

# TWIG AND THE NEW THEME LAYER IN DRUPAL 8

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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; ?>
```

152  
153  
154  
155

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

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 %}-  
  <h2{{ title_attributes }}>-
88    <a href="{{ node_url }}" rel="bookmark">&nbsp;{{ label }}</a>-
89  </h2>-
90 {%- endif %}-  
  {{ title_suffix }}|
91
92 {%- if display_submitted %}-  
  <footer>-
93    {{ user_picture }}-
94    <p class="submitted">{{ submitted }}</p>-
95  </footer>-
96 {%- endif %}-
```

```
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 $node->content; ?>
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 $title; ?></a>
90   <?php endif; ?>
91   <?php print render($title_suffix); ?>
92 
93   <?php if ($display_submitted): ?>
94     <div class="submitted">
95       <?php print $submitted; ?>
96     </div>
97   <?php endif; ?>
```

151  
152  
153  
154  
155

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

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 %}-
```

```
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   <?php print $user_picture; ?>
85   <?php print render($title_prefix); ?>
86   <?php if (!$page): ?>
87     <h2<?php print $title_attributes; ?>><a href="<?php print $node_url; ?>"><?pl
88   <?php endif; ?>
89   <?php print render($title_suffix); ?>
90 <?php
91 <?php
92 </div>
```

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

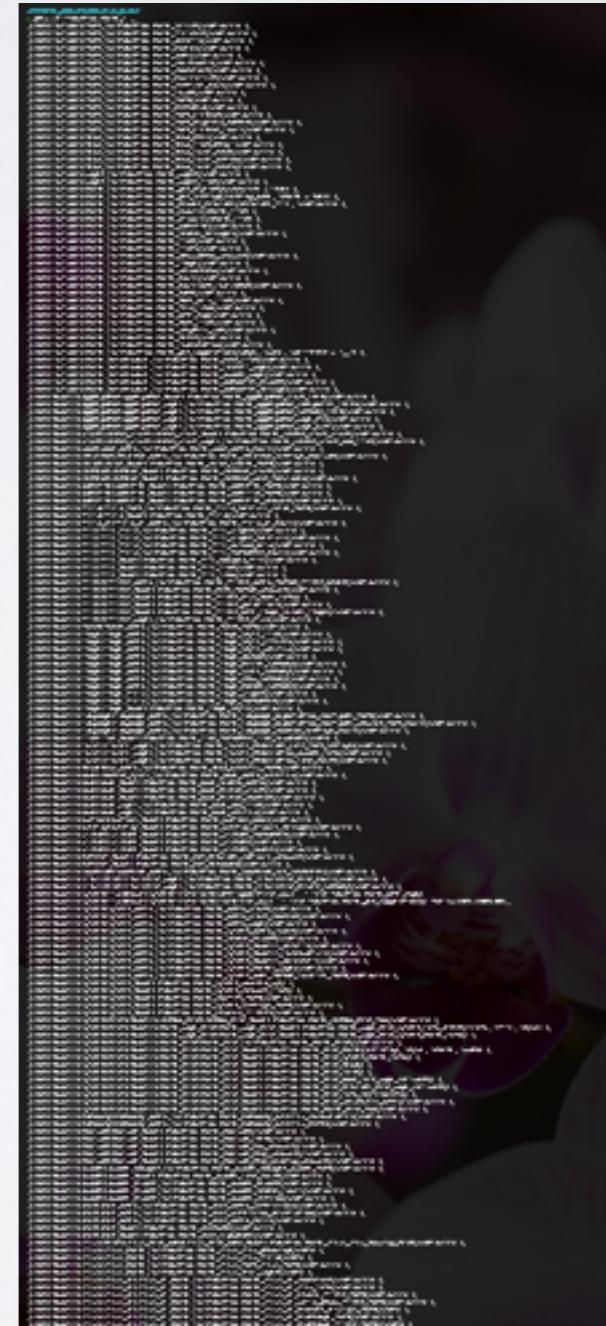
Too many places to override markup in **Drupal 7**

## TEMPLATE FILES

```
#!/bin/sh
# Find all template files in the core modules
find . -name *.tpl.php
```

./core/modules/aggregator/templates/aggregator-feed-source.tpl.php  
./core/modules/aggregator/templates/aggregator-item.tpl.php  
./core/modules/aggregator/templates/aggregator-summary-items.tpl.php  
./core/modules/aggregator/templates/aggregator-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-blocks-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/forum.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/themes/test-theme/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  
./core/themes/seven/templates/node.tpl.php

## THEME FUNCTIONS



# 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 arrays.
- #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\_hookSuggestions
- #1751194: Introduce hook\_themeSuggestionsAlter() and hook\_themeSuggestionsHOOKAlter()
- #2035897: remove themeImageStyleList() and call theme('table\_image\_styles\_list') instead
- #2035903: Remove themeImageStyleEffects() and call theme('table\_image\_styles\_effects') instead.
- #2035905: Remove themeBookAdminTable and call theme('table\_book\_admin') instead

### item lists

- #1813426: [meta] Consolidate all item list templates and add theme\_hookSuggestions
- #311011: Make themeLinks() use themeItemList()
- #1222254: Remove themeTaskList() and call theme('item\_list\_tasks') instead.
- #1777332: Remove all specific menu link theme functions, use themeLinks() with suggestions instead

### containers

- #1819284: [meta] Consolidate all form element container templates, and add theme\_hookSuggestions
- #2041825: Remove themeRadios() and call theme('container') instead
- #2041845: Remove themeCheckboxes() 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 |
```

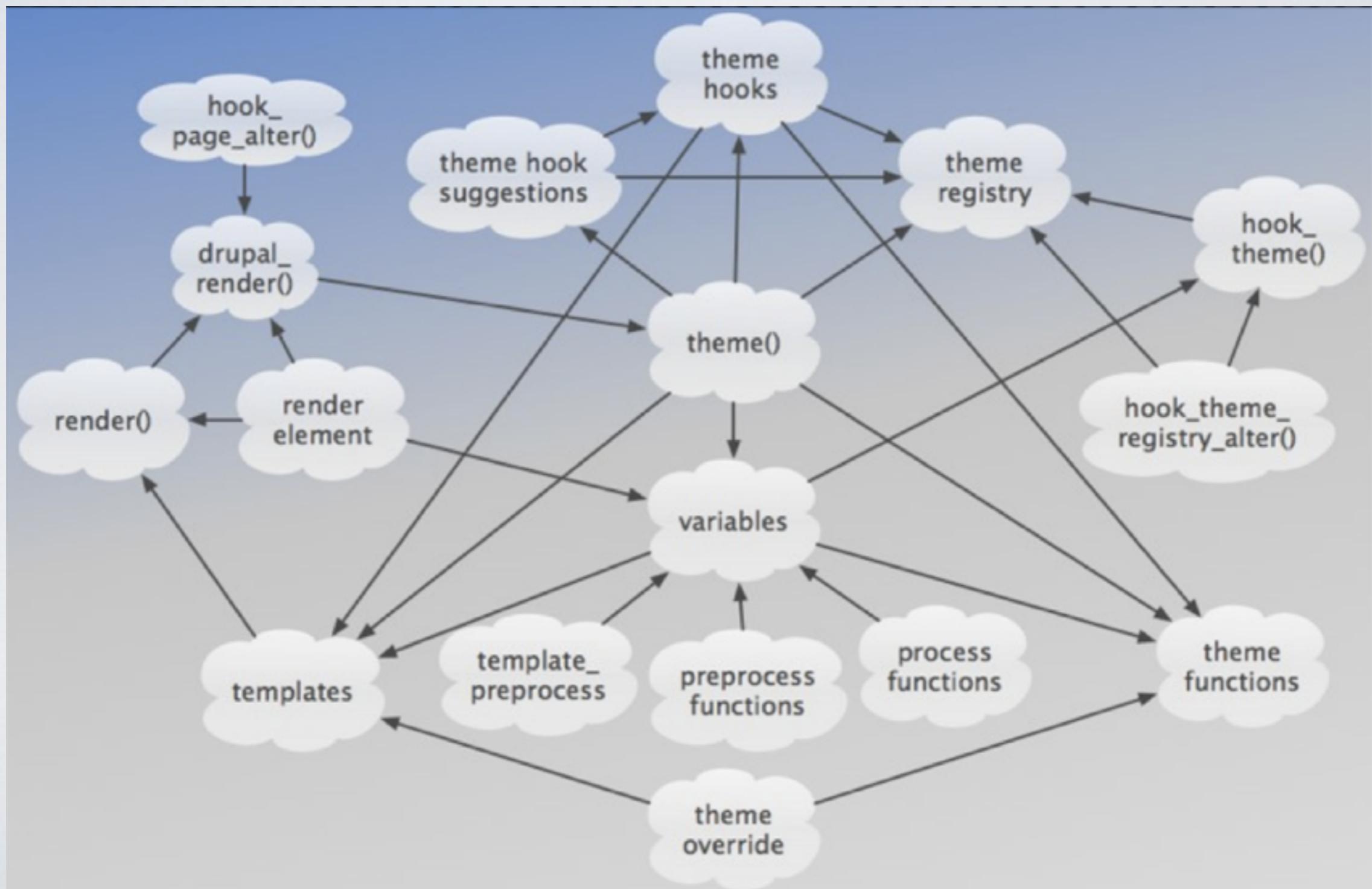
\* we still need help

# COMPLEXITY

## A DRUPAL 7 PAIN POINT

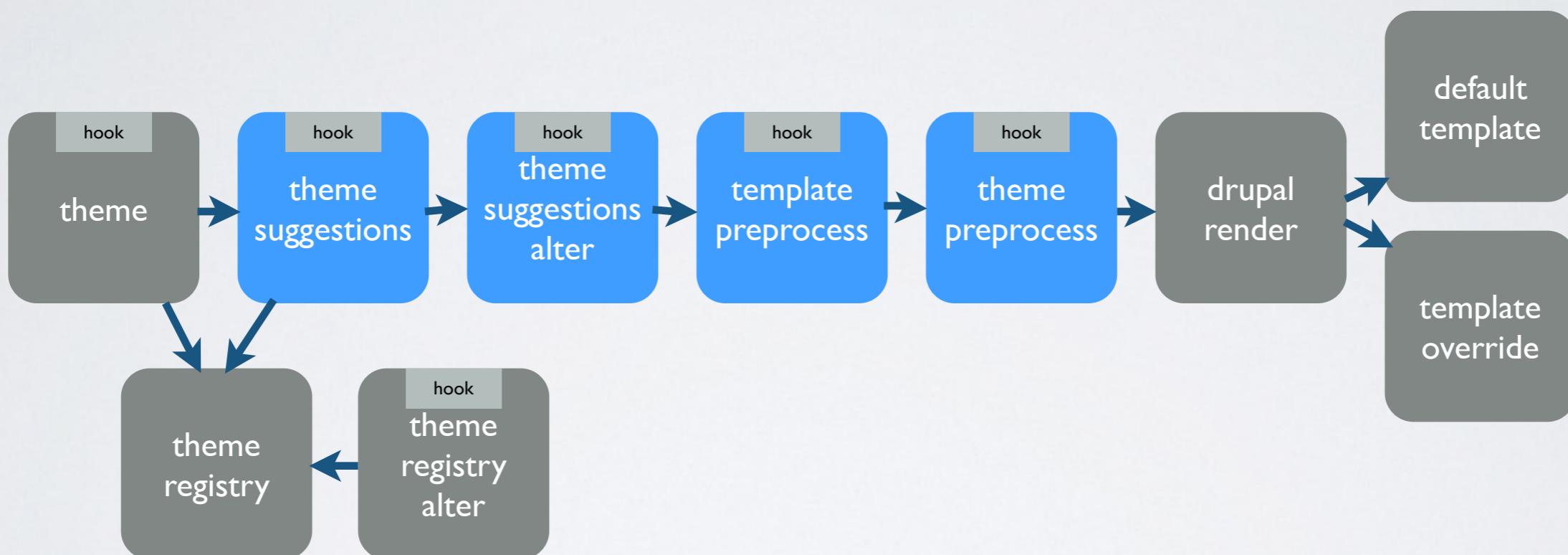
# COMPLEXITY

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 |  
84 | 83 |<div id="node-<?php print $node->nid; ?>" class="<?php print $classes; ?> clearfix"<?php  
85 | 84 |  
85 | 83 |<div id="node-<?php print $node->nid; ?>" class="<?php print $classes; ?> clearfix"<?php  
86 | 84 |  
85 | 83 |<div id="node-<?php print $node->nid; ?>" class="<?php print $classes; ?> clearfix"<?php  
87 | 84 |  
86 | 83 |<div id="node-<?php print $node->nid; ?>" class="<?php print $classes; ?> clearfix"<?php  
88 | 87 | 83 |<div id="node-<?php print $node->nid; ?>" class="<?php print $classes; ?> clearfix"  
89 | 88 | 84 |  
90 | 87 | 85 |<?php print $user_picture; ?>  
91 | 88 | 86 |  
92 | 89 | 87 |<?php print render($title_prefix); ?>  
93 | 90 | 88 |<?php if (!$page): ?>  
94 | 91 | 89 |<h2<?php print $title_attributes; ?>><a href="<?php print $node_url; ?>"><?p  
95 | 92 | 90 |<?php endif; ?>  
96 | 93 | 91 |<?php print render($title_suffix); ?>  
97 | 94 | 92 |  
98 | 95 | 93 |<?php if ($display_submitted): ?>  
99 | 96 | 94 |<div class="submitted">  
100 | 97 | 95 |<?php print $submitted; ?>  
101 | 98 | 96 |</div>  
102 | 99 | 97 |<?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     $items = $variables['items'];
2280     $active = $variables['active'];
2281     if (isset($variables['variant'])) {
2282       $class = $variables['variant'] . '-task-list';
2283     }
2284 
2285     130 1507 function theme_user_list($variables) {
2286       $users = $variables['users'];
2287       $title = $variables['title'];
2288       $items = array();
2289 
2290       134 1511 if (!empty($users)) {
2291         135 1512 foreach ($users as $user) {
2292           136 1513 $items[] = theme('username', array('account' => $user));
2293           137 1514 }
2294           138 1515 }
2295           139 1516 }
```

# 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**

```
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
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 $node_url; ?>"><?ph
 90 <?php endif; ?>
 91 <?php print render($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
- Now Everything renderable
- Markup Utility Functions
- Theme component library (maybe?)

# NEW TEMPLATE ENGINE

## MAJOR API CHANGES IN DRUPAL 8

# A NEW TEMPLATE ENGINE

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

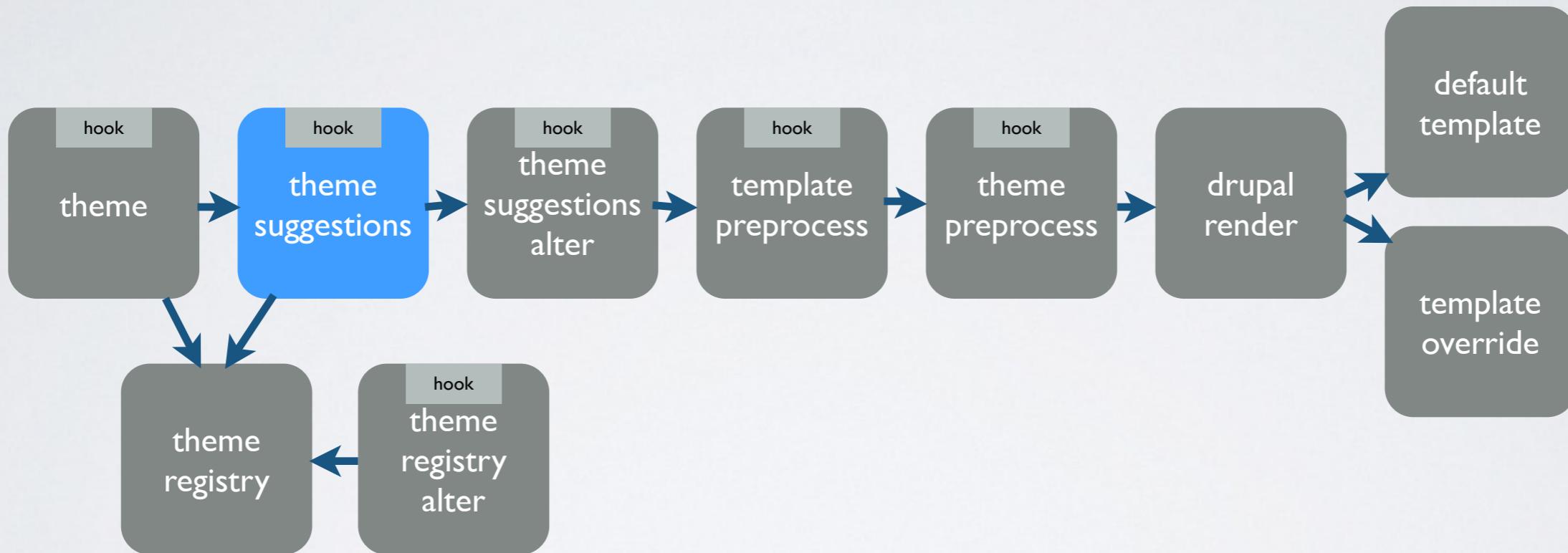
**Twig** is our new template engine in **Drupal 8**

# NEW THEME HOOKS

MAJOR API CHANGES IN DRUPAL 8

# NEW THEME HOOKS

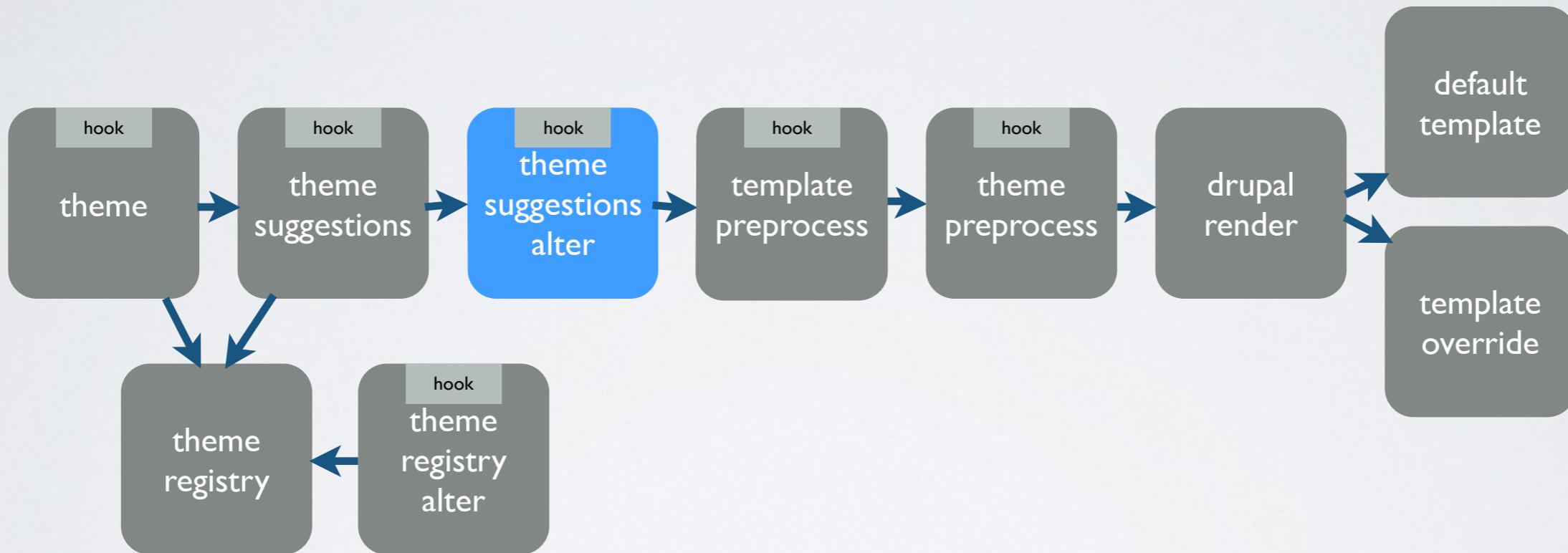
NEW: `hook_theme_suggestions()` in **Drupal 8**



`$variables['theme_hook_suggestions']` and `$variables['theme_hook_suggestion']`

# NEW THEME HOOKS

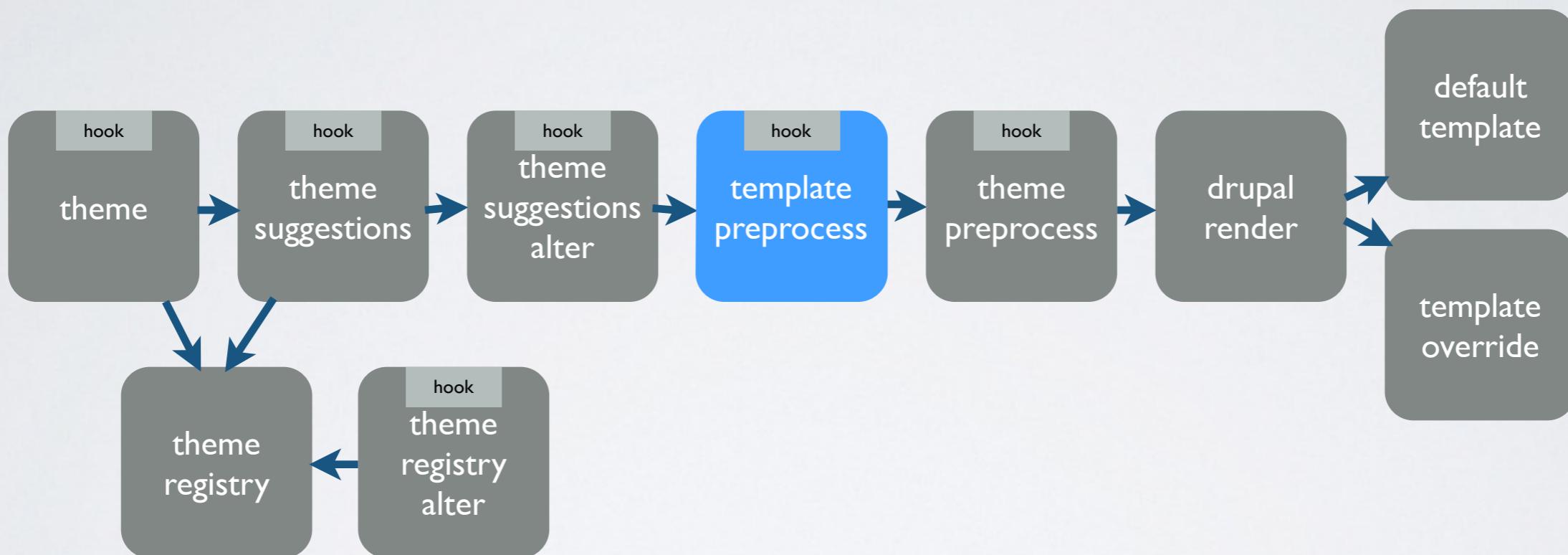
NEW: `hook_theme_suggestions_alter()` in **Drupal 8**



`$variables['theme_hook_suggestions']` and `$variables['theme_hook_suggestion']`

# NEW THEME HOOKS

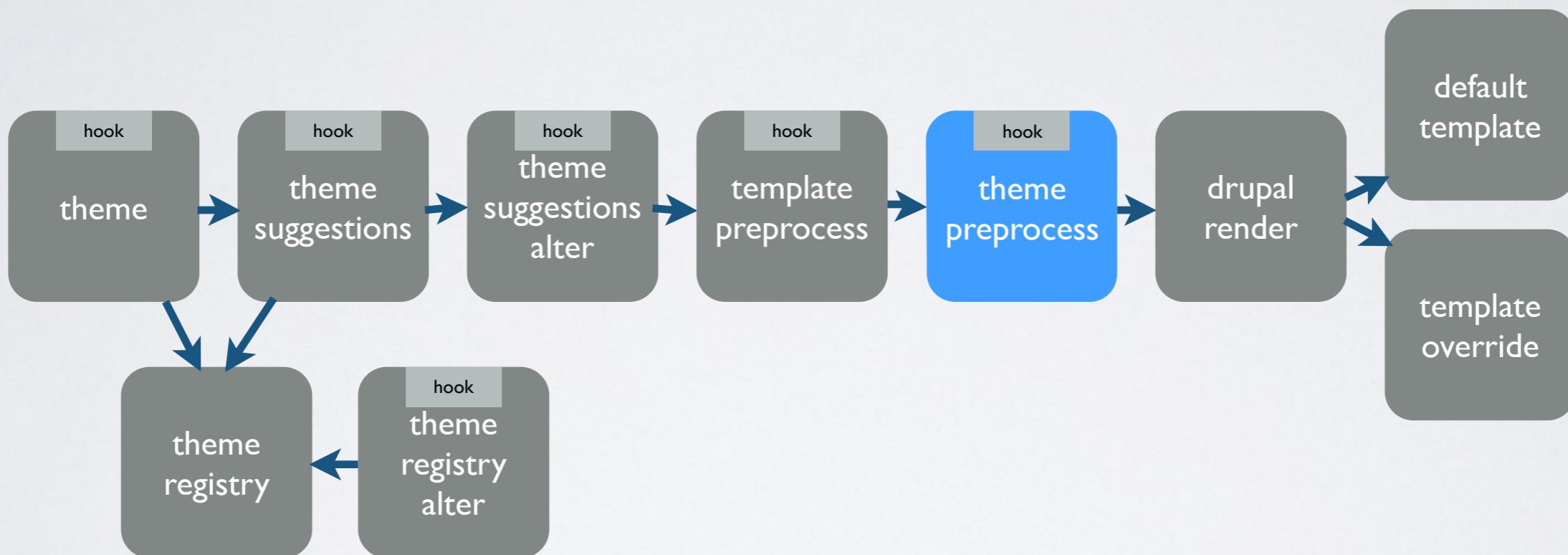
NEW: hook\_prepare() in **Drupal 8\***



\* 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** & **SECURE** 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 }} />
```

When the HTML will not change, **values** can still be altered.

\* 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 between 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\*

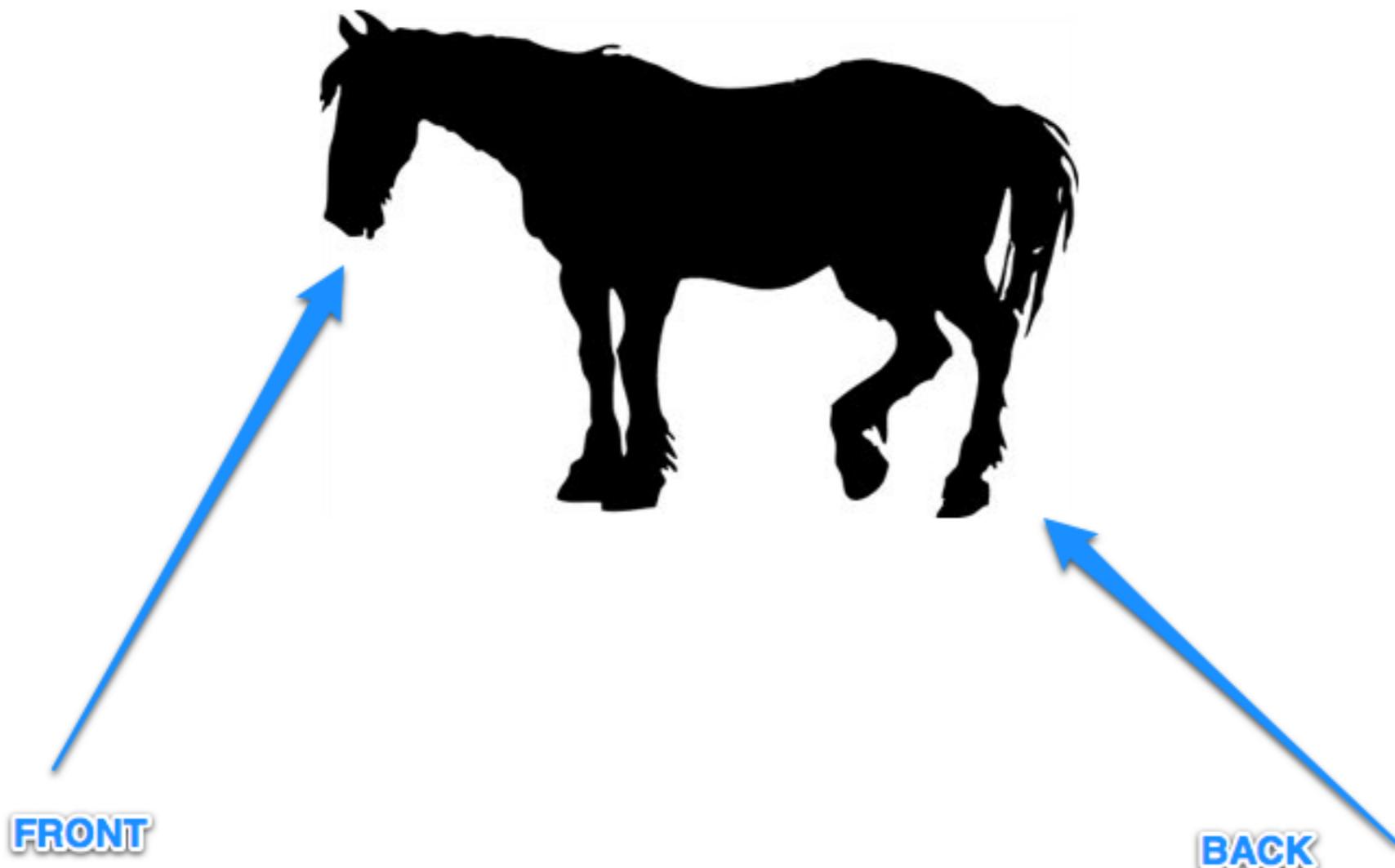
```
[{{ dump(_context) }}  
 {{ dump(variables) }}]
```



\* 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:

- Consolidate and remove templates
- Markup & variable clean-up in templates
- Variable clean-up in preprocess
- Auto-escape

# CONTRIBUTORS

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

and, as it turns out...

# CONTRIBUTORS

## Many new contributors have brought us Twig!

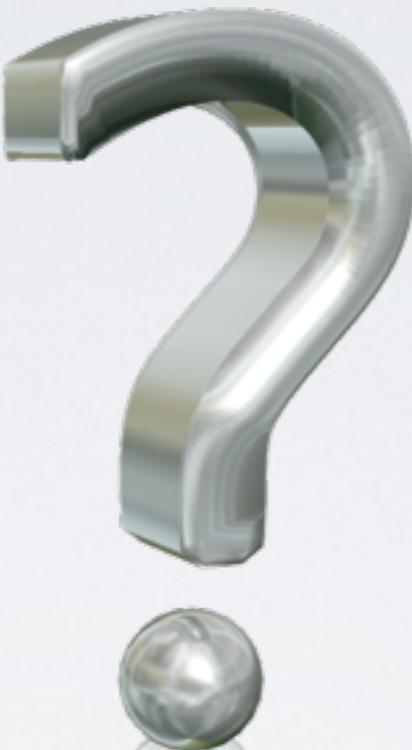
Issue #1896060 by shanethehat, Cottser, joelpittet, disasm, Floydm, stevector, jenlampton, c4rl, mr:baileys: [READY] aggregator.module - Convert PHPTemplate templates to Twig.  
Issue #1898034 by Cottser, jenlampton, joelpittet, Shawn DeArmond, idflood, Hydra, chrisjlee, gnuget, c4rl, thund3rbox, steinmb, 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, chrisjlee, 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, jastaat, 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 chrisjlee, joelpittet, gnuget, Cottser | c4rl: [READY] overlay.module - Convert PHPTemplate templates to Twig.  
Issue #1938840 by chrisjlee, 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, nikkuhai, 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 chrisjlee, mr:baileys, joelpittet, 2ndmile | tostinni: [READY] Convert views/templates/views-more.tpl.php to twig.  
Issue #1843744 by joelpittet, Sean Charles, kgoel, Hydra, tsi, chrisjlee, shanethehat, jenlampton, mr:baileys | tostinni: Convert views/templates/views-view.tpl.php to twig.  
Issue #1843746 by joelpittet, trrroy, shanethehat, tlattimore, damiankloip, jastaat, dawehner, thedavidmeister, Cottser, Kevin Morse | tostinni: Convert views/templates/views-view-field.tpl.php to Twig.  
Issue #1843750 by jastaat, 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-summarytpl.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, chrisjlee, 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?

- Meetings Thursdays 7p ET (4p PT)
- Join us online in #drupal-twig on IRC
- Start on a theme for Drupal 8

# QUESTIONS?



## TWIG & THE NEWTHEME LAYER IN DRUPAL 8

<http://jenlampton.com/presentations/rethinking-theme-layer-drupal-8>

## 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.theproducerperspective.com/my\\_weblog/2012/06/who-won-my-tony-pool-and-is-taking-home-an-ipad.html/youwin-3](http://www.theproducerperspective.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/2WayCommunicationUseltOrLoselt.aspx>

finish line

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