

Drupal ingredients and recepies

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video break

(<http://bad-ass.org.uk/what-is-drupal>)

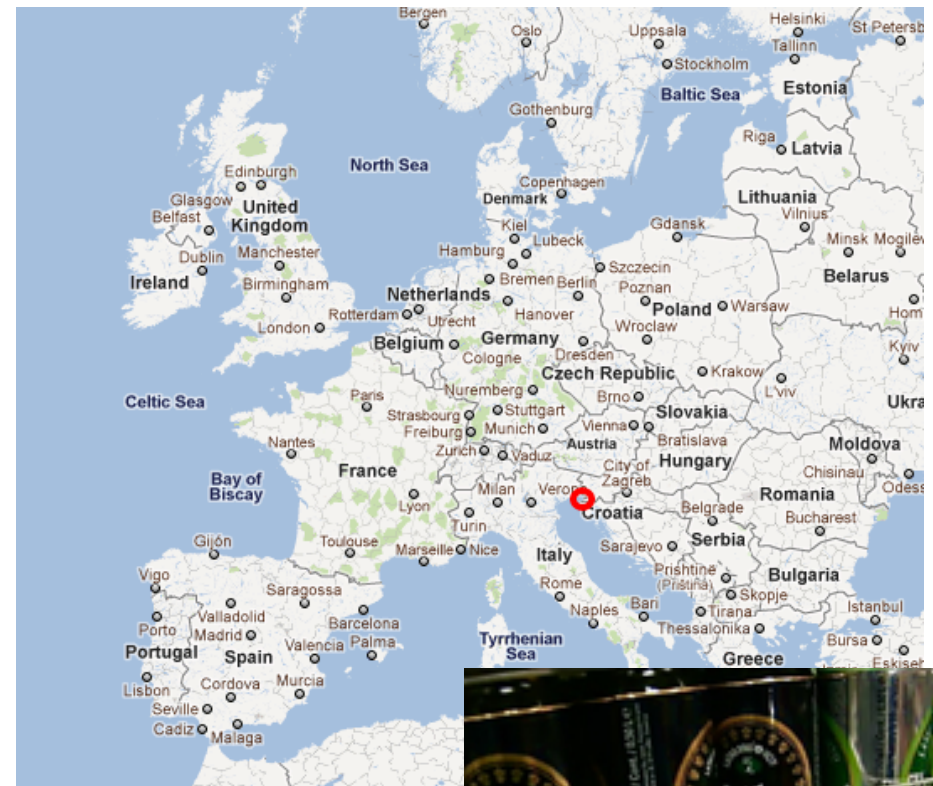
slides & example code:

janezurevc.name/drupal-recepies

bit.ly/drupal-recepies (slides direct link)

About me

- developer, freelancer
- currently working for biggest Slovenian daily newspaper
- high traffic media websites (for our standards :))
- from Portorož, Slovenia
- 2011 Google Summer of code student



Drupal core

- basic code no one can live without it
- is exactly what you get when you download and install Drupal
- set of basic features, modules and APIs
- Highly **pluggable** and **modular!**
- Latest version is Drupal 7 (released in January 2011)
- drupal.org - home of core and lots of contrib modules
- Drupal gardens (drupalgardens.com) - not just core, but great to test without pain

Drupal core - content

- **Node** - single piece of content
- It can be static page, blog post, forum post or even weather information for a given day - **Content type**.
- If I want to add another piece of information to my content I create new **Field**.
- I can use **Display modes** to configure how I want to display my content.

Drupal core - taxonomy

- **Categorization** in every possible way.
- Tags, main site categorization, movie genere, real estate type, education level, ...
- Taxonomy **terms** can be attached to content.
- **Fields** can be added to terms.
- **Term** can even categorize another term... :)

Drupal core - Image styles

- Each **Image style** defines one way of displaying any image in system.
- 100x100 cropped, 800x600 resized - keep aspect ratio, B&W version of image, ...
- Each style consists of one or more **actions**. Core ships with few basic actions, others can be implemented in modules.

Other core features

- **Users:** permissions API, users are fieldable, user roles, ...
- **Theme:** defines how our site looks like
- **Input formats:** takes care about user input filtering (security, display consistency, ...)
- **Clean URLs & URL aliases:** SEO & user friendly urls
example.com/first-blog-post *instead of* example.com/index.php?p=1021
- Testing framework, Form API, and many, many more, ...

Most popular contrib modules

- **Views** - query builder (drupal.org/project/views)
- **Panels** - layout manager (drupal.org/project/panels)
- **Features** - configuration exporter (drupal.org/project/features)
- **Feeds** - feed importer framework (drupal.org/project/feeds)
- **Media** - asset management (drupal.org/project/media)
another session: Media derivatives: take control over your files (11:40)
- ...

What makes development
easier?

Drush (DRUPal SHell)

drush en views

drush updb

drush dl captcha

drush fr my_feature

drush coder-review

...

Modules for developers

- Devel (<http://drupal.org/project/devel>)
- Coder (<http://drupal.org/project/coder>)
 - code review
 - "automated" upgrades between major versions (D6 -> D7)
- Themer (http://drupal.org/project/devel_themer)
- Testing
 - Unit tests
 - Functionals tests
 - Drupal 7 shipped with 300.000 tests
- Devel generate
- Migrate module
- ...

3rd party systems integration

- Varnish (reverse proxy cache)
- xhprof (web based profiler)
- Mahout (machine learning library)
- Solr/Lucene
- Web services (youtube, flickr, blip.tv, vimeo, ...)
- Remote storage (Amazon S3)
- ...

SEO

- XML sitemap (<http://drupal.org/project/xmlsitemap>)
- Pathauto (<http://drupal.org/project/pathauto>)
- Redirects
- Global redirect (<http://drupal.org/project/globalredirect>)
- Page titles (http://drupal.org/project/page_title)
- Metatags
- Clean URLs
- Scheduler
- Search 404
- Content optimizer
- social networks integrations
- ...

Modularity

- "Kitten dies every time when you hack core!"
- Drupal hooks - allow modules to customize core behaviour
- api.drupal.org
- demo... (bit.ly/form-alter-example)



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High demand for Drupal talent

