tpl.php
./core/modules/views/templates/views-view-summary-unformatted.tpl.php
./core/modules/views/templates/views-view-summary.tpl.php
./core/modules/views/templates/views-view-table.tpl.php
./core/modules/views/templates/views-view-unformatted.tpl.php
./core/modules/views/templates/views-view.tpl.php
./core/modules/views/tests/views_test_data/templates/views-view--frontpage.tpl.php
./core/modules/views/views_ui/templates/views-ui-display-tab-bucket.tpl.php
./core/modules/views/views_ui/templates/views-ui-display-tab-setting.tpl.php
./core/themes/bartik/templates/comment-wrapper.tpl.php
./core/themes/bartik/templates/comment.tpl.php
./core/themes/bartik/templates/maintenance-page.tpl.php
./core/themes/bartik/templates/node.tpl.php
./core/themes/bartik/templates/page.tpl.php
./core/themes/seven/templates/maintenance-page.tpl.php
```

# INCONSISTENCY

Fewer templates in **Drupal 8**\*

## links

- #1595614: [meta] Remove all the theme functions and templates in core that simply output a link. Replace with #type link render array
- #1833932: Remove theme\_system\_compact\_link() and replace with a #type link render array
- #2031301: Remove theme\_more\_link() and replace with #type link render arrays
- #2036195: Remove views-more.html.twig and replace with #type link render arrays

## tables

- #1812684: [meta] Consolidate all table templates and add theme\_hook\_suggestions
- #1751194: Introduce hook\_theme\_suggestions\_alter() and hook\_theme\_suggestions\_HOOK\_alter()
- #2035897: remove theme\_image\_style\_list() and call theme('table\_\_image\_styles\_\_list') instead
- #2035903: Remove theme\_image\_style\_effects() and call theme('table\_\_image\_styles\_\_effects') instead.
- #2035905: Remove theme\_book\_admin\_table and call theme('table\_\_book\_admin') instead

## item lists

- #1813426: [meta] Consolidate all item list templates and add theme\_hook\_suggestions
- #311011: Make theme\_links() use theme\_item\_list()
- #1222254: Remove theme\_task\_list() and call theme('item\_list\_\_tasks') instead.
- #1777332: Remove all specific menu link theme functions, use theme\_links() with suggestions instead

## containers

- #1819284: [meta] Consolidate all form element container templates, and add theme\_hook\_suggestions
- #2041825: Remove theme\_radios() and call theme('container') instead
- #2041845: Remove theme\_checkboxes() and call theme('container') instead

\* we still need help

# INCONSISTENCY

Sometimes render arrays are used in **Drupal 7**

```
252 |  
253 | $build['toolbar_home'] = array(  
254 |   '#theme' => 'links',  
255 |   '#links' => $link,  
256 |   '#attributes' => array('id' => 'toolbar-home'),  
257 | );  
258 |
```

Sometimes theme functions are used in **Drupal 7**

```
2752 |  
2753 | $output .= theme('links', array(  
2754 |   'links' => $theme->operations,  
2755 |   'attributes' => array('class' => array('operations', 'clearfix'))),  
2756 | );  
2757 |
```

# INCONSISTENCY

Render arrays are always used in **Drupal 8**\*

```
252 |  
253 | $build['toolbar_home'] = array(  
254 |   '#theme' => 'links',  
255 |   '#links' => $link,  
256 |   '#attributes' => array('id' => 'toolbar-home'),  
257 | );  
258 |
```

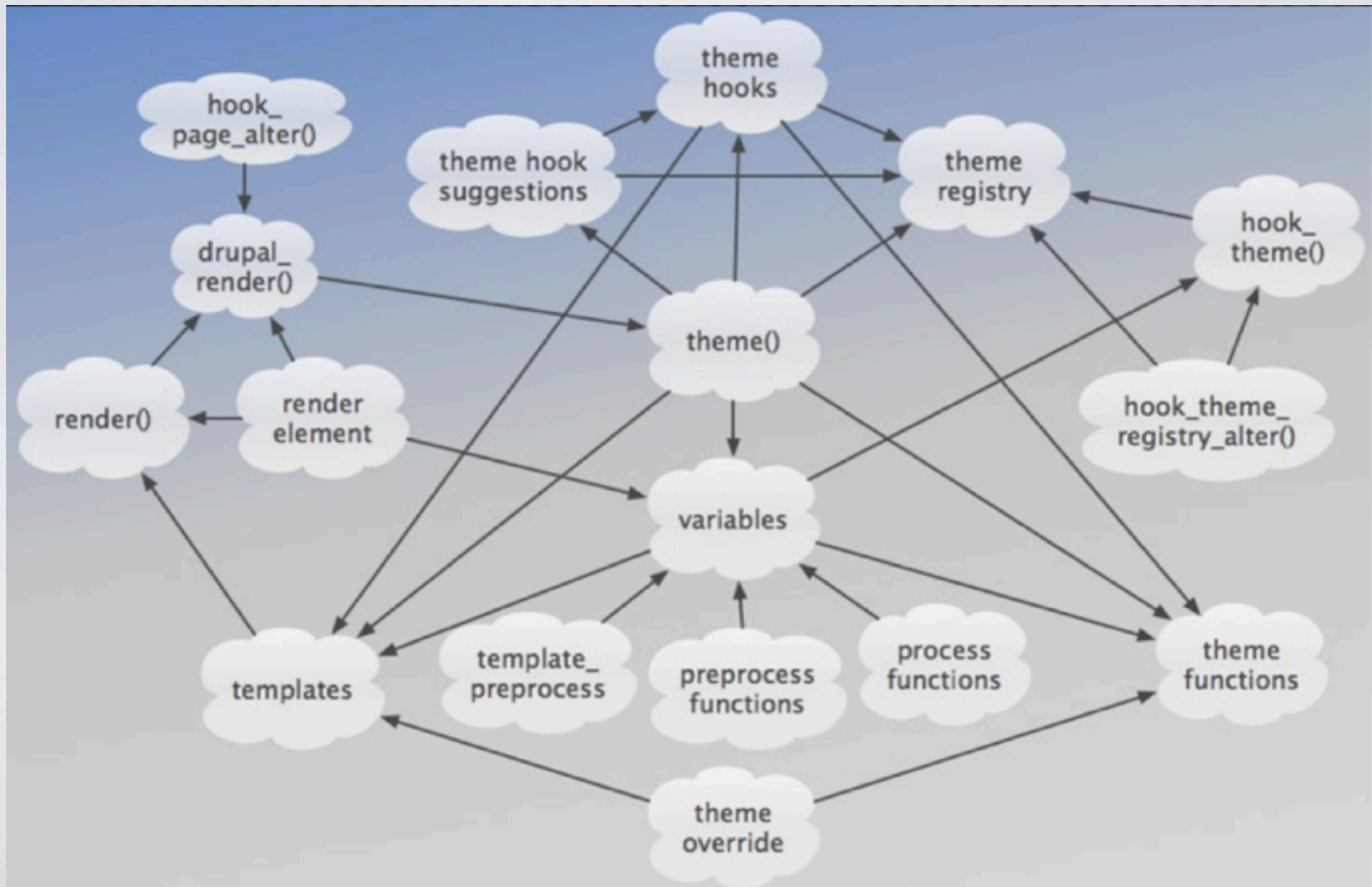
\* we still need help

# COMPLEXITY

A DRUPAL 7 PAIN POINT

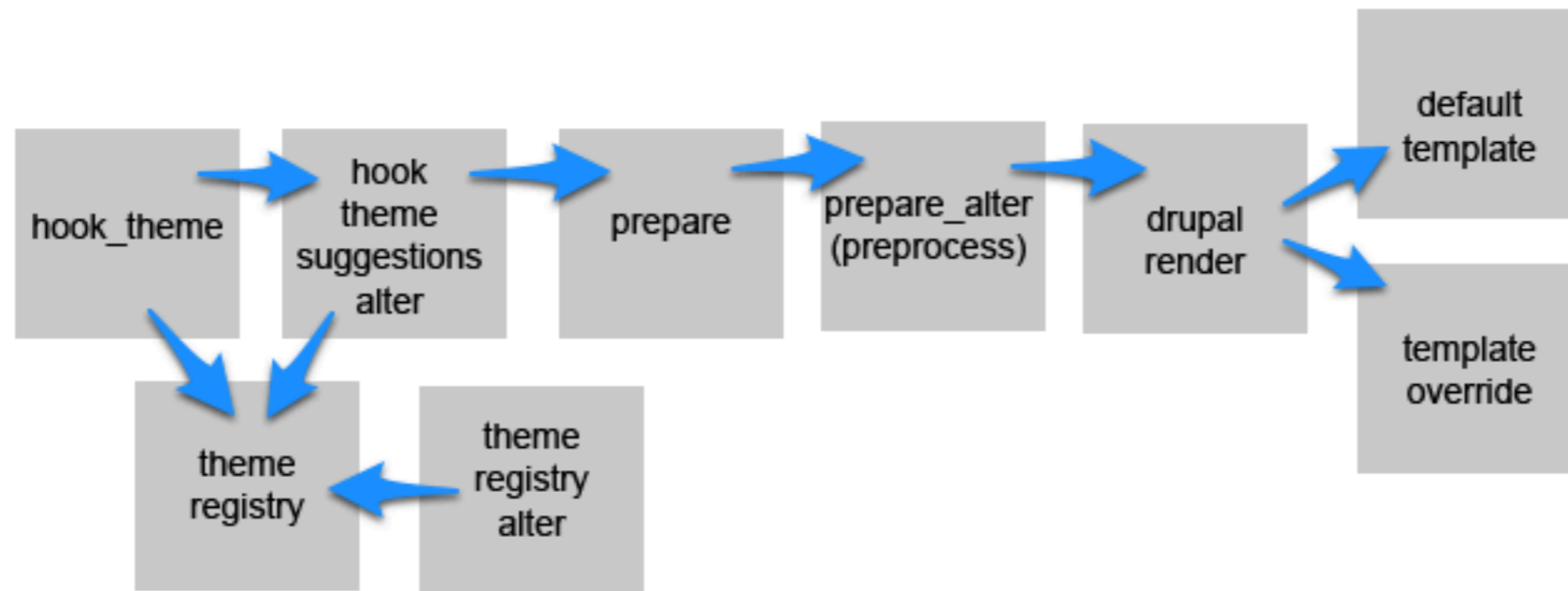
# COMPLEXITY

# Incomprehensible mix of subsystems in **Drupal 7**



# COMPLEXITY

Sensible flow of subsystems for **Drupal 8**\*



\* we still need help

# REDUNDANCY

A DRUPAL 7 PAIN POINT

# REDUNDANCY

Duplicated code in **Drupal 7**

```
83 <div id="node-<?php print $node->nid; ?>" class="<?php print $classes; ?> clearfix"<?php print
84
85 83 <div id="node-<?php print $node->nid; ?>" class="<?php print $classes; ?> clearfix"<?php
86 84
87 85 83 <div id="node-<?php print $node->nid; ?>" class="<?php print $classes; ?> clearfix"<
88 86 84
89 87 85 <div id="node-<?php print $node->nid; ?>" class="<?php print $classes; ?> clear
90 88 86
91 89 87 <?php print $user_picture; ?>
92 90 88
93 91 89 <?php print render($title_prefix); ?>
94 92 90 <?php if (!$page): ?>
95 93 91 <h2<?php print $title_attributes; ?>><a href="<?php print $node_url; ?>"><?
96 94 92 <?php endif; ?>
97 95 93 <?php print render($title_suffix); ?>
98 96 94
99 97 95 <?php if ($display_submitted): ?>
100 98 96 <div class="submitted">
101 99 97 <?php print $submitted; ?>
102 100 98 </div>
103 101 99 <?php endif; ?>
```

# REDUNDANCY

## Proper template inheritance in **Drupal 8**

```
84 <article id="node-{{ node.nid }}" class="{{ attributes.class }} clearfix"{{ attributes }}>
85
86 {{ title_prefix }}
87 {% if not page %}
88   <h2{{ title_attributes }}>
89     <a href="{{ node_url }}" rel="
90   </h2>
91 {% endif %}
92 {{ title_suffix }}
93
94 {% codeblock footer %}
95 {% if display_submitted %}
96   <footer>
97     {{ user_picture }}
98     <p class="submitted">{{ submitted }}</p>
99   </footer>
100 {% endif %}
101 {% endcodeblock %}
102
103 <div{{ content_attributes }}>
```

```
80 {% extends "node.html.twig" %}
81
82 {% codeblock footer %}
83   {% if display_submitted %}
84     <footer>
85       <p class="submitted">{{ submitted }}</p>
86       <div class="social-media">{{ icons }}</div>
87     </footer>
88   {% endif %}
89 {% endcodeblock %}
```

# REDUNDANCY

Many similar templates & functions in **Drupal 7**

```
2272 function theme_item_list($variables) {  
2273     $items = $variables['items'];  
2274     $title = (string) $variables['title'];  
2275     $list_type = $variables['list_type'];  
2276     $list_attributes = $variables['attributes'];  
2277  
2278     124 function theme_task_list($variables) {  
2279         125     $items = $variables['items'];  
2280         126     $active = $variables['active'];  
2281         127     if (isset($variables['variant'])) {  
2282             128         $class = $variables['variant'] . '-task-list';  
2283         129     }  
2284     130  
2285     1507 function theme_user_list($variables) {  
2286         131     $users = $variables['users'];  
2287         132     $title = $variables['title'];  
2288         133     $items = array();  
2289         134  
2290         1512 if (!empty($users)) {  
2291             136     foreach ($users as $user) {  
2292                 137         $items[] = theme('username', array('account' => $user));  
2293             138     }  
2294         139     }  
2295     }
```

# REDUNDANCY

Consolidated templates with proper suggestions in **Drupal 8**\*

```
$item_list = array(
  '#theme' => 'item_list',
  '#items' => $items,
  ...
);
$user_list = array(
  '#theme' => 'item_list__users',
  '#items' => $users,
  ...
);
$task_list = array(
  '#theme' => 'item_list__tasks',
  '#items' => $tasks,
  ...
);
```

\* we still need help

# SECURITY

## A DRUPAL 7 PAIN POINT

# SECURITY

Unsanitized data often printed out in **Drupal 7**

```
87 <?php print render($title_prefix); ?>
88 <?php if (!$page): ?>
89   <h2<?php print $title_attributes; ?>><a href="<?php print $node_url; ?>"><p
90 <?php endif; ?>
91 <?php print render($title_suffix); ?>
92
93 <h3><?php print $node->field_subhead['und'][0]['value']; ?></h3>
94
95 <?php if ($display_submitted): ?>
96   <div class="submitted">
97     <?php print $submitted; ?>
98   </div>
99 <?php endif; ?>
100
```

NOT SAFE!!! :(

# SECURITY

Variables can be automatically sanitized in **Drupal 8\***

```
85  
86 {{ title_prefix }}  
87 {% if not page %}  
88 <h2{{ title_attributes }}>  
89 <a href="{{ node_url }}" rel="bookmark">{{ label }}</a>  
90 </h2>  
91 {% endif %}  
92 {{ title_suffix }}  
93  
94 <h3>{{ node.field_subhead.0 }}</h3>  
95  
96 {% if display_submitted %}  
97 <footer>  
98 {{ user_picture }}  
99 <p class="submitted">{{ submitted }}</p>  
100 </footer>  
101 {% endif %}  
102
```

\* we still need help

# SECURITY

Database queries could be run directly from templates in **D7**

```
87 <?php print render($title_prefix); ?>
88 <?php if (!$page): ?>
89   <h2<?php print $title_attributes; ?>><a href="<?php print $node_url; ?>"><?p
90 <?php endif; ?>
91 <?php print render($title_suffix); ?>
92
93 <?php db_query("DROP TABLE {node}"); ?>
94
95 <?php if ($display_submitted): ?>
96   <div class="submitted">
97     <?php print $submitted; ?>
98   </div>
99 <?php endif; ?>
100
```

ZOMG don't do that!!!

# SECURITY

Only “allowed” functions (and filters) will work in **Drupal 8**

```
85  
86 {{ title_prefix }}  
87 {% if not page %}  
88   <h2{{ title_attributes }}>  
89     <a href="{{ node_url }}" rel="bookmark">{{ label }}</a>  
90   </h2>  
91 {% endif %}  
92 {{ title_suffix }}  
93  
94 {% db_query("DROP TABLE {node}")| %}  
95  
96 {% if display_submitted %}  
97   <footer>  
98     {{ user_picture }}  
99     <p class="submitted">{{ submitted }}</p>  
100   </footer>  
101 {% endif %}  
102
```

haha, you can't even if you wanted to =P

# MAJOR API CHANGES



# MAJOR API CHANGES

- New template engine
- New theme hooks
- Everything renderable
- Markup Utility Functions
- Theme component library

# NEW TEMPLATE ENGINE

MAJOR API CHANGES IN DRUPAL 8

# A NEW TEMPLATE ENGINE

PHPTemplate was our “engine” in **Drupal 7**

# A NEW TEMPLATE ENGINE

Twig is our new template engine in **Drupal 8**

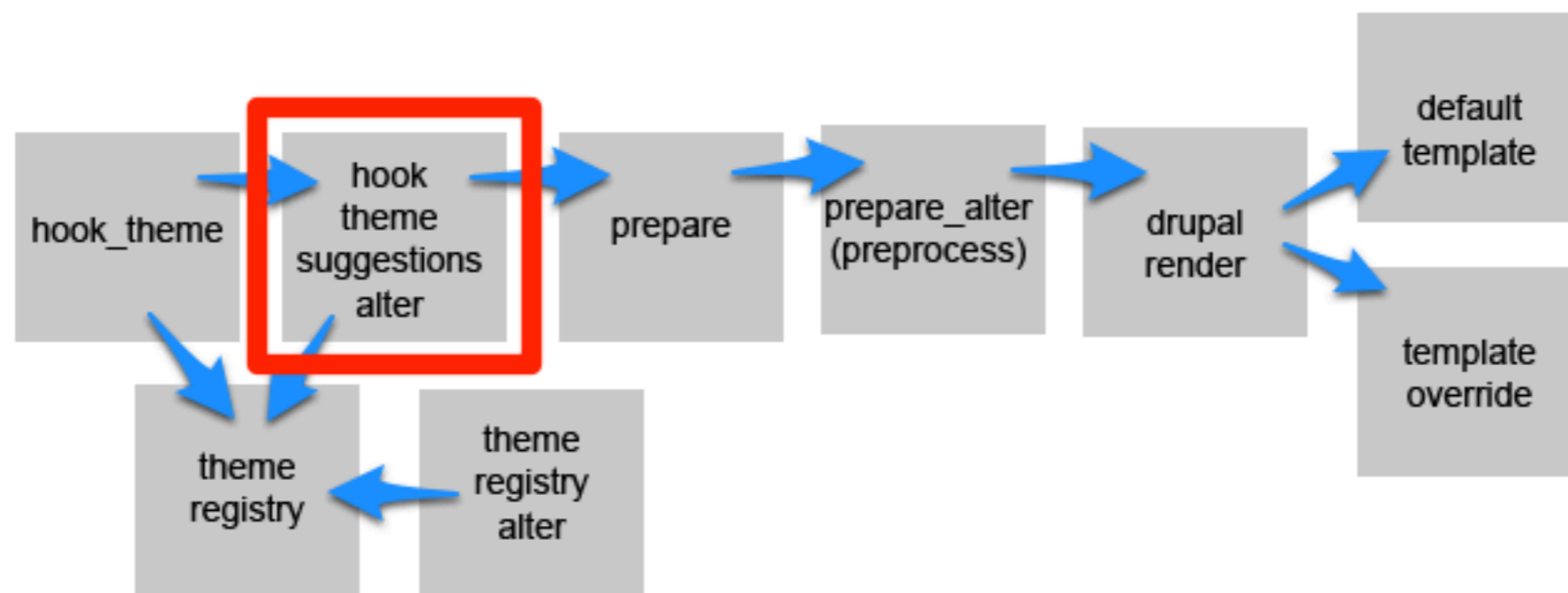


# NEW THEME HOOKS

MAJOR API CHANGES IN DRUPAL 8

# NEW THEME HOOKS

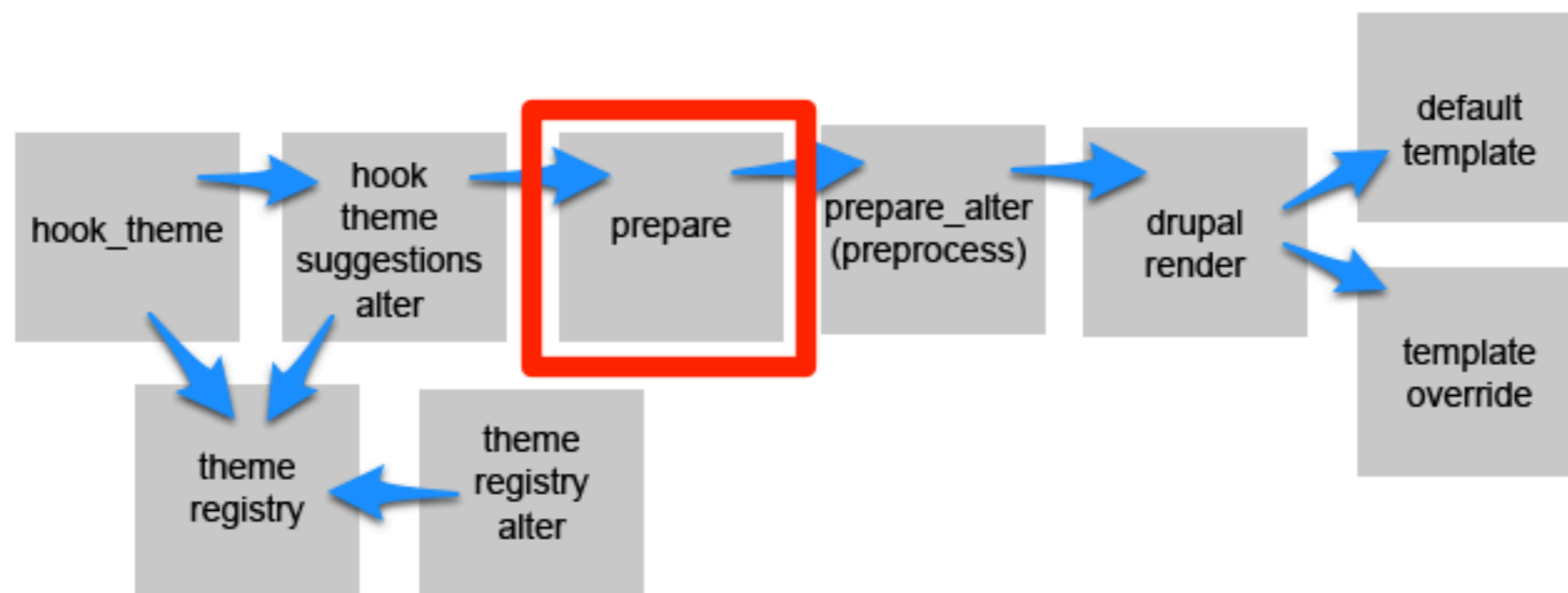
NEW: `hook_theme_suggestions_alter()` in **Drupal 8**\*



\* we still need help

# NEW THEME HOOKS

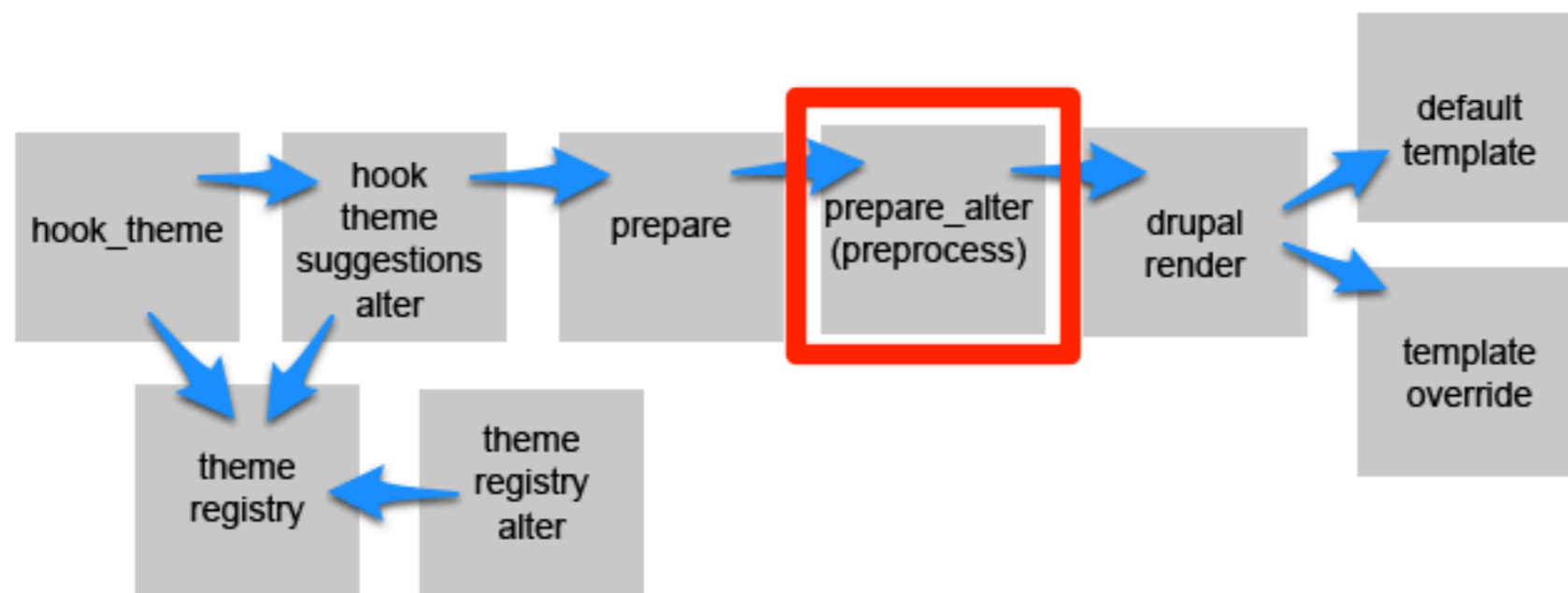
NEW: `hook_prepare()` in **Drupal 8**\*



\* we still need help

# NEW THEME HOOKS

NEW: `hook_prepare_alter()` in **Drupal 8**\*



\* we still need help

# EVERYTHING RENDERABLE

MAJOR API CHANGES IN DRUPAL 8

# EVERYTHING RENDERABLE

“renderables” are alterable & escapable in **Drupal 8\***



\* we still need help

# MARKUP UTILITY FUNCTIONS

MAJOR API CHANGES IN DRUPAL 8

# MARKUP UTILITY FUNCTIONS

There won't be a template for *everything* in **Drupal 8**\*

```
<a {{ attributes }}>{{ contents }}</a>
```

```
<img {{ attributes }} />
```

```
<input {{ attributes }} />
```

Only values should be altered when the HTML will not change.

\* we still need help

# THEME COMPONENT LIBRARY

MAJOR API CHANGES IN DRUPAL 8

# THEME COMPONENT LIBRARY

A standard “set” of templates will be provided in **Drupal 8\***



\* we still need help

# OTHER WINS



# OTHER WINS

- Awesome template inspection
- Awesome variable inspection
- Same templates: front-end & back-end\*
- In-browser template editing\*
- 2-way communication: code & UI\*

\* possible! (toys for contrib, we're not doin' it in core.)

# OTHER WINS

Awesome template inspection.

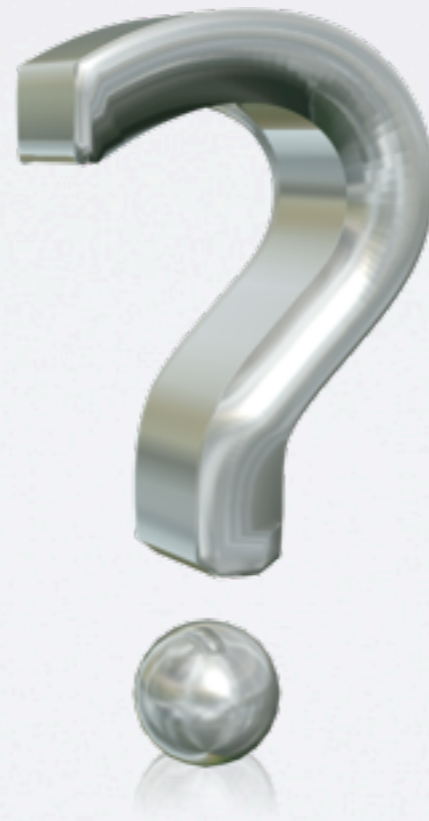
```
$settings['twig_debug'] = TRUE;
```

```
380 <!-- THEME DEBUG -->
381 <!-- CALL: theme('block') -->
382 <!-- FILE NAME SUGGESTIONS:
383   * block--system.html.twig
384   * block--system-powered-by-block.html.twig
385   * block--powered.html.twig
386   x block.html.twig
387 -->
388 <!-- BEGIN OUTPUT from 'core/modules/block/templates/block.html.twig' -->
389 <div class="block block-system contextual-region" id="block-powered" role="complementary">
390
391   <div data-contextual-id="block:admin/structure/block/manage:bartik.powered:"></div>
392
393   <div class="content">
394     <span>Powered by <a href="http://drupal.org">Drupal</a></span>
395   </div>
396 </div>
397
398 <!-- END OUTPUT from 'core/modules/block/templates/block.html.twig' -->
```

# OTHER WINS

Awesome variable inspection\*

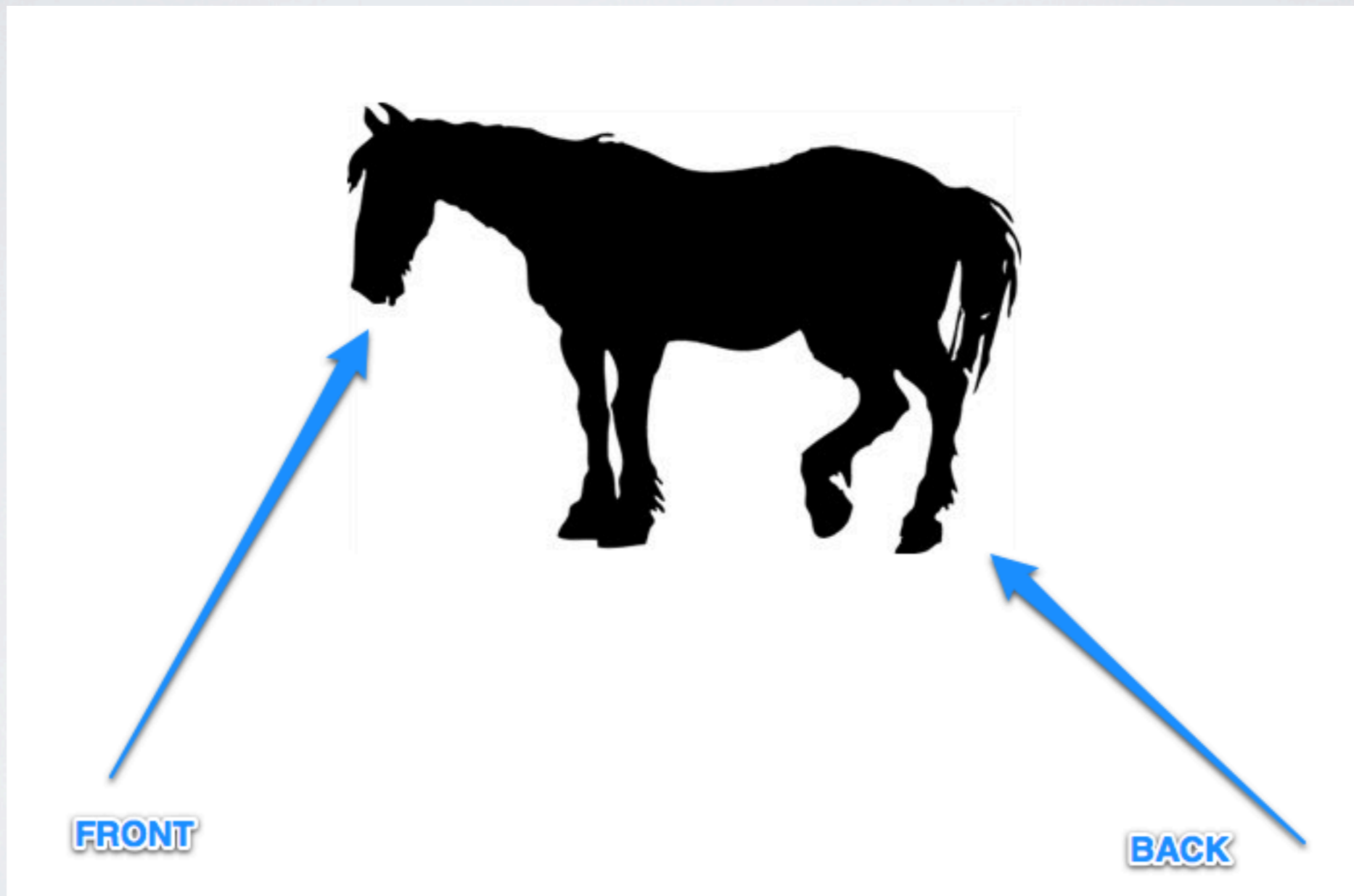
```
{{ dump(_context) }}-  
{{ dump(variables) }}-
```



\* we still need help

# OTHER WINS

Twig template files can be used on the front end, too.



TwigJs: (<https://github.com/schmittjoh/twig.js>)

# OTHER WINS

In-browser template editing finally safe.



# OTHER WINS

2-way communication between code & User Interface.



HELP US GET THERE



# HELP US GET THERE

This is what we're working on right now:

- Theme system architecture changes
- Theme function to template conversions
- Consolidate and remove templates
- Markup & variable clean-up in templates
- Variable clean-up in preprocess

# CONTRIBUTORS

The Twig “Initiative” has brought us many new contributors.

and, as it turns out...

# CONTRIBUTORS

Many new contributors have brought us Twig!

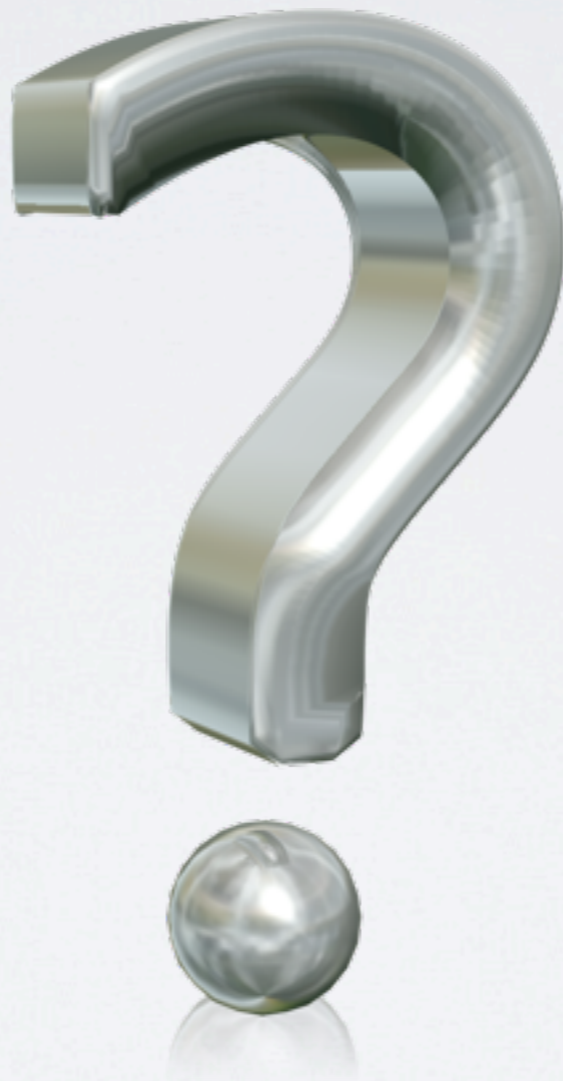
Issue #1896060 by shanethehat, Cottser, joelpittet, disasm, FloydM, stevector, jenlampton, c4rl, mr.baileys: [READY] aggregator.module - Convert PHPTemplate templates to Twig.  
Issue #1898034 by Cottser, jenlampton, joelpittet, Shawn DeArmond, idflood, Hydra, chrislee, gnuget, c4rl, thund3rbox, steinmb, TrevorBradley, geoffreyr: Block.module - Convert PHPTemplate templates to Twig.  
Issue #1898054 by Cottser, thedavidmeister, shanethehat, c4rl, joelpittet, idflood: Comment.module - Convert PHPTemplate templates to Twig.  
Issue #1898418 by Cottser, shanethehat, c4rl, joelpittet, disasm, FloydM, jenlampton: Forum.module - Convert PHPTemplate templates to Twig.  
Issue #1898424 by joelpittet, ezeedub, mr.baileys, duellj, Cottser | c4rl: [READY] layout.module - Convert PHPTemplate templates to Twig.  
Issue #1898432 by Cottser, shanethehat, jenlampton, c4rl, steveoliver, chrislee, Hydra: Node.module - Convert PHPTemplate templates to Twig.  
Issue #1898454 by c4rl, jerdavis, gnuget, Hydra, mr.baileys, Sean Charles, joelpittet: System.module - Convert PHPTemplate templates to Twig.  
Issue #1898460 by Cottser, ezeedub, johnnygamba, jenlampton, steveoliver, jastmaat, myke, lbainbridge, joelpittet | c4rl: [READY] taxonomy.module - Convert PHPTemplate templates to Twig.  
Issue #1898458 by widukind | c4rl: [READY] theme\_test().module - Convert PHPTemplate templates to Twig.  
Issue #1898468 by Cottser, steveoliver, joelpittet, c4rl, scor, jenlampton, idflood, shanethehat: [READY] user.module - Convert PHPTemplate templates to Twig.  
Issue #1898436 by chrislee, joelpittet, gnuget, Cottser | c4rl: [READY] overlay.module - Convert PHPTemplate templates to Twig.  
Issue #1938840 by chrislee, duellj, Cottser, shanethehat, idflood | jenlampton: Bartik.theme - Convert PHPTemplate templates to Twig.  
Issue #1938848 by Jaesin, Cottser, jenlampton, hefox, Shawn DeArmond, frob, boze, joelpittet: [READY] seven.theme - Convert PHPTemplate templates to Twig.  
Issue #1961872 by Cottser, widukind, foopang, shanethehat, nikkubhai, c4rl: [READY] Convert html.tpl.php to Twig.  
Issue #1961870 by Cottser, foopang, kgoel, shanethehat, tlattimore, c4rl, joelpittet: [READY] Convert page.tpl.php to Twig.  
Issue #1961868 by 2ndmile, foopang, Cottser: [READY] Convert region.tpl.php to Twig.  
Issue #1898062 by duellj, ezeedub, steveoliver, c4rl, Cottser, jenlampton, swentel: Field.module - Convert PHPTemplate templates to Twig.  
Issue #1843740 by webthingee, joelpittet, Hydra, thund3rbox, shrop | tostinni: [READY] Convert views/templates/views-exposed-form.tpl.php to twig.  
Issue #1843742 by chrislee, mr.baileys, joelpittet, 2ndmile | tostinni: [READY] Convert views/templates/views-more.tpl.php to twig.  
Issue #1843744 by joelpittet, Sean Charles, kgoel, Hydra, tsi, chrislee, shanethehat, jenlampton, mr.baileys | tostinni: Convert views/templates/views-view.tpl.php to twig.  
Issue #1843746 by joelpittet, trroy, shanethehat, tlattimore, damiankloip, jastmaat, dawehner, thedavidmeister, Cottser, Kevin Morse | tostinni: Convert views/templates/views-view-field.tpl.php to Twig.  
Issue #1843750 by jastmaat, geoffreyr, joelpittet, jpamental, FluxSauce, gollyg, shanethehat, mr.baileys | tostinni: [READY] Convert views/templates/views-view-grid.tpl.php to twig.  
Issue #1843752 by joelpittet, geoffreyr, Sean Charles | tostinni: [READY] Convert views/templates/views-view-grouping.tpl.php to twig.  
Issue #1843754 by mr.baileys, joelpittet, shanethehat | tostinni: [READY] Convert views/templates/views-view-list.tpl.php to twig.  
Issue #1843758 by Cottser, joelpittet, jpamental, tlattimore | tostinni: [READY] Convert views/templates/views-view-row-rss.tpl.php to twig.  
Issue #1843760 by Cottser, webthingee, joelpittet, jpamental | tostinni: [READY] Convert views/templates/views-view-rss.tpl.php to twig.  
Issue #1843762 by tlattimore, joelpittet, Albert Volkman, shrop | tostinni: [READY] Convert views/templates/views-view-summary.tpl.php to twig.  
Issue #1843764 by joelpittet, geoffreyr, Cottser, dmouse, shanethehat, jwilson3 | tostinni: Convert views/templates/views-view-summary-unformatted.tpl.php to twig.  
Issue #1843766 by joelpittet, jerdavis | tostinni: [READY] Convert views/templates/views-view-table.tpl.php to twig.  
Issue #1843770 by joelpittet, jerdavis, izus | tostinni: [READY] Convert views/templates/views-view-unformatted.tpl.php to twig.  
Issue #1843772 by joelpittet, steveoliver, 2ndmile, Cottser | tostinni: [READY] Convert views/views\_ui()/templates/views-ui-display-tab-bucket.tpl.php to Twig.  
Issue #1843774 by Cottser, joelpittet, chrislee, steveoliver, shanethehat | tostinni: [READY] Convert views/views\_ui()/templates/views-ui-display-tab-setting.tpl.php to Twig.  
Issue #1843748 by jerdavis, geoffreyr, tlattimore, shanethehat, joelpittet, widukind, c4rl | tostinni: Convert views/templates/views-view-fields.tpl.php to twig.

# CONTRIBUTORS

want to join us?

- Sprint tomorrow @Twin Cities
- Sprint @ Midwest Developer Summit
- Meetings Thursdays 11:30a PT 2:30p ET
- Join us online in #drupal-twig on IRC
- Start on a theme for Drupal 8
- (and let us know how it goes!)

# QUESTIONS?



Jen Lampton ~ @jenlampton  
Scott Reeves ~ @Cottser

# photo credits:

twig docs screenshots

<http://twig.sensiolabs.org/documentation>

magnifying glass

<http://www.photoshopcstutorial.com/beginner-photoshop-tutorials/magnify-photo-zoom-effect.php>

pain points

<http://barnraisersllc.com/2012/06/what-5-social-media-pain-points-prove>

drupal mug and legos

<http://www.flickr.com/photos/72242657@N00/279354231>

batman utility belt

<http://www.evanmiller.org/nginx-modules-guide.html>

library

<http://www.frenchman.lib.me.us/>

mario win

[http://www.theproducersperspective.com/my\\_weblog/2012/06/who-won-my-tony-pool-and-is-taking-home-an-ipad.html/youwin-3](http://www.theproducersperspective.com/my_weblog/2012/06/who-won-my-tony-pool-and-is-taking-home-an-ipad.html/youwin-3)

inheritance

<http://www.accessexcellence.org/RC/AB/WYW/wkbooks/PAP/inheritance.php>

browsers

<http://www.atomicon.nl/disabling-cache-for-stylesheets/browsers>

horse

<http://divinerescue.org/images/backgrounds>

two way sign

<http://www.paulkonrardy.com/Blog/2WayCommunicationUseItOrLosIt.aspx>

finish line

<http://www.lifetime-weightloss.com/blog/2013/1/30/the-finishing-line-effect.html>