

Display Suite

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Content display and theming in the old and present days in Drupal

CCK Fields overview form

- ordering affects node form and node output
- extra fields available, but no formatting

Label	Name	Type	Operations
+ Menu settings	Menu module form.		
+ Taxonomy	Taxonomy module form.		
+ Image	field_page_image	Image	Configure Remove
+ Short *	field_page_short	Text	Configure Remove
+ Source *	field_page_source	Text	Configure Remove
+ Body	Node module form.		
+ Title	Node module form.		
+ File attachments	Upload module form.		
+ File attachments	Upload module form.		
+ Title	Node module form.		
+ Body	Node module form.		

CCK display fields overview form

- no control over label per build mode
- no extra fields available

Field	Label	Teaser	Exclude	Full node	Exclude
Source	<Hidden>	Default	<input type="checkbox"/>	Default	<input checked="" type="checkbox"/>
Short	<Hidden>	Default	<input type="checkbox"/>	Default	<input type="checkbox"/>
Image	<Hidden>	NewsList image linked to node	<input type="checkbox"/>	NewsFull image	<input type="checkbox"/>

Save

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Views lists with their formatters

Use AJAX: No

Use pager: Yes

Items per page: 10

Distinct: No

Access: Unrestricted

Caching: None

Generic files *In block: No*

NewsFull image

NewsFull image linked to node

NewsFull image linked to image

NewsFull file path

NewsFull URL

NewsList image

NewsList image linked to node

NewsList image linked to image

NewsList file path

NewsList URL

Image

Image linked to node

Image linked to file

Image linked to node

Image linked to image

Image

Image

Image

Fields

Node: Title Title

Node: Body Body

Content: Image Generic files

Content: Short Default

Content: Source Default

Content: Image (field_page_image)

Content: Image (field_page_image)

What about

- Custom theming functions and overrides
- Search results: search-result.tpl.php
- User profile page
- User listings
- Comments (ok, not **that** horrible but still)

This means: a lot of different HTML output, classes, css

Now imagine: your client wants another order for some fields or even another field ...

- Is it a view
- Maybe even n^* view lists
- Certainly a node template
- In a block maybe
- And what about RSS

Enter Display Suite

The Display suite module is an API which other modules can use to store and manipulate display data for objects (nodes, users, comments, etc). Modules implementing this API automatically get an interface for adding build modes, fields, fieldgroups and plugins either through code or via the UI.

Say what ... ?!

Basically, we take an object, say a node,
and we render properties (fields) of that object into
regions, alter the label and alter the weight.

Drag and drop fields into regions

Field	Label	Format	Region
Header			
<i>No fields in this region</i>			
Left			
✚ Image	Hidden ▾	NewsFull image ▾	Left ▾
Middle			
✚ Short	Hidden ▾	Default ▾	Middle ▾
Right			
✚ Taxonomy	Hidden ▾		Right ▾
Footer			
✚ Core upload	Hidden ▾		Footer ▾
Disabled			
✚ Links	Hidden ▾		Disabled ▾
✚ Core body	Hidden ▾	Full ▾	Disabled ▾
✚ Title	Hidden ▾	H2 title, linked to node ▾	Disabled ▾

Create custom build modes.

You have not defined any custom build modes.

▽ Add new build mode

Key name: *

The machine-readable name of this build mode.

Display name: *

The name of this build mode which will be used for every type on the display fields page.

Save display

Create custom (block) fields - with token support.

Create custom fieldgroups!

Read more	read_more	Default	Edit
Post date	post_date	Default	Edit

▽ Add new code field

Field key: *

The machine-readable name of this field.

Field title: *

The title to use when rendering the output and on the display administration screen.

Field exclude:

Page

Toggle content types which you don't want the field to appear in.

Field code: *

Every field will be wrapped in `<div class="field field-key">VALUE</div>`. Enter PHP code between `<?php ?>`. Note that executing incorrect PHP-code can break your Drupal site.

Plugins

Status	Info
<input checked="" type="checkbox"/>	Empty region: Renders a region when
<input type="checkbox"/>	Simple CSS overrider: Override region

Implementations

Node displays

User displays

Comment displays

Views displays

Support for views, panels, gmap, search,
apachesolr, location ..

Consistent output

```
▼ <div class="nd-region-left">
  ▼ <div class="nd-region-inner">
    ▼ <div class="field field-boek-image">
      
    </div>
    ▶ <div class="field field-fivestar-widget">
    ▶ <div class="field field-boek-status-form-button">
  </div>
</div>
▼ <div class="nd-region-middle one-sidebar sidebar-left">
  ▼ <div class="nd-region-inner">
    ▶ <div class="field field-title">
    ▼ <div class="field field-auteur">
      <a href="/auteur/piet-huysentruyt">Piet Huysentruyt </a>
    </div>
    ▶ <div class="field field-body">
    ▶ <div class="field field-uitgevernummer">
    ▶ <div class="field field-verkoopprijs">
    ▶ <div class="field field-aantal-paginas">
    ▶ <div class="field field-uitvoering">
    ▶ <div class="field field-artikel-status">
    ▶ <div class="field field-isbn-nummer">
    ▶ <div class="field field-boek-comment">
  </div>
</div>
```

node.tpl.php only needs \$content variable

```
<div class="buildmode-<?php print
  <div class="node node-type-<?php
node->build_mode == 'sticky'): pri
  <?php print $content; ?>
  </div> <!-- /node -->
</div> <!-- /buildmode -->
```

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Developers heaven

- `hook_ds_api()`
- `hook_ds_fields()`
- `hook_content_build_modes` (from cck)
- `hook_ds_fields_alter()`
- `hook_ds_buildmodes_alter()`
- `hook_ds_default_settings()`
- `ds_build_fields_and_regions()`
- `ds_render_content()`

Demonstration site

- Available on <http://demo.customsource.be>
- Login with demo/demo and play around
Fields are disabled for this user because of
PHP - duh (hooray for permissions)

Next steps

- Views fields style plugin
- Override per object - dashboard style
- your ideas ?

Resources

- <http://drupal.org/project/ds>
- <http://drupal.org/project/displaysuite>
- <http://drupal.org/project/nd>
- http://drupal.org/project/nd_contrib
- <http://drupal.org/project/ud>
- <http://drupal.org/project/cd>
- <http://drupal.org/project/vd>

Questions ?

**And please, not about
panels :)**