

EXT: RSS feed

Extension Key: **ecorss**

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- a GNU/GPL CMS/Framework available from www.typo3.com

Table of Contents

EXT: RSS feed.....	1	Combining Content from a Flexform and From	
Introduction.....	1	Another Table.....	8
What does it do?.....	1	tt_news example.....	8
No screenshots necessary!.....	2	Available Hooks.....	9
Installation.....	2	Configuration.....	9
User guide.....	2	Class Example.....	9
How to Build a Feed, TypoScript Example.....	2	TypoScript Configuration.....	9
Feed Configuration Examples.....	5	Administration.....	10
Generating a RSS or ATOM feed.....	5	Clear the cache.....	10
Filtering Content based on Page Language.....	6	Known problems.....	10
Filtering Records from Table tt_content.....	6	To-Do list.....	10
Including and Excluding Field's Value.....	7	Acknowledgments.....	10
Selecting Content from a Flexform.....	7	Changelog.....	10

Introduction

What does it do?

This extension is designed to set up **quickly** and **easily** one or many rss feeds from any tables of the database. Copy / paste a few TypoScript lines in your template setup and that's it! You can follow the latest content of your website – keep an eye on the latest frontend user, etc.

Features

- Choose whether ATOM or RSS feed is displayed:
 - [http://en.wikipedia.org/wiki/Atom_\(standard\)](http://en.wikipedia.org/wiki/Atom_(standard))
 - [http://en.wikipedia.org/wiki/RSS_\(file_format\)](http://en.wikipedia.org/wiki/RSS_(file_format))
- Extract value from flexform (requires MySQL 5.2). Some values can be stored in flexform data. This information is not very practical to extract. However with MySQL 5.2, it is now possible to build XPath requests and fetch data within the XML structures.
- Hide / show several different feeds on the same pages. RSS feeds are very practical to follow the life of a website. You can imagine a feed that informs you whether a new page is created, a backend user's profile has been updated or a content element has been updated. Such administrative feeds are not necessarily shown in the frontend but are given only for administrators.
- A lot of possible data combinations and configurations...

Further documentation of RSS: <http://www.rssboard.org/rss-specification>

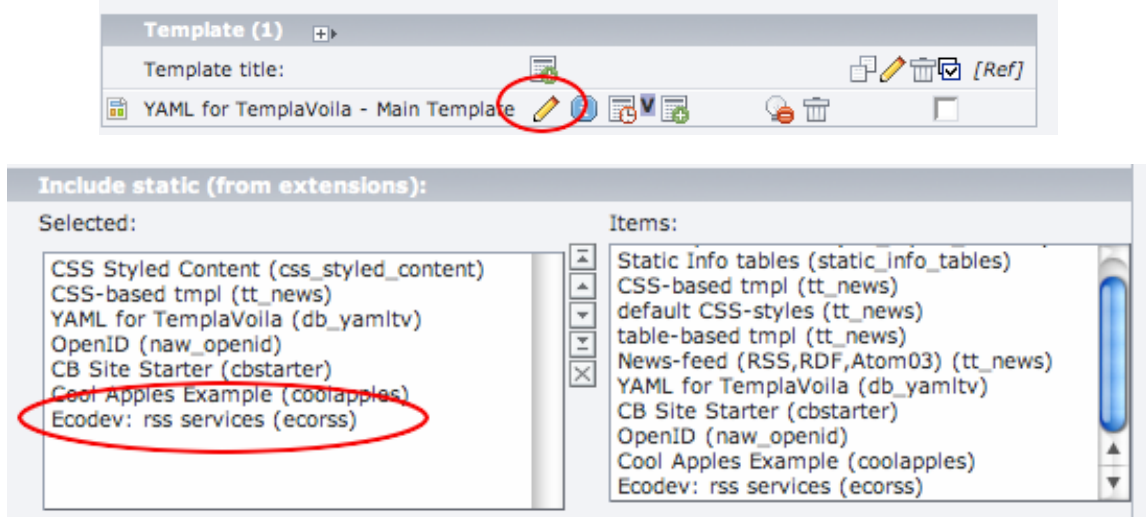
No screenshots necessary!

@see rather the TypoScript example in the next section.

Installation

Download and activate the extension as normal. publishedNo database update necessary.

Update your "Static Include" from extension by editing the main template (module Web > List) as follows:



User guide

A backend user can exclude a content element from the feed. A checkbox is available after the field "hidden".s

In order to generate the RSS on a page, this ending must be added to the page url: **/?type=103**.

The number must be identical to your setup.

How to Build a Feed, TypoScript Example

Very Important: This extension won't work until you properly complete the installation section.

Express Installation

Copy / paste these lines into a template > setup. Beware of the cache period. The feed is regenerating every 3600 seconds. To change this value, check parameter "cache_period".

```
#####
# GENERATE THE FEED
#####
feed = PAGE
feed {
    typeNum = 103
    10 >
    10 = USER
    10.userFunc = JambageCom\Ecorss\Controller\FeedController->display
    10.lang = fr-FR
    # CHANGE THIS:
    10.title = title of the feed
    # CHANGE THIS:
    10.subtitle = subtitle of the feed
    config{
        disableAllHeaderCode = 1
        disableCharsetHeader = 1
        additionalHeaders.10.header = Content-Type:application/rss+xml;charset=utf-8
        no_cache = 1
        xhtml_cleaning = 0
        admPanel = 0
        disablePrefixComment = 1
    }
}
```

```

    linkVars >
}

}

#####
# DECLARE FEED IN THE FRONTEND(ATOM)
#####
page.headerData.12 = USER
page.headerData.12.userFunc = JambageCom\Ecorss\Controller\FoodController->add
page.headerData.12.feed{
    typeNum = 103
    title < feed.10.title
}

```

More Details: Declaring a RSS or ATOM Feed in the Frontend

Declaring two different feeds onto the frontend

Copy paste these lines in a template > setup.

```

page = PAGE
page.headerData.12 = USER
page.headerData.12.userFunc = JambageCom\Ecorss\Controller\FoodController->add
page.headerData.12.feed1{
    title = Here comes the title of the feed 1
    typeNum = 103
    feed = atom
}
page.headerData.12.feed2{
    title = Here comes the title of the feed 2
    typeNum = 100
    feed = rss
}

```

Plugin Global Configuration Constants

Property:	Data type:	Description:	Default:
feedType	int (mandatory)	the type of the page like index.php?id=1&type=121	null
title	string	the title of the feed	
subtitle	string	description	
feed	string	2 possibles values: atom – rss have a look at the following links to know the difference of the formats: <ul style="list-style-type: none"> http://en.wikipedia.org/wiki/Atom_(standard) http://en.wikipedia.org/wiki/RSS_(file_format) 	atom

Important Remark

In case you have several feeds, you might want define constants to avoid repeating things.

In the constant editor:

```

plugin.tx_eorss.title = Here comes the *title* for every feeds
plugin.tx_eorss.subtitle = Here comes the *subtitle* for every feeds
...

```

Feed Configuration

Property:	Data type:	Description:	Default:
title	string	the title of the feed	atom
subtitle	string	the subtitle of the feed	
lang	string	the character encoding: fr-FR ; de-DE ; en-US	en-GB
host	string	define an other host name t if not the same as GeneralUtility::getIndpEnv('TYPO3_SITE_URL'). If protocol (http:// or https://) is not specified, then http:// will be prefixed.	GeneralUtility::getIndpEnv('TYPO3_SITE_URL')
encoding	string		utf-8
numberOfItems	string	number of elements in the feed	10

Property:	Data type:	Description:	Default:
feed	string	2 possibles values: atom ; rss have a look at the following links to know the difference of the formats: <ul style="list-style-type: none"> ● http://en.wikipedia.org/wiki/Atom_(standard) ● http://en.wikipedia.org/wiki/RSS_(file_format) 	atom
author.name	string	the author of the feed's (Atom feed). Remark: If you want to save this value automatically in the database, have a look at the extension "fhm_author".	Page's author name
author.email	string	the email of the author (Atom feed). Beware: default Atom template does not write the email, you have to modify file templates/atom.php) Remark: If you want to save this value automatically in the database, have a look at the extension "fhm_author".	Page's author email
cache_period	int	How long should the feed be hold in cache. Unit in second	3600
no_anchor	int	Define if the URL will not contain an anchor in the form #c plus number like this : http://mydomaine.tld/index.php?id=123#c343	0
pidRootline	int	which page id define the first page of the site (update on this page will be included too in the feed). It is useful with multi domain websites or to create feeds related to sections in the website	null
sysLanguageUid	int	which language (L parameter in multilingual sites) should be used to filter updated content. If left unconfigured, return all content in all languages	null
profileAjaxType	int	which page type should be used to include website content in the feed (useful to change the page type to use a stripped down layout – e.g., w/o menu – when reading the news in a newsreader such as Thunderbird)	0
hook	user defined	If you create a hook for post-processing feed entries, you may configure it as you wish using this section. See section "Available Hooks" for more information.	null
tidy	int	Launch the tidy command	0
tidy_path	string	Configuration parameters given to tidy	tidy -i -utf8 -xml
parseFunc	→ > parseFunc	See TYPO3 docu	

Elements of the Feed Configuration (select.)

Here you can configure multitable out of which the news feed is read.

Property:	Data type:	Description:	Default:
title	string	the field of the database that corresponds to the "title" of an element in the feed. Most of the time, it will be tt_content.header	header
titleXPath	string	the field where the flexform is stored. Most of the time, it will be content.pi_flexform	pi_flexform
summary	string	the field of the database that corresponds to the "body of an element in the feed. Most of the time, it will be tt_content.bodytext	bodytext
summaryXPath	string	XML-path of a flexform to the field of the database that corresponds to the "body of an element in the feed. Most of the time, it will be tt_content.bodytext	utf-8
image	string	the field of the database table that corresponds to the image reference to FAL	
published	string	the field of the database table that corresponds to the time stamp when the element is published	tstamp
updated	string	the field of the database table that corresponds to the time stamp when the element is updated	tstamp
uid	string	the uid field name of the database	uid
pid	string	the page id's field name of the database table	pid
filterField	string	define which field will be used to filter elements. Will be transform in a SQL statement like field = value => list_type = some_plugin	null
filterInclude	comma separated string	define which value will be used to filter elements. Will be transform in a SQL statement like field = value => list_type = some_plugin E.g.: tx_ecorss_controllers_feed	null
filterExclude	comma separated string	define which value will NOT be used. Will be transformed in a SQL statement like list_type != some_plugin	
table	string	which table contains the element of the feed	tt_content
debug	boolean	output the request in the RSS feed. Maybe useful to debug the request.	false

Property:	Data type:	Description:	Default:
linkItem	boolean	wrap the title with a link. E.g. an administrative feed telling that a new user has been created for example. This must be set if you want to use <i>single_page</i> or <i>profileAjaxType</i> .	1
defaultText	string	should the element contain a default value. Useful for administrative feed.	null
single_page.pid	int	page id containing the plugin to display a single record as defined in "select" configuration element.	null
single_page.linkParamUid	string	parameter to the url to choose the record to be shown. E.g. if you use the extension mininews, you will have to set this to "tx_mininews_pi1[showUid]" as the URL to show a single news is the URL of the page containing the mininews plugin and the parameter &tx_mininews_pi1[showUid]=<uid>	null
single_page.linkParam	string	Parameter added at the end. E.g. <i>no_cache=1</i>	
orderBy	string	defines the order of the feed.	tstamp DESC
where	string	defines additional conditions (where = AND myField = 'myValue')	null
truncate	int	defines how many character the summary should be shorten up.	null
author	string	the field of the database that corresponds to the "author". If not defined, retrieves the author from the page.	empty
extraFields	string	additional fields extraFields = datefrom, dateto	empty
additionalSQL	string	example: adding categories management for tt_news AND tt_news.uid IN (SELECT tt_news_cat_mm.uid_local FROM tt_news_cat_mm WHERE tt_news_cat_mm.uid_foreign = 5)	empty
additionalPids	string	comma separated string. Defines additional pid to include in the request. Useful for adding external sysfolder of the root page.	empty
baseUrl	string	Ecorss reads the domain by the global variable TYPO3_SITE_URL. But maybe this does not work. So gives ecorss a little hand by giving the base URL. Example of value: baseUrl = http://replace.tld	empty

Feed Configuration Examples

Generating a RSS or ATOM feed

The minimum configuration to build a feed. Copy paste these lines in a template > setup. It will display the latest updated content from table tt_content with 10 items.

```
feed2 = PAGE
feed2 {
    typeNum = 103
    10 >
    10 = USER
    10.userFunc = JambageCom\Ecorss\Controller\FeedController->display
    10.title = title of the feed
    10.subtitle = subtitle of the feed
    10.lang = fr-FR
    config {
        disableAllHeaderCode = 1
        disableCharsetHeader = 1
        additionalHeaders.10.header = Content-Type:application/rss+xml;charset=utf-8
        no_cache = 1
        xhtml_cleaning = 0
        admPanel = 0
        disablePrefixComment = 1
        linkVars >
    }
}
```

Generating a RSS or ATOM feed (more configuration)

It will provide exactly the same output as "feed2" but with more configuration

```
feed3 = PAGE
feed3 {
    typeNum = 103
```

```

10 >
10 = USER
10.userFunc = JambageCom\Ecorss\Controller\FeedController->display
10.title = title of the feed
10.subtitle = subtitle of the feed
10.lang = fr-FR
10.cache_period = 3600
10.numberItems = 10
10.feed = atom
10.select {
    01 {
        table = tt_content
        title = header
        summary = bodytext
        image = image
        published = tstamp
        updated = tstamp
        debug = 0
    }
}
config {
    disableAllHeaderCode = 1
    disableCharsetHeader = 1
    additionalHeaders.10.header = Content-Type:application/rss+xml;charset=utf-8
    no_cache = 1
    xhtml_cleaning = 0
    admPanel = 0
    disablePrefixComment = 1
    linkVars >
}
}

```

Filtering Content based on Page Language

Only return entries for the language associated to L=1 (e.g., English).

```

feed4 = PAGE
feed4 {
    typeNum = 103
    10 >
    10 = USER
    10.userFunc = JambageCom\Ecorss\Controller\FeedController->display
    10.title = title of the feed
    10.subtitle = subtitle of the feed
    10.lang = en-GB
    10.sys_language_uid = 1
    config {
        disableAllHeaderCode = 1
        disableCharsetHeader = 1
        additionalHeaders.10.header = Content-Type:application/rss+xml;charset=utf-8
        no_cache = 1
        xhtml_cleaning = 0
        admPanel = 0
        disablePrefixComment = 1
        linkVars >
    }
}

```

Filtering Records from Table tt_content

```

feed5 = PAGE
feed5 {
    typeNum = 103
    10 >
    10 = USER
    10.userFunc = JambageCom\Ecorss\Controller\FeedController->display
    10.title = title of the feed
    10.subtitle = subtitle of the feed
    10.lang = fr-FR

    10.select {
        01 {
            table = tt_content
            # it will be transformed in SQL for list_type=tx_eorss_controllers_feed
            filterField = list_type
            # comma separated value
            filterInclude = tx_eorss_controllers_feed
        }
    }
}

```

```

    }
  }
  config {
    disableAllHeaderCode = 1
    disableCharsetHeader = 1
    additionalHeaders.10.header = Content-Type:application/rss+xml;charset=utf-8
    no_cache = 1
    xhtml_cleaning = 0
    admPanel = 0
    disablePrefixComment = 1
    linkVars >
  }
}

```

Including and Excluding Field's Value

Include and exclude field's value in a more verbose configuration.

```

feed6 = PAGE
feed6 {
  typeNum = 103
  10 >
  10 = USER
  10.userFunc = JambageCom\Ecorss\Controller\FeedController->display
  10.title = title of the feed
  10.subtitle = subtitle of the feed
  10.lang = fr-FR
  10.cache_period = 3600
  10.numberItems = 10
  10.feed = atom
  10.select {
    01 {
      table = tt_content
      filterField = list_type
      filterInclude = text, textpic
      filterExclude = list, mailform
      # the value corresponds to a field (title of the entry)
      title = header
      # the value corresponds to a field (body of the entry)
      summary = bodytext
      debug = 0
    }
  }
  config {
    disableAllHeaderCode = 1
    disableCharsetHeader = 1
    additionalHeaders.10.header = Content-Type:application/rss+xml;charset=utf-8
    no_cache = 1
    xhtml_cleaning = 0
    admPanel = 0
    disablePrefixComment = 1
    linkVars >
  }
}

```

Selecting Content from a Flexform

Requires MySQL >= 5.2.

```

feed7 = PAGE
feed7 {
  typeNum = 103
  10 >
  10 = USER
  10.userFunc = JambageCom\Ecorss\Controller\FeedController->display
  10.title = title of the feed
  10.subtitle = subtitle of the feed
  10.lang = fr-FR
  10.cache_period = 3600
  10.numberItems = 10
  10.feed = rss
  10.select{
    01{
      table = tt_content
      filterField = list_type
      filterInclude = tx_ecorss_controllers_feed
      # this option is not mandatory
    }
  }
}

```

```

        summary = pi_flexform
        summaryXPath = /T3FlexForms/data/sheet[@index="sSummary"]/language/field/value[text()]
    }
}
config{
    disableAllHeaderCode = 1
    disableCharsetHeader = 1
    additionalHeaders.10.header = Content-Type:application/rss+xml;charset=utf-8
    no_cache = 1
    xhtml_cleaning = 0
    admPanel = 0
    disablePrefixComment = 1
    linkVars >
}
}
}

```

Combining Content from a Flexform and From Another Table

Select content from a Flexform (require MySQL 5.2) AND combine with an other feed from an other table (tx_mininews_news) associated to extension mininews.

```

feed8 = PAGE
feed8 {
    typeNum = 103
    10 >
    10 = USER
    10.userFunc = JambageCom\Ecorss\Controller\FoodController->display
    10.title = title of the feed
    10.subtitle = subtitle of the feed
    10.lang = fr-FR
    10.cache_period = 3600
    10.numberItems = 10
    10.select {
        01 {
            table = tt_content
            filterField = list_type
            filterInclude = tx_ecorss_controllers_feed
            summaryXPath = /T3FlexForms/data/sheet[@index="sSummary"]/language/field/value[text()]
        }
        02 {
            table = tx_mininews_news
            title = title
            summary = teaser
            published = tstamp
            updated = tstamp
            debug = 0
            no_anchor = 1

            single_page {
                pid = 87
                linkParamUid = tx_mininews_pil[showUid]
            }
        }
    }
}
config {
    disableAllHeaderCode = 1
    disableCharsetHeader = 1
    additionalHeaders.10.header = Content-Type:application/rss+xml;charset=utf-8
    no_cache = 1
    xhtml_cleaning = 0
    admPanel = 0
    disablePrefixComment = 1
    linkVars >
}
}
}

```

tt_news example

```

feed = PAGE
feed {
    typeNum = 103
    10 = USER
    10 {
        userFunc = JambageCom\Ecorss\Controller\FoodController->display
        lang = fr-FR
        10.title = REPLACE
    }
}

```



```

10.subtitle = REPLACE
   pidRootline = REPLACE
   tidy = 1
   numberItems = 10
   select {
       01 {
           table = tt_news
           title = title
           summary = short
           image = image
           published = crdate
           updated = tstamp
           debug = 0
           no_anchor = 1
           additionalSQL = AND tt_news.uid IN (SELECT tt_news_cat_mm.uid_local FROM tt_news_cat_mm WHERE
tt_news_cat_mm.uid_foreign = 5)
           additionalPids = 27

           single_page {
               pid = 483
               linkParamUid = tx_ttnews[tt_news]
           }
       }
   }
}

config{
    disableAllHeaderCode = 1
    disableCharsetHeader = 1
    additionalHeaders.10.header = Content-Type:application/rss+xml;charset=utf-8
    no_cache = 1
    xhtml_cleaning = 0
    admPanel = 0
    disablePrefixComment = 1
    linkVars >
}
}

```

Available Hooks

One single hook, namely `PostProcessingProc`, is available and let you post-process each feed entry before displaying / caching it.

Configuration

Create a PHP class containing your own processing method (see section “Class Example” below) and reference it in `localconf.php`:

```

include(dirname(__FILE__).'../fileadmin/class.user_ecorss.inc');
$TYPO3_CONF_VARS['EXTCONF']['ecorss']['PostProcessingProc'][] = 'user_ecorss->proc';

```

Remark

This configuration example uses a file `class.user_ecorss.inc` which is stored in `fileadmin`. You may change it as you wish to fit your needs!

Class Example

This example shows how to create a post-processing method which prepends “Hello - “ to the feed title.

```

<?php
class user_ecorss {
    public function proc($feed, $cObj) {
        $feed['entry']['title'] = 'HELLO - ' . $feed['entry']['title'];
    }
}

```

TypoScript Configuration

If you need to parameterize the post processing function, you may extend the feed configuration with any parameter in the hook block:

```
feed1.10.hook {  
    myPrefix = Hello World ::  
}
```

And then in your class:

```
$feed['entry']['title'] = $feed['config']['myPrefix'] . $feed['entry']['title'];
```

Administration

Clear the cache

Add parameter `clear_cache=1` in order to clear the cache and regenerate the content of the feed.

Example URL: `http://example.ch/index.php?type=103&clear_cache=1`

Known problems

- Please report a problem you might meet to franz.holzinger@tproducts.de

To-Do list

- Manage the `<keyword>` tag in RSS feed (depending on the demand)

Acknowledgments

–

Changelog

Please refer to the `Changelog.txt` in the extension itself.