

What's brewing/cooking/burning in the eZ Publish extensions kitchen

Paul Borgermans

About me

- Paul Borgermans
- About 10 years part of the eZ ecosystem
- Since 2.5 years working with eZ,
now as “Extensions Domain Manager”
- Currently fancying
 - eZ Find & other cool extensions
 - Apache Lucene family of projects (mainly Solr)
 - NoSQL (Not only SQL) and scalable architectures

What I will talk about today ...



... solutions for some of your needs, including the ones of tomorrow

Image: El Bulli, kitchen

Outline

- Recent dishes (NY releases)
- On the menu for our spring release
- Outlook for the autumn creations
(nouvelle cuisine & some experimental cooking)
- What we are doing and will do for your own home cooking

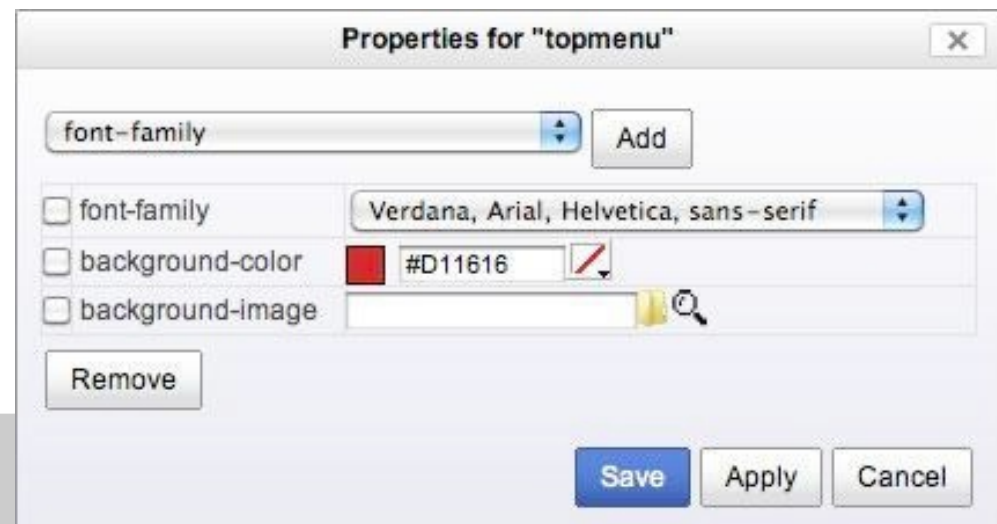


The recent dishes

Image: Suat Eman / FreeDigitalPhotos.net

Style Editor

- What: visual style editing for eZ Publish
- As an implementor: you are in control of what can be styled
- As a user/developer: easy to use
- Based on
 - EZ JS Core
 - YUI



Style Editor: How

- JSON based configuration

```
{
  selector: "",
  group: "",
  groupname: "",
  alias: "",
  element: {
    name: "body",
    id: "",
    classname: ""
  },
  overlay: true
}
```

Style Editor: How

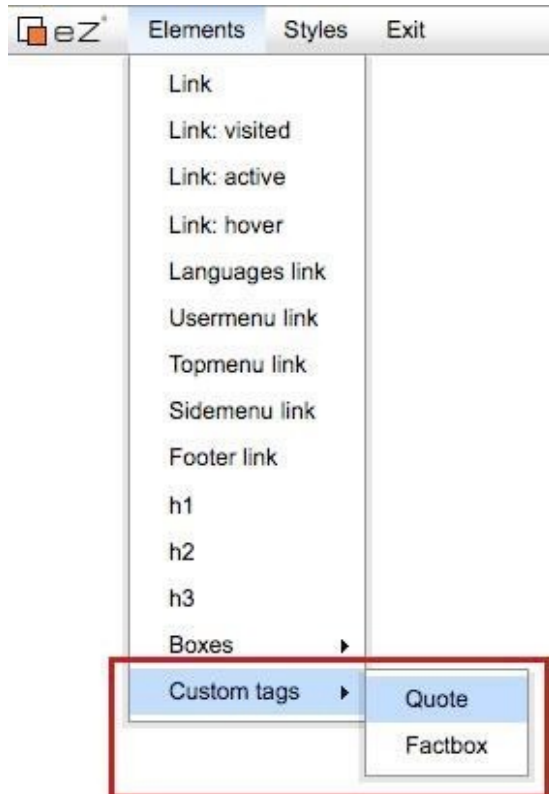
- Create a new site style (aka “skin”)



The screenshot shows a dialog box titled "Site Styles" with a close button (X) in the top right corner. Inside the dialog, there are four radio button options: "New style" (which is selected), "Custom design style", "Other design", and "Custom design test". Below these options is a text input field and a "Create" button, both of which are enclosed in a red rectangular box. At the bottom right of the dialog, there are two buttons: "Choose" and "Cancel".

Style Editor: How

- Possibly group elements together



eZ XML Export

- What for: export your content to 3rd-party content platforms
- Your content ends up in an XML file
- Use XSLT transforms for further conversion
- You decide:
 - Which classes
 - Which attributes





On the menu for our spring release

eZ Teamroom 1.0



Abmelden

Mein Profil

Meine Teamrooms

Übersicht



Version: 1.3.0

Suche

Los

Willkommen. Erfolg durch eZ Teamrooms.

Lorem ipsum dolor sit amet, consectetur adipiscing elit. In tempor. Aenean molestie, mauris ultrices vestibulum luctus, augue risus mattis est, viverra vestibulum diam quam vitae lorem. Nunc lacus tellus, molestie eleifend, dictum quis, fermentum eu, diam. Class aptent taciti sociosqu ad litora torquent per conubia nostra, per inceptos hymenaeos. Curabitur hendrerit lectus non nunc. In vulputate, est sed pellentesque congue, est diam ullamcorper enim, a laoreet magna lorem vitae eros. Cras dignissim dictum risus. Sed lectus. Nullam sem. Mauris ac mauris.



Widget anzeigen

Seitenkopf verstecken



Teamroom anlegen

Erstellen Sie hier Ihren Teamroom und erhalten alle Möglichkeiten um mit Ihrem Team Erfolge zu realisieren.

[Einen neuen Teamroom anlegen](#)



Alle Teamrooms

► **Alex Privat**
25.11.2009 | **Eigentümer** Alexander Block



Meine Teamrooms

Sie sind Mitglied keines Teamroom.



Letzte Nachrichten

Es gibt keine neuen Nachrichten.



Lightboxauswahl

Sie haben noch keine Lightbox.

[Lightbox anlegen](#)



THE CONTENT MANAGEMENT ECOSYSTEM

eZ Teamroom

- Facilitates online collaboration, possibly geographically dispersed
 - Allows to create virtual spaces for “teams”
 - Easy to use GUI (spiced with Ajax)
 - Dashboard
-
- In production and development since 3 years

eZ Teamroom: features

- Project management (tasks / milestones)
- Wiki
- Calendars (including recurrent events)
- File sharing
- Forums
- ...

eZ Teamroom: current work

- Compatibility with eZ JS Core (done)
- Standalone or for existing sites (done)
- Making it easier to install
 - Bundling dependent extensions
- Optimize for eZ Find
- Bug fixes
- Some minor GUI elements

eZ Find 2.2

- Many bug fixes and smaller features
- Solr 1.5-dev (“function queries, geo-search”)
- Better language support
- Enhancements for very high traffic sites
- Improved 1-N schema mappings
- `$asObjects = false`
- Search “foreign” indexes simultaneously
- eZ Tika bundling (option)

eZ Find 2.2: language support

- Every language has its own ...
 - Index
 - Tuned analyzer options
 - Spell checker dictionary
 - Synonyms
 - Stop word list
 - Elevate configuration
- ... if you want to, setup of back-end slightly more complicated

eZ Find 2.2: high traffic options

- “Commit within” (for high write traffic)
 - NRT* if it gets into Solr 1.5-dev soon enough
- Sharding and slave servers

*Near Realtime Search

Dedicated fields for facets, sorting, ..

- Problem

Given a string 'eZ Publish' it is split up for searching into ('ez', 'publish')

But you want facets on 'eZ Publish'(x) and not 'ez'(y) and systems(z)


- Solution

- Dedicated mappings for facets, sorting, searching
- Configurable per data-type (later on per class/attribute)

eZ Find 2.2: `$asObjects = false`

- No more DB hits to assemble result objects
- Generic for native and foreign index search
 - You can combine them!
 - (use the generic fields mappings)
- Faster!
- Use it to replace your regular content fetches
 - Much more filtering power
 - Vast array of query functions to use as well

eZ Tika

- <http://projects.ez.no/eztika>
- Converts about any binary file to text for indexing
 - Included: MS XML, OOo, pdf *, ...
 - * Excluded (bug): pdf with asian character sets 
- May be used for meta-data extraction too
 - Images
 - Documents



Future outlook (Autumn or so)

Image: Graeme Weatherston / FreeDigitalPhotos.net

You want a newsletter system?

- eZ Newsletter to be phased out
- New (tall) kid on the block: CJW Newsletter
- Contributed by a network of partners
 - Coolscreen
 - Jac Systeme
 - Webmanufaktur
- Will be fully supported by eZ Systems
- Business part as contributor: ask Roland please

CJW Newsletter

- Built from the ground up
- Uses eZ Components
- Easy to use, integrated solution
- Advanced features

See also barcamp session for details!

CJW Newsletter: admin panel

The screenshot shows the eZ Publish admin interface for the newsletter module. The browser address bar indicates the URL: `http://admin.ez4you.de.jac401.in-mv.private:81/en/newsletter/index`. The page title is "index / newsletter - ez4you".

The interface features a navigation menu with the following items: Content structure, User accounts, Setup, My account, **Newsletter**, Analytics, and Developer. The "Newsletter" tab is currently selected.

The main content area is titled "newsletter / index" and contains several sections:

- Other**: A list of links including Newsletter overview, Newsletter registration form, Users search, Statistics, and Settings.
- Newsletter Systeme**: A tree view showing the hierarchy: NL System 1 > NL List 1 > User (0), Draft (1), Send (0), Archive (0), and Abort (0). Below the tree are size selection buttons for Small, Medium, and Large.
- Newsletter overview**: A section for "NL System 1" containing a list of "NL List 1 / Newsletter Testliste 1" with "Newsletter Drafts". One draft is listed: "1. NL Edition 2009/01".
- Last ten actions**: A table showing recent actions:

Name	Status	Mails	Modified
NL Edition 2009/01			21/07/2009 9:43 am

- Current user**: Shows the user "Newsletter Administrator" with links for Change information, Change password, and Logout.
- Bookmarks**: A section with a plus sign for adding new bookmarks.

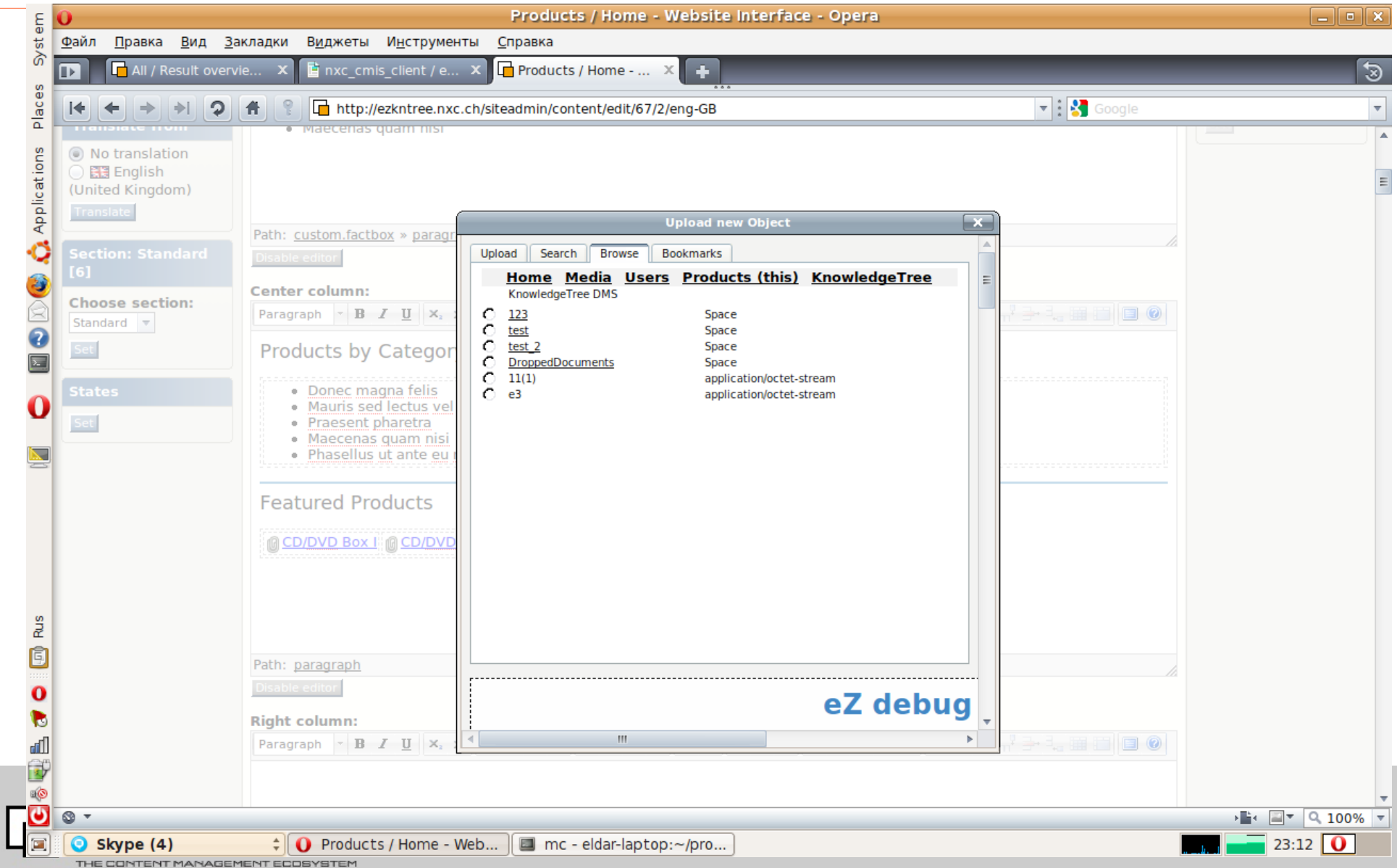
At the bottom of the page, the copyright notice reads: "eZ Publish Copyright © 1999-2008 eZ Systems AS and others. For more information see [ezinfo/about](#)."

You need to exchange content with other CMS's?

- Enter NXC CMIS client
- Provided by NXC, Switzerland
- CMIS = standard for “Content Management Interoperability Services”
- Current client supports
 - Alfresco
 - Knowledgetree
 - Nuxeo



NXC CMIS client for eZ Publish



For more:
http://projects.ez.no/nxc_cmis_client

eZ “Archive” system

- Use cases
 - Offloading yet still serving massive amounts of seldom used objects for performance
 - Large DMS systems
 - Record management
- Need to find a better name to cover the use-cases above
 - Suggestions?

eZ “Archive” system: technology

- eZ Find/Solr as IR engine
 - With clustering/sharding supports billions of objects
 - Can be used as a document oriented store
- Persistent store options (“third line”)
 - (Solr)
 - Document oriented stores: MongoDB/CouchDB
 - Key-value/bigtable stores: Cassandra, ...

eZ “Archive” system: challenges



- Large file archiving
 - ✓ GridFS (MongoDB)
 - ✓ Dedicated / home solution (NFS could be fine)
- eZ Publish object relations
 - From highly normalized to “documents”
=> need to think differently on how to model/structure your eZ Publish sites
- Changing eZ Publish class definitions
 - “weak-schema” and history needed

eZ “Archive” system: technology opportunities

- Massive & write intensive sites
 - Don't store inside eZ Publish, but directly into “archive” system
 - Backends scale to 10k/sec per node
- Foundation for newer and better content models
 - Separate translations and versioning
 - More flexible “classes” (ex: multiple file attachments in one data-type)



What we plan to do to help you in home cooking extensions

Extension API

- Easy to use operations on content and various part of the system
 - To be integrated and expanded in the kernel later
- Hooks in eZ Find for your external content needs such as CRM/ERP repositories
- More functionality for object states
- Role/policy system hooks

Thank you!



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