

2011-06-15
Web Treff / DUG KölnBonn
„Webseiten und Web-Applikationen mit
Drupal 7“

drupal-6.x--drupal-7.x -
„Scratching the surface“

whoami

Florian Latzel

- @fl3a

whoami

Florian Latzel

- @fl3a → flEa

whoami

Florian Latzel

- @fl3a → flea

whoami

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- @fl3a → floh

drupal-7.x

?

cat drupal-6.x--drupal-7.x

- Birdseye
- Navigation / Menus
- Modules
- Simpletest
- Fields
- API
- DBTNG
- Theming

Birdseye

Size drupal-6.x (decompressed)

- 8.5M

Birdseye

Size drupal-7.x (decompressed)

- 22M

Birdseye

diff [1]

```
4d3
< blogapi
8a8,9
> contextual
> dashboard
9a11,13
> field
> field_ui
> file
12a17
> image
16a22
> overlay
19d24
< ping
21a27
> rdf
23a30,31
> shortcut
> simpletest
28c36
< throttle
---
> toolbar
33d40
< upload
```

Navigation / Menus

Where the f*ck is ... ?

modules

Some modules (and functionality) moved into core [2]

- node/8
- Adminrole
- Poormanscron
- Token
- Vertical Tabs
- ImageAPI, ImageCache,
- RDF
- ...

modules

JavaScript should be compatible with other libraries than jQuery [3] [4]

```
((function ($) {  
  
  Drupal.behaviors.exampleModule = {  
    attach: function (context, settings) {  
      $('example', context).click(function () {  
        $(this).next('ul').toggle('show');  
      });  
    }  
  };  
  
})(jQuery));
```

simpletest

```
find drupal-7.x -type d -name tests
```

```
./themes/tests  
./modules/update/tests  
./modules/node/tests  
./modules/filter/tests  
./modules/openid/tests  
./modules/locale/tests  
./modules/simpletest/tests  
./modules/file/tests  
./modules/user/tests  
./modules/field/modules/list/tests  
./modules/field/tests  
./modules/rdf/tests  
./modules/block/tests  
./modules/search/tests  
./modules/image/tests  
./modules/trigger/tests  
./modules/aggregator/tests  
./modules/translation/tests
```

simpletest

Unit tests – Best tested drupal [5]:

- Module [6]
- Library [7]

Fields

Goodbye CCK - hello fields!

Fields

```
tree -d drupal-7.x/modules/field
```

```
drupal-7.x/modules/field
|-- modules
|   |-- field_sql_storage
|   |-- list
|   |   `-- tests
|   |-- number
|   |-- options
|   `-- text
|-- tests
`-- theme
```

- + drupal-7.x/modules/image/image.field.inc
- + drupal-7.x/modules/file/file.field.inc
- - userreference, - nodereference [8]

API Changes (some of them) [9]

- Block module now optional
- `db_rewrite_sql()` replaced with `hook_query_alter()`
- New `user_cancel` API
- jQuery UI (1.7) was added into core
- `hook_perm()` renamed to `hook_permission()`
- Module `.info` files can have `configure` line
- ...

Database Layer: The Next Generation

drupal-6.x:

```
$query = "SELECT linkpath, weight  
FROM {menu_links} l  
WHERE l.'menu_name = 'menu-clone-main-menu'  
ORDER BY weight ASC";
```

```
$result = db_query(query);
```

...

drupal-7.x

```
$query = db_select('menu_links', 'l')
    ->fields('l', array('link_path', 'weight'))
    ->condition('l.menu_name', 'menu-clone-main-menu')
    ->orderBy('l.weight', 'ASC');

$result = $query->execute();

...
```

Theming

- API Changes
- Anatomy of theme
- Naming of template files
- Template variables
- ...

Theming

API Changes, Theming (some of them) [10]

- Primary and secondary links are now Main and Secondary menu
- New html.tpl.php files
→ drupal-7.x/modules/system/html.tpl.php
- Content region is now mandatory, main page content became a block
- \$closure becomes \$page_bottom, new \$page_top and hidden regions
- ...

Theming

Anatomy of a theme

```
themes/  
`-- mytheme  
  |-- css  
  |   `-- style.css  
  |-- img  
  |   |-- slider_links.png  
  |   `-- slider_rechts.png  
  |-- screenshot.png  
  |-- scripts  
  |   `-- core.js  
  |-- template.php  
  |-- templates  
  |   |-- html.tpl.php  
  |   |-- node--wassergebiet.tpl.php  
  |   |-- page.tpl.php  
  |   |-- views-slideshow-controls-text-next.tpl.php  
  |   |-- views-slideshow-controls-text-pause.tpl.php  
  |   |-- views-slideshow-controls-text-previous.tpl.php  
  |   `-- views-slideshow.tpl.php  
  `-- mytheme.info
```

Theming

drupal-6.x template variables

- `print $header`
- `print $content;`
- `print $footer;`
- ...

Theming

drupal-7.x template variables

- `render($page['header']);`
- `render($page['content']);`
- `render($page['footer']);`
- ...

```
cat /usr/src
```

Appendix

[1] diff on ls -A1 drupal-6.x/modules and drupal-7.x/modules

[2] <http://www.unleashedmind.com/node/52>

[3] http://drupal.org/update/modules/6/7#javascript_compatibility

[4] <http://drupal.org/node/756722>

[5] <http://qa.drupal.org/>

[6] <http://drupal.org/project/simpletest>

[7] <http://simpletest.sourceforge.net/>

[8] <http://drupal.org/project/references>

[9] <http://drupal.org/update/modules/6/7>

[10] <http://drupal.org/update/themes/6/7>