



ModuleStudio 0.5.2

Neuigkeiten und Showcases

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Ereignisse seit letztem Camp

- 2010-09 MOST 0.5.1 Release
- 2011-02 Git-Migration
- 2011-08 MOST 0.5.2 Beta Phase
- 2011-09 MOST 0.5.2 Release



Ein paar Zahlen

- Commits seit der Git-Migration
 - 1300 Generator
 - 2000 Andere Komponenten
- Migrationen
 - 4 kleinere Anwendungen in 2 Tagen aktualisiert.
 - Mehr und mehr Dinge können durch Template Overriding oder einfache Extensions erreicht werden.



Neue Features in 0.5.2

- Kompletter Support für Zikula 1.3
- Kompletter Support für Doctrine 2.1 und alle Extensions
- Reporting Generator für Metriken zur Projektverwaltung und andere Artefakte
- Einige Editor-Verbesserungen
 - Kategorien und Beschreibungen für Eigenschaften
 - Ein generisches documentation-Feld für alle Elemente
 - Hinzufügen fehlender Label Edit Möglichkeiten



Zikula 1.3 Support

- Objektorientierte Modulstruktur
- Beinhaltet neuere Core-Erweiterungen
 - Core Event Listener
 - Neues Hook-System
 - Thumbnail-Erstellung mit Imagine



Doctrine 2.1 Support

- Entity und Column Mappings
 - Locking Strategien kombiniert mit PageLock
- Association Mappings
 - Unidirektional und bidirektional
 - Fetch Types
 - Cascade Optionen auf Anwendungs- und Datenbankebene
 - Sortierte und indizierte Assoziationen
- Unterstützt, aber noch nicht in den erstellten Controllern stabil
 - Vererbungshierarchien
 - Aggregatsfelder
 - Composite Keys



Generator – Feldtypen

- Boolean
- Integer, Decimal, Float, User
- String, Text, Email, Url
- Datetime, Date, Time (past / future Validierung)
- Upload (Namensschemata, erlaubte Dateitypen)
- Array, Object
- Viele Einstellungen möglich, Eigenschaften erkunden.





Generator – Mehr Feldtypen


- Aktiviert durch String-Validierungseigenschaften
- Country Felder
- Colour Felder (Form Plugin für Colour Picker)
- Language Felder (Dropdown mit verfügbaren Locales)
- Regulärer Ausdruck (z.B. für IP-Adressen)



Generator – Mehr Feldtypen

 RecipeManager

Recipes | Image | Drink recipes | Menus | Menu positions | Ingredients | User
ingredients | Categories | Units | Recipe steps | Recipe ingredients | Recipe step ingredients | Ingredient unit
assignments | Recipe areas | Ingredient categories | Configuration |  Hooks

 Edit category

Content

Name *

Sort value *




Colour

Langcode

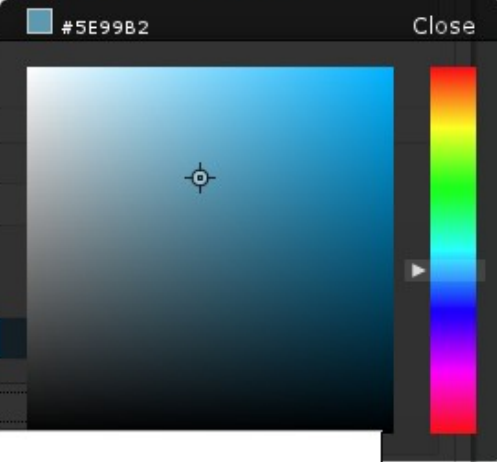
Alle
Deutsch
Englisch

Creation and update

- Created by admin
- Created on 29. Aug 2011
- Updated by admin
- Updated on 29. Aug 2011

 Update category  Delete category  Cancel

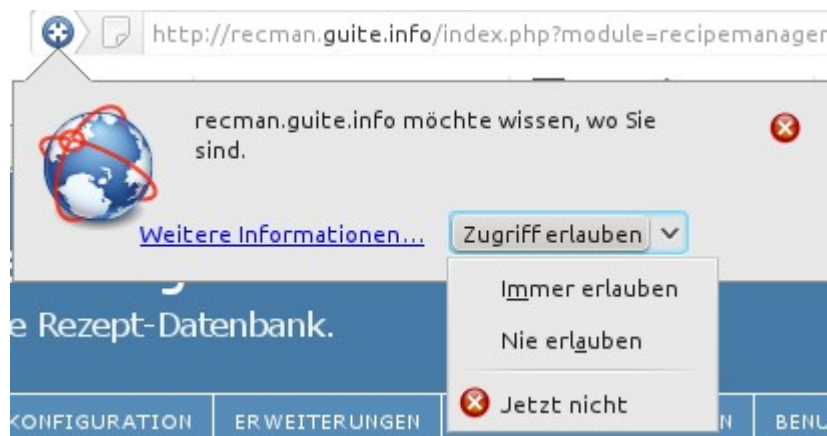
Powered by ModuleStudio 0.5.2





Extensions – Geographical

- Fügt Koordinatenfelder zu einer Entität hinzu
- HTML5 Geolocation Support während der Erstellung zur Ermittlung der Standardkoordinaten





Doctrine Extensions

- Loggable – Revisionsverwaltung mit Versionsfeldern
- Sluggable – Permalink Handling
 - Verschiedene Konfigurationsoptionen im Modell
- Sortable – Felder als Sortierposition / -gruppe
- Timestampable – automatische Datumszuweisungen
 - Trigger für Erstellung, Aktualisierung oder Eigenschaftsänderung



Extensions – Translatable

- Automatische Behandlung von Übersetzungen
 - Während der Selektion
 - Während dem Editieren

The screenshot shows the 'Projekte' extension interface. At the top, there's a navigation bar with 'Projekte', 'Projektdateien', and 'Hooks'. Below it, a 'Projekt editieren' button is visible. The main content is divided into two sections: 'Deutsch' and 'Englisch'. Each section has a 'Name' field, a 'Beschreibung' field, and a 'Technische Spezifikation' field. The 'Deutsch' section shows a project named 'Projekt Nummer 1' with a description and technical specification in German. The 'Englisch' section shows the same project named 'Project number 1' with a description and technical specification in English. Below these sections, there's a 'Further properties' section with two file upload options: 'Modelldatei PDF' and 'Modelldatei Web'. Each option has a file input field, a 'Durchsuchen...' button, and a 'Delete existing file' button. The 'Modelldatei PDF' section shows the current file is 'Download (46 KB)'. The 'Modelldatei Web' section shows the current file is 'Download (247.48 KB)'.

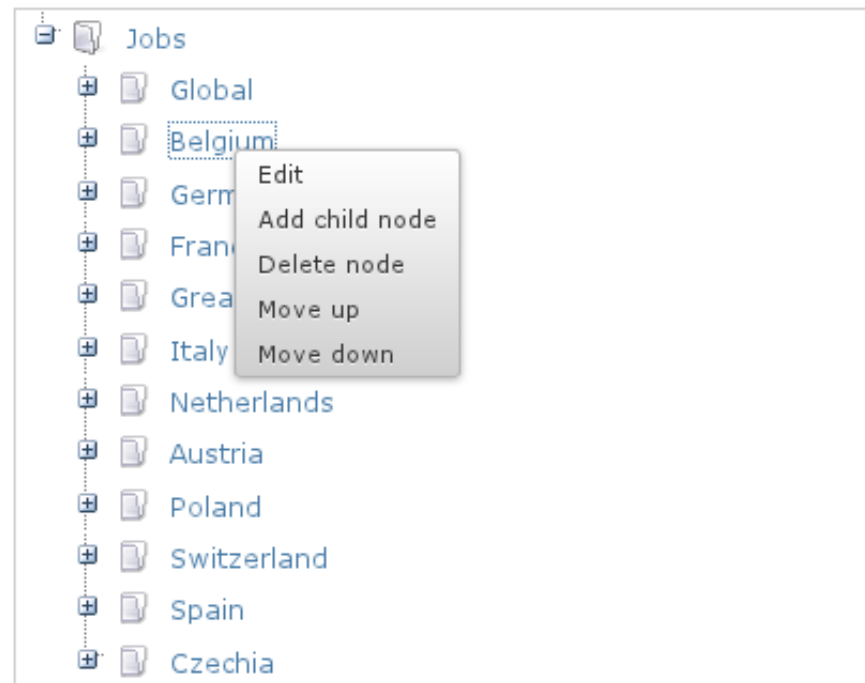
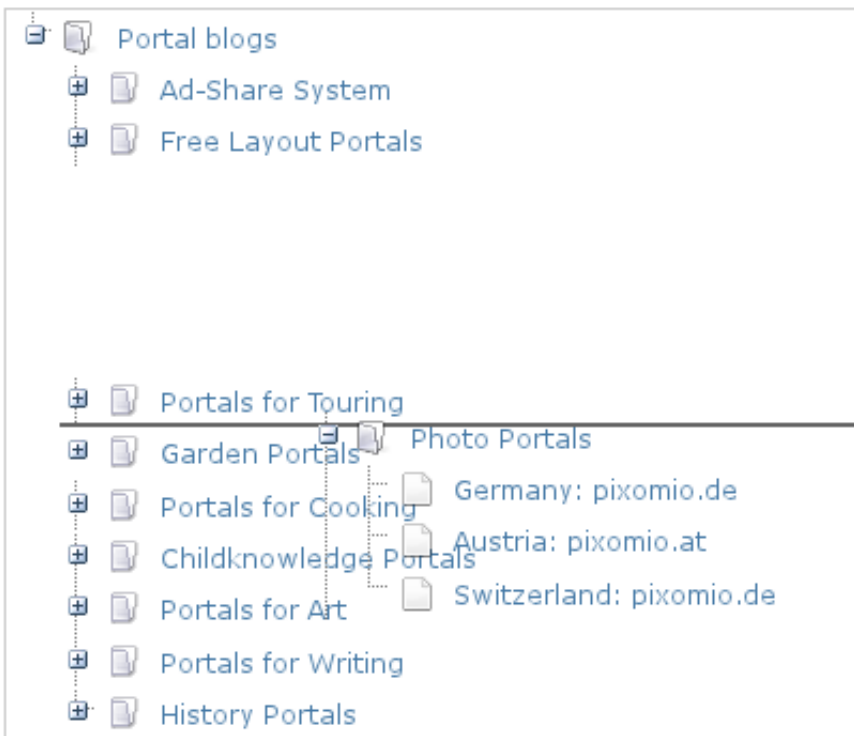


Doctrine Extensions – Tree

- Zwei Arten: Nested set vs. Closure

Category hierarchy

+ Add root node Switch to table view





Zikula Extensions

- Zusätzliche Extensions beigesteuert vom Zikula Core
 - Attribute
 - Kategorien
 - Meta-Daten
 - Standardfelder
- Zikula 1.3.1-dev notwendig

Categories

Category

- Blogging
- Musik und Audio
- Kunst und Fotografie**
- Schreiben und Denken
- Kommunikation und Medien
- Reisen und Kultur
- Wissenschaft und Technik
- Sport und Aktivitäten
- Wirtschaft und Arbeit

Creation and update

- Created by admin
- Created on 29. Aug 2011
- Updated by admin
- Updated on 29. Aug 2011

Metadata

Title

Author

Subject

Keywords

Description

Publisher

Contributor

Start date

End date

Type

Format

Uri



Extensions – Kombinationen

- Beispiel: Sluggable und Translatable
 - Wenn ein übersetzbares Feld als Teil des Slugs definiert wird, dann wird auch der Slug übersetzbar sein.
- Beispiel: Translatable und Tree
 - Die Übersetzungstabelle braucht sich nicht um die Tree-bezogenen Felder zu kümmern, da diese nicht als übersetzbar markiert sind.



Template Ausgabeformate

- Normale Templates
- Feeds
 - RSS
 - Atom

Latest recipes

A direct feed showing the list of recipes - Die neue Rezept-Datenbank.

[29. Aug 2011 - Drink recipe title 1](#)

Drink recipe description 1

[29. Aug 2011 - Drink recipe title 2](#)

Drink recipe description 2

[29. Aug 2011 - Drink recipe title 3](#)

Drink recipe description 3

[29. Aug 2011 - Drink recipe title 4](#)

Drink recipe description 4

[29. Aug 2011 - Drink recipe title 5](#)

Drink recipe description 5

[29. Aug 2011 - Recipe title 1](#)

Recipe description 1

[29. Aug 2011 - Recipe title 2](#)

Recipe description 2

Latest ingredients

A direct feed showing the list of ingredients

[Ingredient name 1](#)

29.08.2011 18:01

Ingredient description 1

[Ingredient name 2](#)

29.08.2011 18:01

Ingredient description 2

[Ingredient name 3](#)

29.08.2011 18:01

Ingredient description 3



Template Ausgabeformate

- CSV
- XML
- JSON

```
-<recipes>
  -<recipe id="1" createdon="29. Aug 2011" updatedon="29. Aug 2011">
    <MenuPosition/>
    <title>Drink recipe title 1</title>
    <description>Drink recipe description 1</description>
    <amountOfPortions>1</amountOfPortions>
    <author>1</author>
    <parties>Drink recipe parties 1</parties>
    <country>de</country>
    <difficulty>1</difficulty>
    <downloadFile/>
    <totalDuration>0</totalDuration>
    <additionalData>1</additionalData>
    <additionalObject>Recipe additional object 1</additionalObject>
    <recipeVersion>1</recipeVersion>
  </recipe>
  -<recipe id="2" createdon="29. Aug 2011" updatedon="29. Aug 2011">
    <MenuPosition/>
```

```
{"date":"2011-08-29 17:01:01","timezone_type":3,"timezone":"Europe/Berlin"},"updatedAt":{"date":"2011-08-29
17:01:01","timezone_type":3,"timezone":"Europe/Berlin"},"_objectType":"recipe","_idFields":[],"_validator":null,"_hasUniqueSlug":false,"title":"Drink
recipe title 5","description":"Drink recipe description 5","amountOfPortions":5,"author":5,"parties":"Drink recipe parties
5","country":"de","difficulty":5,"downloadFileMeta":
["downloadFile":"","downloadFileFullPath":"","downloadFileFullPathUrl":"","totalDuration":0,"additionalData":5,"additionalObject":"Recipe additional
object 5","recipeVersion":1,"slug":"drink-recipe-title-5-de","metadata":null,"categories":{},"areas":{},"ingredients":{},"steps":{},"images":{}
}
{"_objectType":"recipe","_idFields":[],"_validator":null,"_hasUniqueSlug":false,"id":6,"title":"Recipe title 1","description":"Recipe description
1","amountOfPortions":1,"author":1,"parties":"Recipe parties 1","country":"de","difficulty":1,"downloadFileMeta":
["downloadFile":"","downloadFileFullPath":"","downloadFileFullPathUrl":"","totalDuration":0,"additionalData":["additionalObject":"Recipe additional
object 1","recipeVersion":1,"slug":"recipe-title-1-de","metadata":null,"categories":{},"createdUserId":2,"updatedUserId":2,"createdDate":
{"date":"2011-08-29 17:01:01","timezone_type":3,"timezone":"Europe/Berlin"},"updatedAt":{"date":"2011-08-29
17:01:01","timezone_type":3,"timezone":"Europe/Berlin"},"areas":{},"ingredients":{},"steps":{},"images":{}
}
{"_objectType":"recipe","_idFields":[],"_validator":null,"_hasUniqueSlug":false,"id":7,"title":"Recipe title 2","description":"Recipe description
2","amountOfPortions":2,"author":2,"parties":"Recipe parties 2","country":"de","difficulty":2,"downloadFileMeta":
["downloadFile":"","downloadFileFullPath":"","downloadFileFullPathUrl":"","totalDuration":0,"additionalData":["additionalObject":"Recipe additional
object 2","recipeVersion":1,"slug":"recipe-title-2-de","metadata":null,"categories":{},"createdUserId":2,"updatedUserId":2,"createdDate":
{"date":"2011-08-29 17:01:01","timezone_type":3,"timezone":"Europe/Berlin"},"updatedAt":{"date":"2011-08-29
17:01:01","timezone_type":3,"timezone":"Europe/Berlin"},"areas":{},"ingredients":{},"steps":{},"images":{}
}
{"_objectType":"recipe","_idFields":[],"_validator":null,"_hasUniqueSlug":false,"id":8,"title":"Recipe title 3","description":"Recipe description
3","amountOfPortions":3,"author":3,"parties":"Recipe parties 3","country":"de","difficulty":3,"downloadFileMeta":
["downloadFile":"","downloadFileFullPath":"","downloadFileFullPathUrl":"","totalDuration":0,"additionalData":["additionalObject":"Recipe additional
object 3","recipeVersion":1,"slug":"recipe-title-3-de","metadata":null,"categories":{},"createdUserId":2,"updatedUserId":2,"createdDate":
{"date":"2011-08-29 17:01:01","timezone_type":3,"timezone":"Europe/Berlin"},"updatedAt":{"date":"2011-08-29
17:01:01","timezone_type":3,"timezone":"Europe/Berlin"},"areas":{},"ingredients":{},"steps":{},"images":{}
}
```



Generator – weitere Features

- Überarbeitetes Validator-Framework
- URL-Parameter für Redirects nach dem Editieren
 - Beispiel: Link zum Edit-Form für eine Kundenadresse
 - `&returnTo=userDisplay` – Redirect zur Detailseite der Adresse
 - `&returnTo=adminView` – Redirect zur Admin-Liste der Adressen
 - `&returnTo=userCustomerDisplay` – Detailseite Kunde
- Flexibler Routing-basierter Short URL Support



Generator – Konfig Seite

- ModVars können in Gruppen sortiert werden
- Der Generator erstellt ein Tabbed Panel daraus

 Settings

General settings | Downloads | Language | Display | Thumbnails | Emails

Download-related settings.

Use download function

Use download function? (includes download counters)

Max attachment size MB

Is attachment mandatory

Is the upload of the download file mandatory?

Allowed file types

Comma separated list of file extensions, without dots. Leave blank to allow all file types.

Example: *jpg, png*


The following file types are always blocked due to security restrictions: *cgi, pl, asp, phtml, php, php3, php4, php5, exe, com, bat, jsp, cfm, shtml*

Download countdown duration seconds

Read exif data for description

Preset the description with per breaks separated EXIF-data? (for photos)

If this setting is enabled the attachment page in item editing will be the first page, not the second.

 Update configuration

 Cancel



Dokumentation

- Erster Entwurf für ein Benutzerhandbuch
- Beinhaltet Referenzen für Validierung und Generator
- Verfügbar in verschiedenen Versionen
 - Hilfe in der Anwendung selbst
 - HTML-Version (noch nicht publiziert)
 - PDF-Dokument



Dokumentation

Willkommen zur ModuleStudio Dokumentation

Search: Go [Scope: All topics](#)

Contents

- ModuleStudio User's Guide v0.5.2
 - First steps
 - Introduction
 - Component overview
 - Getting started
 - User interface
 - Enhanced topics
 - Validation
 - Application generator
 - Introduction
 - Basic idea
 - How it works
 - The workflow
 - Generator reference
 - Application layer
 - Model layer
 - Language elements
 - Entity**
 - Entity field
 - Derived field
 - Calculated field
 - Boolean field
 - Abstract integer field
 - Integer field
 - Decimal field
 - Float field

- metaData** - A boolean specifying whether this entity should have support for meta data. If set to *true* the generator creates additional inclusion templates for displaying and changing corresponding fields.
- nameMultiple** - Plural form of the name. The generator uses this for collections, list views and other areas where multiple entities are used.
- readOnly** - A boolean specifying whether this entity is read only or not. If set to *true* editing will not be possible.
- slugLength** - Length of slug field. Defaults to 255. An entity is sluggable as soon as at least one of its fields set *sluggable position* to a value greater than 0.
- slugSeparator** - Separator which will separate words in slug. Default value is - like in Zikula, too.
- slugStyle** - Which **slug style** is used.
- slugUnique** - A boolean specifying if the slug is unique or not. Default value is *true*.
- slugUpdatable** - A boolean specifying if the slug can be changed or not. Default value is *true*.
- tree** - Whether and which tree strategy is applied. More information about what the generator creates for trees can be found in the section about **entity tree types**.
- standardFields** - A boolean specifying whether the standard fields behaviour is used or not. If set to *true* the entity will get four additional fields for storing the id of the user who created the item, the id of the user who did the last update, as well as the creation and update dates. This information will be included on **display** and **edit** actions.

Normally all created classes are generated twice. Thereby an empty concrete class inherits from an abstract base class containing the whole generator code. The motivation behind this separation is that your own code keeps free from generated artifacts.

Example:

```
class MyModule_Entity_Validator_Base_Person
    extends MyModule_Validator
{
    // generator code
}
class MyModule_Entity_Validator_Person
    extends MyModule_Entity_Validator_Base_Person
{
    // manual code
}
```

One exception for this scheme is **inheritance**.

MOST


- [Homepage](#)
- [Support](#)
- [Demoseite](#)

MOST Bugtracker

- [Generator](#)
- [Dokumentation](#)
- [Übersetzungen](#)

Zikula

- [Homepage](#)
- [Wiki](#)
- [Support](#)



MODULESTUDIO



Ausblick auf 0.5.3

- Bugfixing für Tooling und Generator
- Einige kleinere Generator-AddOns
 - Karten-Einbindung für Geographical Support
 - Erstellung eines einfachen Workflows
- Dokumentation
 - Vielleicht einige Verbesserung in Sachen Hilfe-Interaktion (wie aktive Hilfe und kontextsensitive Hilfe).



Fragen?

- Homepage
 - <http://modulestudio.de>
- Github
 - <https://github.com/Guite/MostGenerator>
 - <https://github.com/Guite/MostHelp>
 - <https://github.com/Guite/MostExamples>
- Google Group
 - <http://groups.google.com/group/most-dev/>