

Flip it!

Flip it! enables you to run over pages in PDF documents like in a real magazine. Flip it! offers lovely and smooth page flip transitions. The visitor of your website does not need any PDF plugin but a Flash plugin. Flip it! can convert PDF documents to SWF files automatically. See: <http://typo3-flipit.de/>



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The content of this document is related to TYPO3
- a GNU/GPL CMS/Framework available from www.typo3.org

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Screenshots

Frontend



Illustration 1: Thumbnail

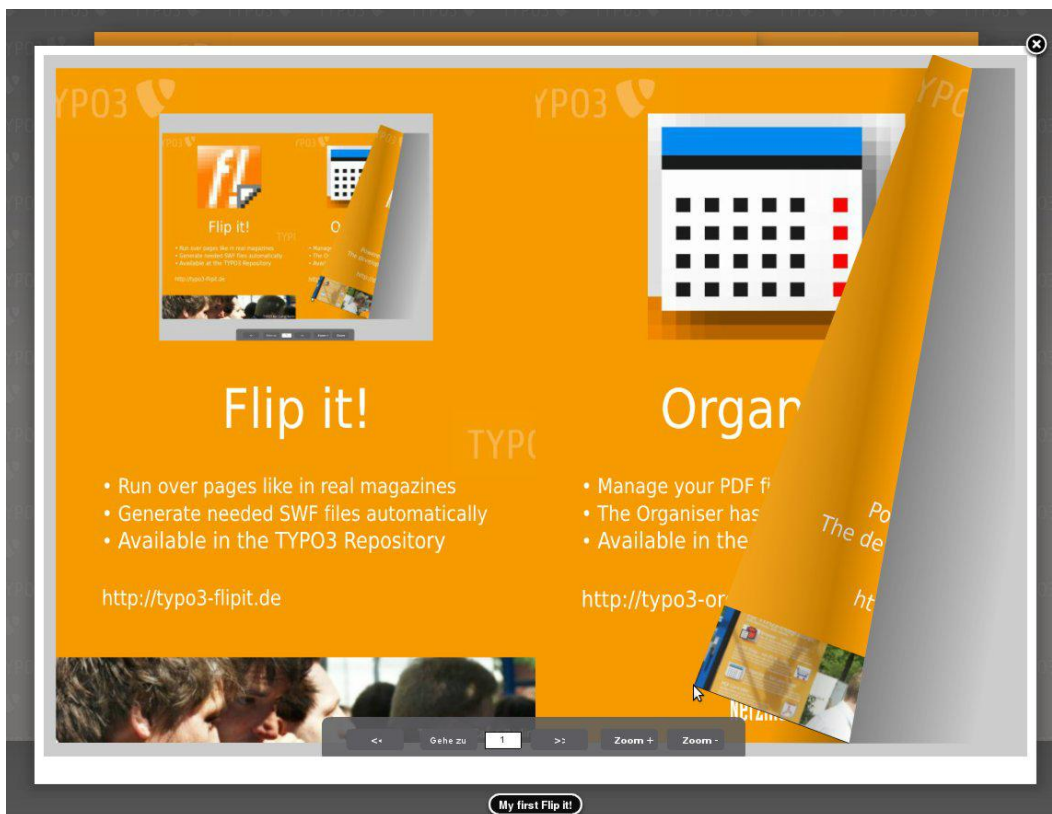


Illustration 2: Run over pages like in a real magazine. Flip it! application in the fancybox.

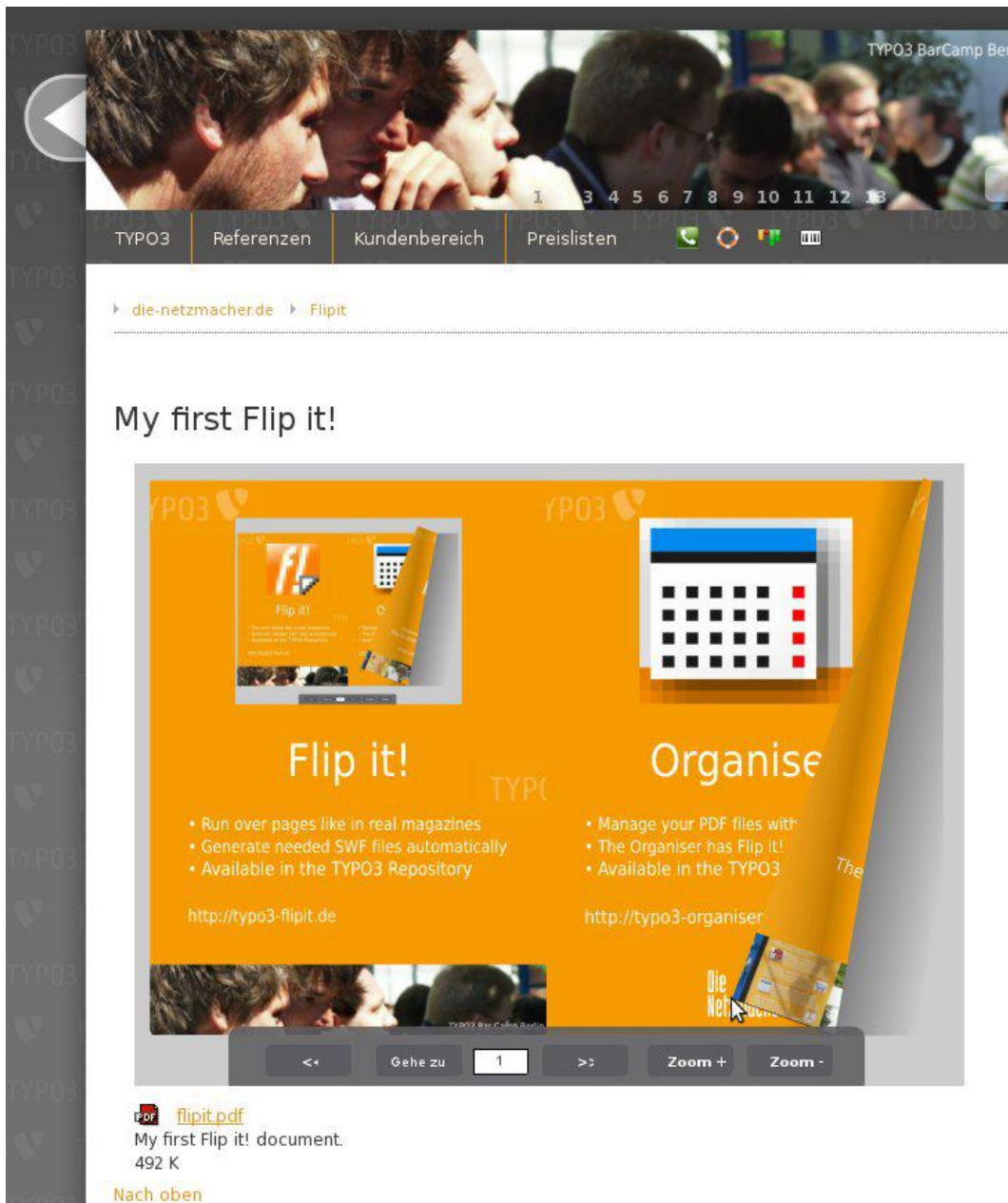


Illustration 3: Run over pages like in a real magazine. Flip it! application without a fancybox.

Backend

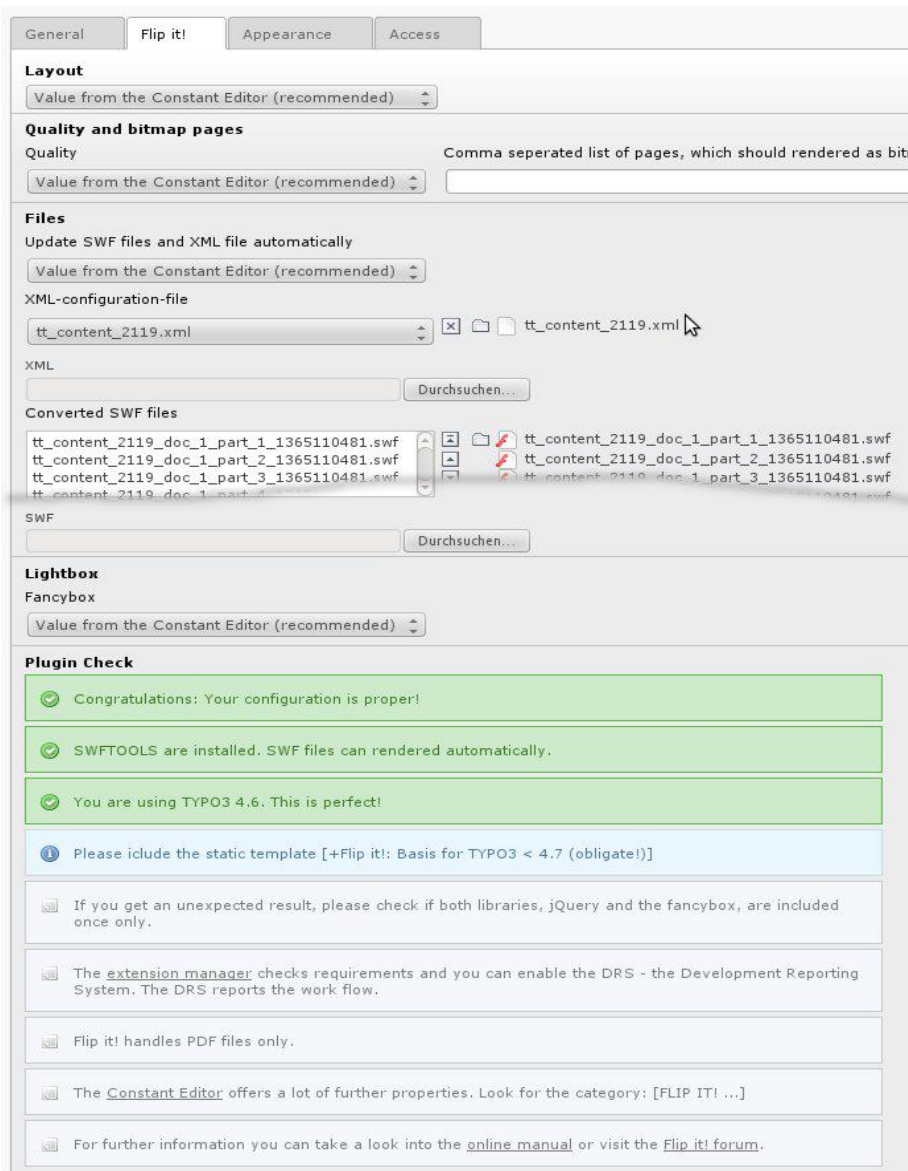


Illustration 4: Flip it! extends the content element "File Link" with a new tab [Flip it!]

See detailed information about the plugin / flexform at "Plugin / Flexform" on page 20 below.

Introduction

What does Flip it! do?

- Flip it! enables you to run over pages in PDF documents like in a real magazine.
- Flip it! offers lovely and smooth page flip transitions.
- The visitor of your website does not need any PDF plugin but a Flash plugin.
- Flip it! can convert PDF documents to SWF files automatically.
- Flip it! is configurable by both user interfaces: by the plugin/flexform and by the TypoScript Constant Editor.
- You have round about sixty properties of configuration.
- The fancybox (lightbox) is integrated.
- Flip it! extends the TYPO3 content element "File Links" and doesn't have any own plugin.
- Flip it! evaluates requirements and your configuration.
- Flip it! is supported by the DRS – the Development Reporting System. It prompts the workflow while runtime.

What do you need?

- If you like an auto-converting of PDF documents to SWF files, you need the SWFTTOOLS (see page 36).
Note: Flip it! runs without SWFTTOOLS too.
- Visitors of your website need a Flash plugin.

TYPO3 from 4.5 to 6.1

Flip it is tested in TYPO3 versions

- 4.5, 4.6 and 4.7
- 6.0 and 6.1

Fancybox isn't proper in TYPO3 6.1. See "Fancyboy: unproper in TYPO3 6.1" on page 45.

Forum

Flip it! will get a website and a forum. Please visit:

- English: <http://typo3-flipit.de/en/>
German: <http://typo3-flipit.de/>
- <http://forum.typo3-flipit.de/>
Posts are welcome in English in German. Sorry the user interface is in German only.

Quick Installation

- Install SWFTTOOLS, if Flip it! should generate SWF files automatically (this is recommended). See "What's new" on page 36 below. Note: Flip it! runs without SWFTTOOLS too.
- Install this extension.
- Enable it.
- Check requirements with the [EVALUATOR] within the extension manager.
- Add a page "flipit" to your page tree.
 - Add a TypoScript template.
 - Include static (from extensions): [Flip it!: Base (obligate!)]
 - If TYPO3 below 4.7 is running, add the static template for TYPO3 < 4.7
 - Add the content element [File Links]
 - Check requirements. See tab [Flip it!] area "Check Plugin".
 - Upload a PDF file.
 - If Flip it! runs without SWFTTOOLS, upload the SWF files and the XML file by your own. See "Using the SWFTTOOLS offline" on page 38 below. Or test it with the "Sample data" on page 14 below.
 - Select the tab [Flip it!]
 - Enable Flip it! by selecting a layout from [layout_01] to [layout_03]
- Run the frontend
 - Click on the Flip it! thumbnail.
- If you get an unexpected result, please refer to the section "Performance" on page 26 below.

Installation

Install SWFTTOOLS (optional)

If Flip it! should generate SWF files automatically (this is recommended), please install the SWFTTOOLS.

See "What's new" on page 36 below.

Note: This is an option. Flip it! runs without SWFTTOOLS too.

Install this extension.

- Install this extension.
- Enable it.

Update the database

Update the database and create the update folder "uploads/tx_flipit"

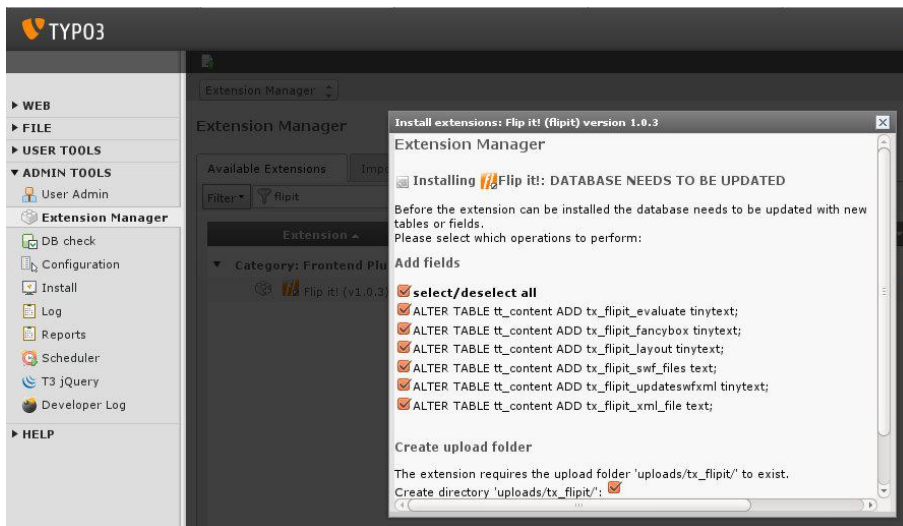


Illustration 5: Flip it! extends the tt_content table with some fields

Check requirements

Check requirements with the [EVALUATOR] within the extension manager.

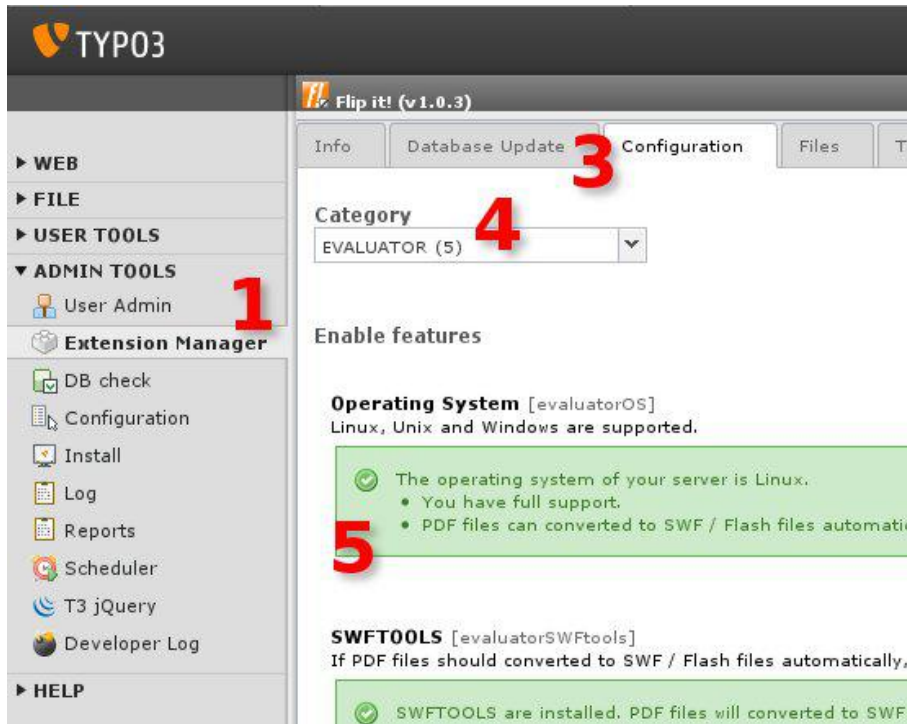


Illustration 6: Flip it! evaluates needed and optional requirements

1. Modul Admin Tools > Extension Manager
2. Edit area Select Flip it! (not illustrated above)
3. Select the tab [Configuration]
4. Select Category [EVALUATOR]
5. The report.

The report

The evaluator checks

- the operating system
- the SWFTOOLS
- and the TYPO3 version

Note for a Windows server and SWFTOOLS

If you have SWFTOOLS installed on a Windows server, you have to maintain the path to the SWFTOOLS.

See

1. Modul Admin Tools > Extension Manager
2. Edit area Select Flip it!
3. Select the tab [Configuration]
4. Select Category [WINDOWS]
5. Field Windows

The path is by default: C:\Program Files (x86)\SWFTools

Add a page, TypoScript template and a content element

Add a page "Flipit" to your page tree.

TypoScript Template

Add to your page "Flipit" a TypoScript template.

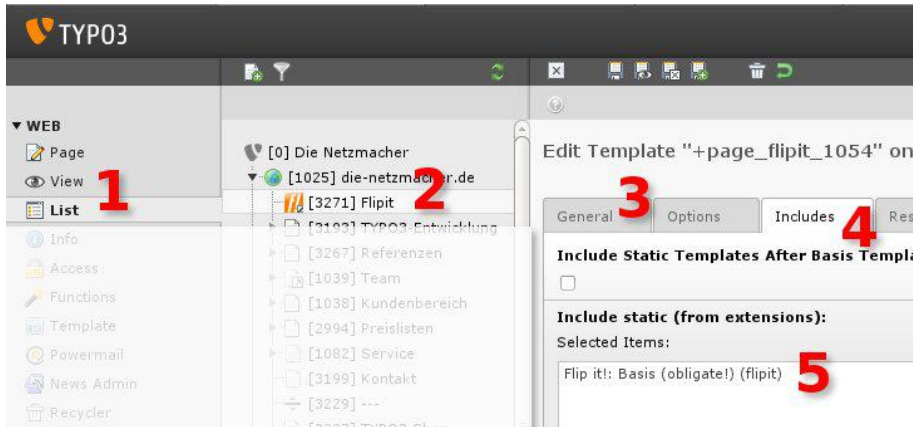


Illustration 7: Page Flip it! with the TypoScript template

Configure the template like in the illustration above.

1. Modul Web > List
2. Page tree Select the page Flipit
3. Edit area Tab [General]
Call your template +page_flipit_id, where the id is the id of the TypoScript¹
4. Tab [Includes]
5. Field "Include static (from extension)": [Flip it!: Basis (obligate!) (flipit)]
6. If TYPO3 below 4.7 is running, include [+Flip it!: Basis for TYPO3 < 4.7 (obligate!) (flipit)]

¹ This syntax isn't obligate, but it simplifies the maintaining of TypoScript in the TypoScript Object Browser in principle.

Content element

Add a content element [File Links]

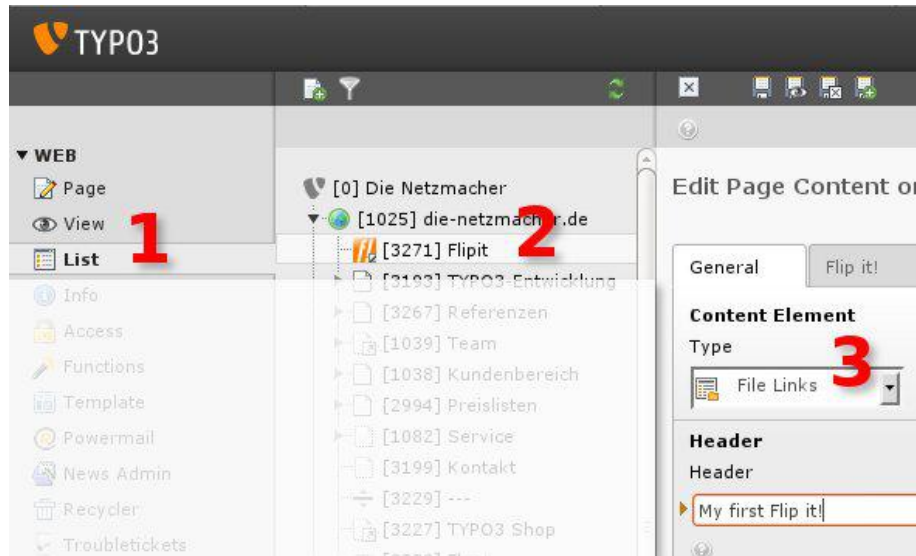


Illustration 8: Page Flip it! with a content element [File Links]

And configure it like in the illustration above.

1. Modul Web > List
2. Page tree Select the page Flipit
3. Edit area Content Element > Type: [File Links]
Header > Header: "My first Flip it!"

Plugin check

Please check the plugin.

1. Edit area Tab [Flip it!]
2. Area / field: Plugin Check

You will get a report like in the illustration on the right hand. If something isn't proper, follow the given instructions.

The plugin checks,

- if the TypoScript template is included
- if TypoScript is proper
- if SWFTOOLS are installed
- which TYPO3 version is running
- if the DRS¹ is enabled

The plugin check offers direct links to:

- the extension manager
- the TypoScript Constant Editor
- the online manual
- the Flip it! forum

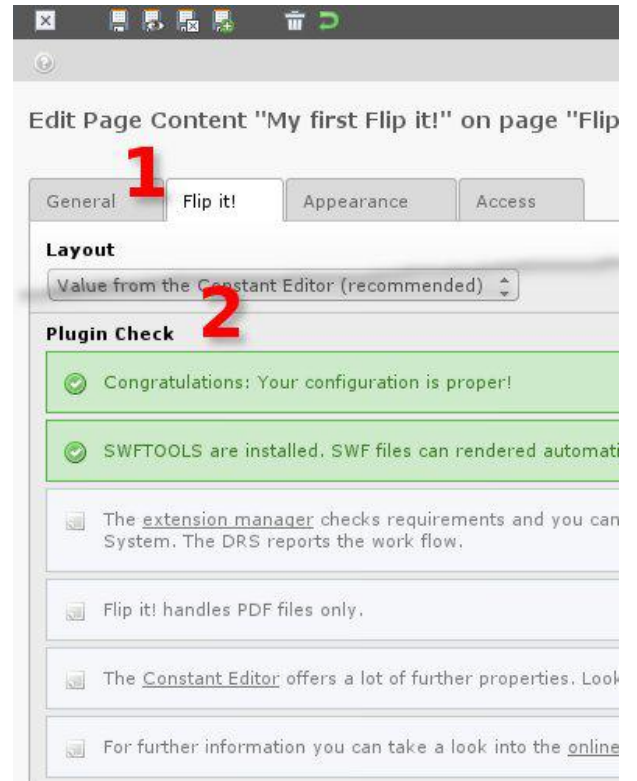


Illustration 9: The tab [Flip it!] checks the requirements

¹ DRS – Development Reporting System (see page 26)

By the way: Page tree ids and icons

Flip it! icon

If you like the Flip it! icon in the page tree, please configure your page Flip it!

1. Modul Web > List
2. Page tree Select the page Flipit
3. Edit area Edit the page properties
4. tab [Appearance]
5. area "Use as Container", field "Contains Plugin": [Flip it!]

Ids and other icons

If you like the page ids within the page tree and some other individual icons, please refer to

- TSconfig Pages and Users by extManager (tsconf)
<http://typo3.org/extension-manuals/tsconf/current/>

Tutorial

Upload a PDF file

Upload a PDF file into your content element [File Links].

If you need a sample file, please take

- http://forge.typo3.org/projects/extension-flipit/repository/changes/trunk/res/sampleddata/sample_flipit.pdf

Upload a PDF file (DIN A/4 portrait is recommended).

- Upload a PDF file.
- Select the tab [Flip it!]
- Enable Flip it! by selecting a layout from [layout_01] to [layout_03]

Sample data

If Flip it! runs without SWFTOOLS, the configuration file and the SWF files must uploaded manually.

How to get the SWF files and the XML file, is explained in "Using the SWFTOOLS offline" on page 38 below.

Flip it! offers sample data. Please upload this files:

PDF

Tab [General] > Files > Select Files

- http://forge.typo3.org/projects/extension-flipit/repository/changes/trunk/res/sampleddata/sample_flipit.pdf

XML

Tab [Flip it!] > Files > XML-configuration-file:

- http://forge.typo3.org/projects/extension-flipit/repository/changes/trunk/res/sampleddata/sample_flipit.xml

SWF

Tab [Flip it!] > Files > Converted SWF files

- http://forge.typo3.org/projects/extension-flipit/repository/changes/trunk/res/sampleddata/sample_flipit_1.swf
- http://forge.typo3.org/projects/extension-flipit/repository/changes/trunk/res/sampleddata/sample_flipit_2.swf
- http://forge.typo3.org/projects/extension-flipit/repository/changes/trunk/res/sampleddata/sample_flipit_3.swf
- http://forge.typo3.org/projects/extension-flipit/repository/changes/trunk/res/sampleddata/sample_flipit_4.swf

Enable Flip it!

Enable Flip it! within your content element [File Links].

Tab [Flip it!] > Layout: from [1: ...] to [3: ...]

Result in the frontend

The result in the frontend should look like in the illustration below:



Illustration 10: Thumbnail

Please click on the thumbnail or the link beside the icon. A fancybox will open and will display the PDF file for flipping.

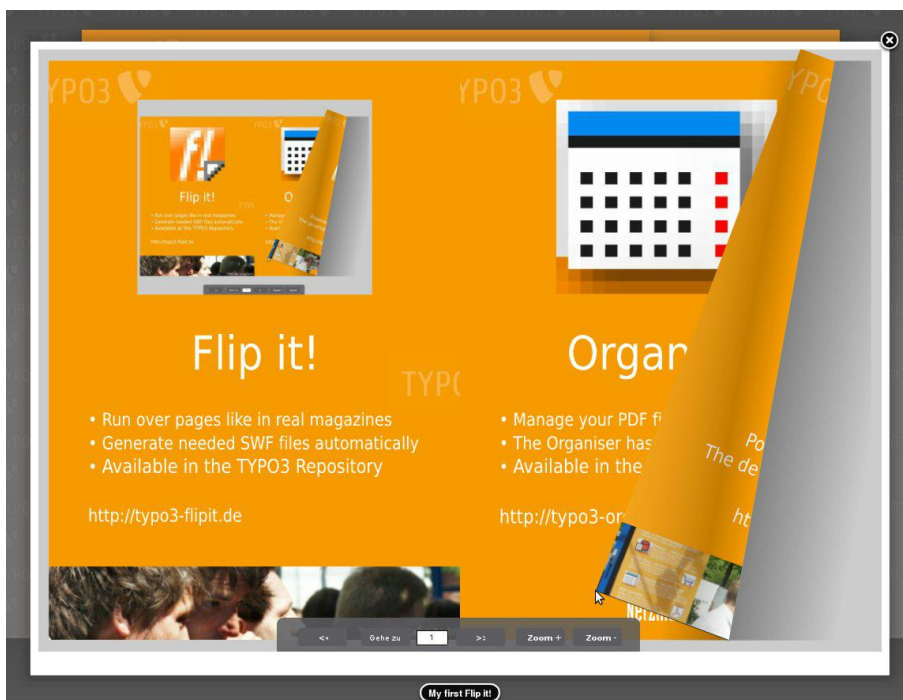


Illustration 11: Flip it! within the fancybox

With download link

You can add a download link like in the illustration below.



Illustration 12: Download link

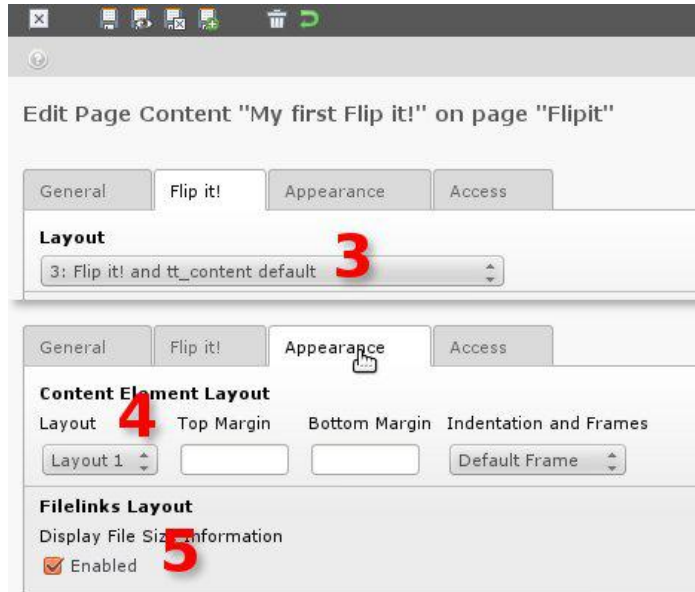


Illustration 13: Layout 3

1. Edit area tab [General] > File Description: My first Flip it! application
2. tab [General] > Titles: Download My first Flip it!
3. tab [Flip it!] > Layout: [3: Flip it! and tt_content default]
4. tab [Appearance] > Layout: [Layout 1]¹
5. tab [Appearance] > Display File Size Information: [X]

¹ Layout 1: with an mime-type icon. Layout 2: with a thumbnail.

Without fancybox

If you don't want a fancybox, please add the TypoScript template [+Flip it!: Fancybox disbaled (flipit)] to your TypoScript like in the illustration below.

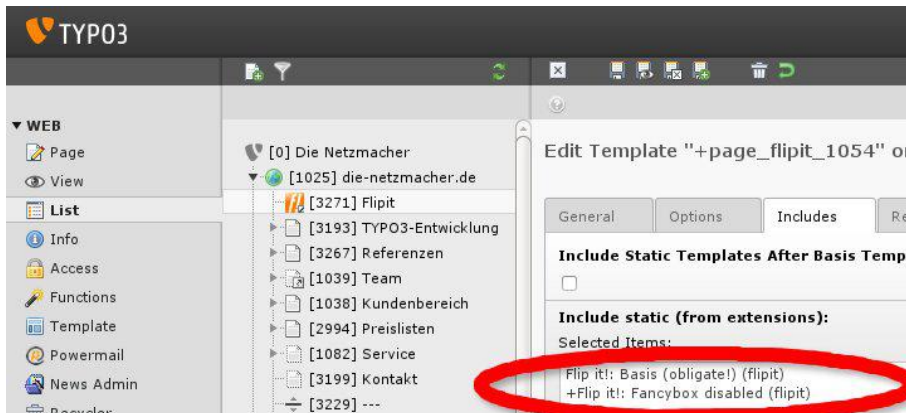


Illustration 14: TypoScript template for a case without a fancybox

Result in the frontend

The result in the frontend should look like in the illustration below.

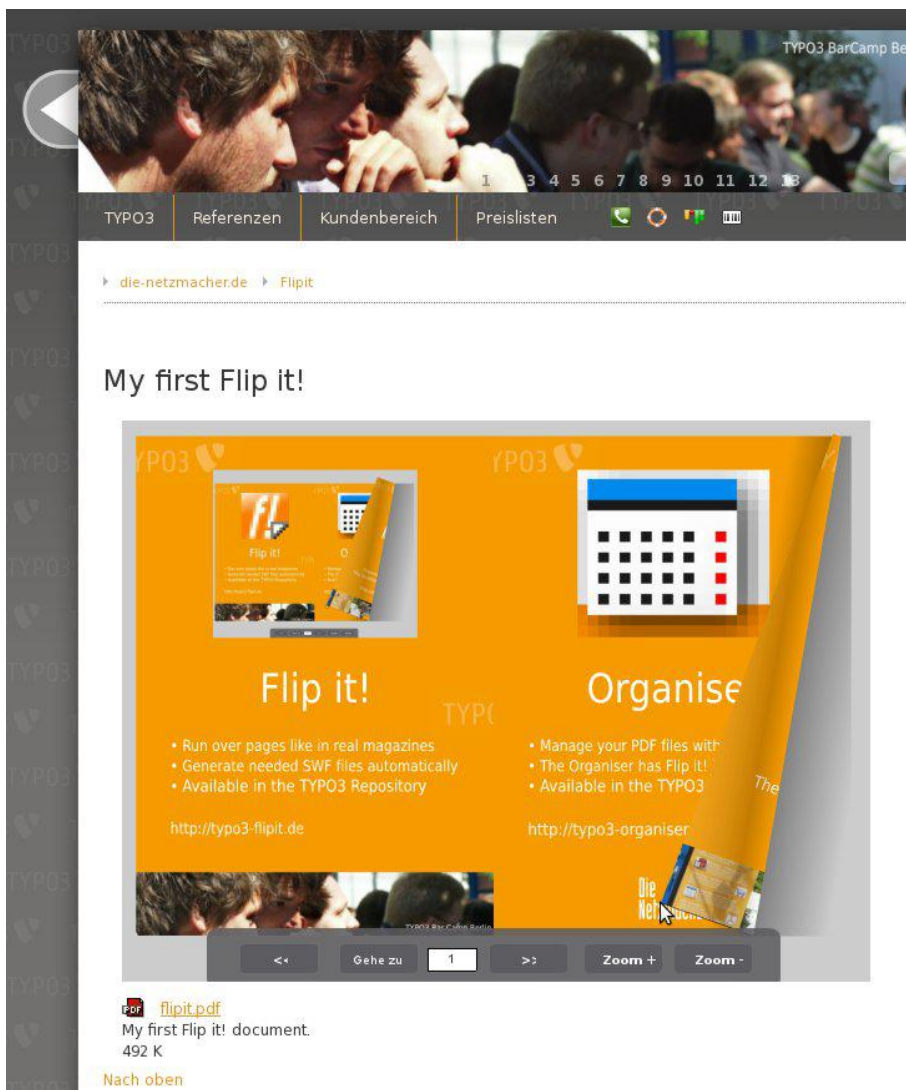


Illustration 15: Flip it! without the fancybox

Width and height

You can control the values for width and height in the Constant Editor. See Category [Flip it! - HTML] Width and Height.

Workflow

With SWFTOOLS

Flip it! does three jobs:

- It extends the content element with several fields for controlling Flip it! and linking to the configuration file (XML) and the Flash files (SWF).
- It renders the XML file and the SWF files while the content element is called in the frontend and stores the rendered files in the directory uploads/tx_flipit.
- It takes care about the needed JavaScript code in the frontend.

Your job is

- enabling Flip it!
- controlling Flip it!

Without SWFTOOLS

If SWFTOOLS aren't installed

- Flip it can't render the XML file and the SWF files.

Then your job is additionally

- to upload the XML file and the SWF files by your own. See "Using the SWFTOOLS offline" on page 38 below.

Controlling

You can control Flip it!

- by the user interface within the plugin (flexform)
- by the user interface of the TypoScript Constant Editor
- by TypoScript directly

Placement of Static Templates

Flip it! change some properties in the TypoScript of tt_content.uploads.20. tt_content.uploads.20 controls the content element [File Links].

Root page

If you place the static templates of Flip it! within the TypoScript template of your root page, the properties of tt_content.uploads.20 are changed website wide.

Advantage

You can control Flip it! (and the content element [File Links]) centrally respectively website wide.

Disadvantage

If the changing of a property of the content element [File Links] causes a problem, you have this problem website wide.

Single page (recommended)

If you place the static templates of Flip it! within the TypoScript template of a single page, the properties of tt_content.uploads.20 is changed for this page and all subpages.

Advantage


If the changing of a property of the content element [File Links] causes a problem, you haven't this problem website wide.

Disadvantage

If you are using Flip it! on another single page too, you have to include the static template twice and you have to configure Flip it! twice.

Plugin / Flexform

Flip it! extends the flexform of the content element "File Link" with the tab [Flip it!].



The screenshot shows the 'Flip it!' configuration tab in the TYPO3 Flexform editor. The interface is divided into several sections, each with a numbered annotation:

- 1. Layout:** A dropdown menu set to 'Value from the Constant Editor (recommended)'.
- 2. Quality and bitmap pages:** A section with a 'Quality' dropdown (set to 'Value from the Constant Editor (recommended)') and a text field for 'Comma separated list of pages, which should rendered as bitmap pages'.
- 3. Files:** A section with a checkbox 'Update SWF files and XML file automatically' (checked) and a dropdown for 'XML-configuration-file' (set to 'tt_content_2119.xml').
- 4. XML:** A text field for 'XML' with a 'Durchsuchen...' (Search) button.
- 5. Converted SWF files:** A list of converted SWF files with a 'Durchsuchen...' button.
- 6. Lightbox:** A section with a 'Fancybox' dropdown (set to 'Value from the Constant Editor (recommended)').
- 7. Plugin Check:** A section showing status messages: 'Congratulations: Your configuration is proper!', 'SWFTOOLS are installed. SWF files can rendered automatically.', and 'You are using TYPO3 4.6. This is perfect!'.

Illustration 16: The tab [Flip it!]

See "Using the SWFTOOLS offline" on page 38 below.

6. **Lightbox:**
You can enable and disable the lightbox.
Be aware: Some other parameters depends on a enabled or disabled lightbox. See "Without fancybox" on page 17 above.
7. **Plugin Check:**
Flip it! checks some properties of your configuration. If something isn't proper, you will get a prompt.

1. **Layout:**
You enable Flip it! by choosing a layout.
If you like a website wide, you don't need to configure the plugin / flexform but the Constant Editor once.
2. **Quality and bitmap pages:**
Flip it converts pages with less performance to bitmap pages automatically. But if Flip it! doesn't detect pages successfully, you can set the quality to bitmap manually. Or you can list each page, which does not rendered as a vector file.
See "Performance" on page 26 below.
3. **Update SWF files and XML file automatically:**
If you update your PDF document (tab [General]), Flip it! will render new SWF files and a new XML file automatically.
But if you like to update your XML configuration or SWF files by your own, you can disable the automatically file update.
Flip it! will update the files automatically only, if SWF tools are installed.
See "Using the SWFTOOLS offline" on page 38 below
4. **XML:**
If you need your own XML configuration, you can upload an own XML file. The upload is needed too, if you don't have installed SWF tools and render your XML file online.
See "Using the SWFTOOLS offline" on page 38 below.
5. **SWF:**
If you need your own SWF files, you can upload your own SWF files. The upload is needed too, if you don't have installed SWF tools and render your SWF files online.

Plugin versus Constant Editor

It is recommended to control Flip it! by the Constant Editor. Because this controls all plugins of the current page and all subpages,

- you will have the minimum costs
- you will have the maximum transparency

Restrictions

The Constant Editor offers round about sixty properties. The plugin offers five properties.

This effects:

- A property in the Constant Editor controls all plugins of the current page and the subpages.
- You can control a minimum of properties by the plugin directly.

This causes configuration restrictions.

For example:

- The first PDF document should get a fancybox.
- The second PDF document should run as Flip it! application directly.

Probably you have to configure the HTML width and height for each content element in a different way. But you can't!

You can solve this problem in this way:

- Place each PDF document on a different page.

XML Configuration File

Code Snippet

```

1. <content
2.   width           = '1184'
3.   height          = '842'
4.   buttoncolor     = '5D5D61'
5.   panelcolor      = '5D5D61'
6.   textcolor       = 'FFFFFF'
7.   backgroundcolor = 'CCCCCC'
8.   hcover          = 'false'
9.   gotolabel       = 'Goto'>
10.  <page src='uploads/tx_flipit/tx_org_downloads_34_doc_1_part_1.swf' />
11.  <page src='uploads/tx_flipit/tx_org_downloads_34_doc_1_part_2.swf' />
12.  ...
13.  <page src='uploads/tx_flipit/tx_org_downloads_34_doc_1_part_19.swf' />
14. </content>

```

Content Parameters

You are controlling the content parameters (in the snippet above from line 2 to 9) by the Constant Editor (see page 33 below) or if it is needed by TypoScript.

See the array

- plugin.tx_flipit.constant_editor.xml

But be aware that you have to configure probably:

- **tt_content.upload.20.itemRendering.layout_XX.userFunc.constant_editor.xml**

where XX is from 01 to 03.

```

plugin.tx_flipit {
    constant_editor {
        xml {
            // Please inspect it with the TypoScript Object Browser
        }
    }
}

```

You can add new parameters to this array.

Example

```

plugin.tx_flipit {
    constant_editor {
        xml {
            myParam1 = Hallo World
            myParam2 = TEXT
            myParam2 {
                value = This is Englisch
                lang {
                    de = Das ist Deutsch
                }
            }
        }
    }
}

```

The XML output will be (if the frontend is in German language)

```

<content
...
myParam1 = 'Hallo World'
myParam2 = 'Das ist Deutsch'
<page src='uploads/tx_flipit/tx_org_downloads_34_doc_1_part_1.swf' />
<page src='uploads/tx_flipit/tx_org_downloads_34_doc_1_part_2.swf' />
...
<page src='uploads/tx_flipit/tx_org_downloads_34_doc_1_part_19.swf' />
</content>

```

Fancybox

Code Snippet

```
<script type="text/javascript">
  $(document).ready(function() {
    $("#c33_flipit_link").fancybox({
      'width' : '100%',
      'height' : '100%',
      'autoDimensions' : false,
      'overlayOpacity' : 0.2,
      'title' : '03 Stark am Markt Branchen-Booklet',
      'transitionIn' : 'elastic',
      'transitionOut' : 'elastic',
      'speedIn' : 1500,
      'showNavArrows' : false
    });
  });
</script>
```

Parameters

You are controlling the content parameters (in the snippet above from line 2 to 9) by the Constant Editor (see page 31 below) or if it is needed by TypoScript.

See the array

- plugin.tx_flipit.constant_editor.fancybox

But be aware that you have to configure probably:

- **tt_content.uploads.20.itemRendering.layout_XX.userFunc.constant_editor.fancybox**

where XX is from 01 to 03.

```
plugin.tx_flipit {
    constant_editor {
        fancybox {
            // Please inspect it with the TypoScript Object Browser
        }
    }
}
```

You can add new parameters to this array.

Example

```
plugin.tx_flipit {
    constant_editor {
        xml {
            myParam1 = Hallo World
            myParam2 = TEXT
            myParam2 {
                value = This is Englisch
                lang {
                    de = Das ist Deutsch
                }
            }
        }
    }
}
```

The JavaScript output will be (if the frontend is in German language)

```
<script type="text/javascript">
  $(document).ready(function() {
    $("#c33_flipit_link").fancybox({
      ...
      'myParam1' = 'Hallo World'
      'myParam2' = 'Das ist Deutsch'
      ...
    });
  });
</script>
```

Cash

Flip it! is running with a file cash only.

The cash is the content of the directory uploads/tx_flipit: the generated or uploaded XML files and SWF files.

Workflow

Flip it! generates or update all needed files while the content element [File Link] is called in the frontend.

A new XML file and new SWF files are generated or removed and updated,

- if there isn't any XML file or any SWF file or
- if the time stamp of the content element [File link] is newer than the oldest XML file or SWF file

Updating

Of one content element only

If you want to update the Flip it! cash of one content element only, please save this element once.

Off all content elements

See "Cleaning up" below.

Protecting

Of one content element only

You can protect the cash of each content element.

Please configure within the flexform of the content element:

- Edit area tab [Flip it!] > Update SWF files and XML file automatically: [no (...)]

Be aware:

This isn't any protection, if you remove all files in the cash directory uploads/tx_flipit.

Cleaning up

If you like to clean up the whole cash, please empty (not remove!) the directory uploads/tx_flipit.

Be aware:

- Any link in the content element to the XML files and the SWF files isn't removed.

But it doesn't matter in principle.

If a content element is called in the frontend, Flip it! realise, that there isn't any XML file and any SWF file and will render new files.

It does matter, if the cash of individually content elements are protected: The XML file and the SWF files are lost, but because of cash protection Flip it! won't render neither a new XML file nor new SWF files.

Possible cause for removing the whole cash

A possible cause for removing the whole cash can be a changing in the corporate design of the website.

- The colours of the Flip it! background and navigation bar should changed website wide
- The size of the HTML area should changed website wide.

jQuery

You can control the Flip it! jQuery here:

- Constant Editor > Category [FLIP IT! - JQUERY]

Library and fancybox by default

Flip it! is including the jQuery library and the fancybox library by default.

Possible conflict

If another jQuery library or another fancybox library is loaded, it can causes conflicts.

Solve conflict

1. Disable Flip it! libraries

Disable the Flip it! jQuery library and the Flip it! fancybox.

Constant Editor

- Constant Editor > Category [FLIP IT! - JQUERY]
- Fancybox: [disabled]
- jQuery: [disabled]

2. Disable the other libraries

If the 1st option doesn't help, please

- disable the foreign jQuery library and the foreign fancybox library and
- enable the Flip it! libraries.

t3jquery

If you are using t3jquery, please compile the jQuery library based on the used JavaScript files of Flip it!

This are the steps:

1. Modul: Admin Tools > T3 jQuery
2. Edit area: [Process & Analyze t3jquery.txt in extensions]
3. [Select all]
4. [Check]
5. [Merge & Use]
6. [Create jQuery Library]

Performance

The SWFTTOOLS supports PDF files in version 1.3.

If you are using PDF files in higher versions and with some properties, you can get problems with the performance:

- All CPU can increase up to 100 per cent!

General solution

The general solution is, to use PDF files in version 1.3.

If you can't convert your PDF file to version 1.3, there is a workaround. See below.

Automatic Workaround

There is an automatic workaround.

Flip it! inspects PDF files for forms, shaded fills or transparency groups. If a page contains some of this properties, the page will rendered as a bitmap.

Manual Workaround

But it seems, that there are other reasons for bad performance or unexpected results. If you have any problem, you can

- render the whole PDF file as a bitmap pages
- or render selected pages as bitmap pages



Illustration 17: Render all PDF pages as bitmap



Illustration 18: Render selected pages as bitmap. Here page 7 and 35

Debugging

If you have any unexpected result, you can inspect Flip it! in the TYPO3 backend with the DRS – the Development Reporting System – and in the TYPO3 frontend with Firebug.

DRS – Development Reporting System

Inspect work-flow and errors

The DRS – Development Reporting System – enables you

- to follow the work-flow of Flip it!,
- to inspect alternate configuration possibilities,
- to inspect improper configuration and
- it prompts warnings and errors

Enabling the DRS

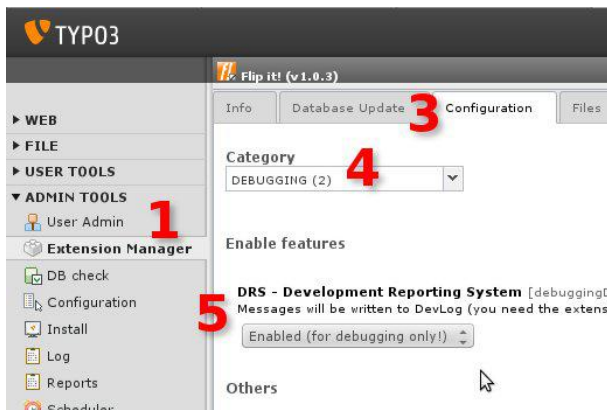


Illustration 19: Enabling the Development Reporting System

1. Module: Admin Tools > Extension Manager
2. Edit Area: Select the Flip it! extension
3. Tab [Configuration]
4. Category: [Debugging]
5. DRS – Development Reporting System: [Enabled]
6. [Update]

The DRS report

Precondition

You need the extension

- Extension Development Evaluator (extdeveval)

Report

The screenshot shows the TYP03 application interface. On the left is a sidebar with a tree view containing categories: WEB, FILE, USER TOOLS, ADMIN TOOLS, and HELP. Under ADMIN TOOLS, 'Developer Log' is highlighted with a red '1'. The main content area is titled 'Developer Log' and contains a 'Select Log' dropdown set to 'latest log run', a 'Refresh' button, and checkboxes for 'Auto refresh' and 'Expand all extra data'. Below this is a section for 'Log entries' with a 'Log period' of '04-02-13 17:13 (0 min)'. A table of log entries follows, with columns for Date, Severity, Extension, and Message. The first entry is highlighted with a red '2'. The log entries show various system messages and data sets.

Date	Severity	Extension	Message
04-02-13 17:13:58	INFO	flipit	[INFO/DRS] The DRS - Development Reporting
04-02-13 17:13:58	INFO	flipit	[INFO/INIT] table is set to tt_content
04-02-13 17:13:58	INFO	flipit	[INFO/INIT] cObj->data are set (overridden).
04-02-13 17:13:58	INFO	flipit	[INFO/INIT] array ('uid' => '2842', 'pid' => '3', 'pages' => NULL, 'starttime' => '0', 'endtime' => '0', 'table_bgColor' => '0', 'select_key' => '', '{s:5:"CType";N;s:6:"colPos";N;s:16:"sys_lang'...
04-02-13 17:13:58	INFO	flipit	[INFO/INIT] current record is: tt_content:2842
04-02-13 17:13:58	INFO	flipit	[INFO/DRS] FLIP it! configuration is taken from
04-02-13 17:13:58	INFO	flipit	[INFO/INIT] Current layout: layout_03
04-02-13 17:13:58	INFO	flipit	[INFO/INIT] OS: linux

Illustration 20: The DRS report enables you to follow the work-flow of Flip it!

- Module: Admin Tools > Development Log
- Edit Area: the report

Firebug

Firebug is a very helpful tool, if you want to inspect JavaScript (jQuery) errors.

You need

- the Firefox browser
- the plugin Firebug

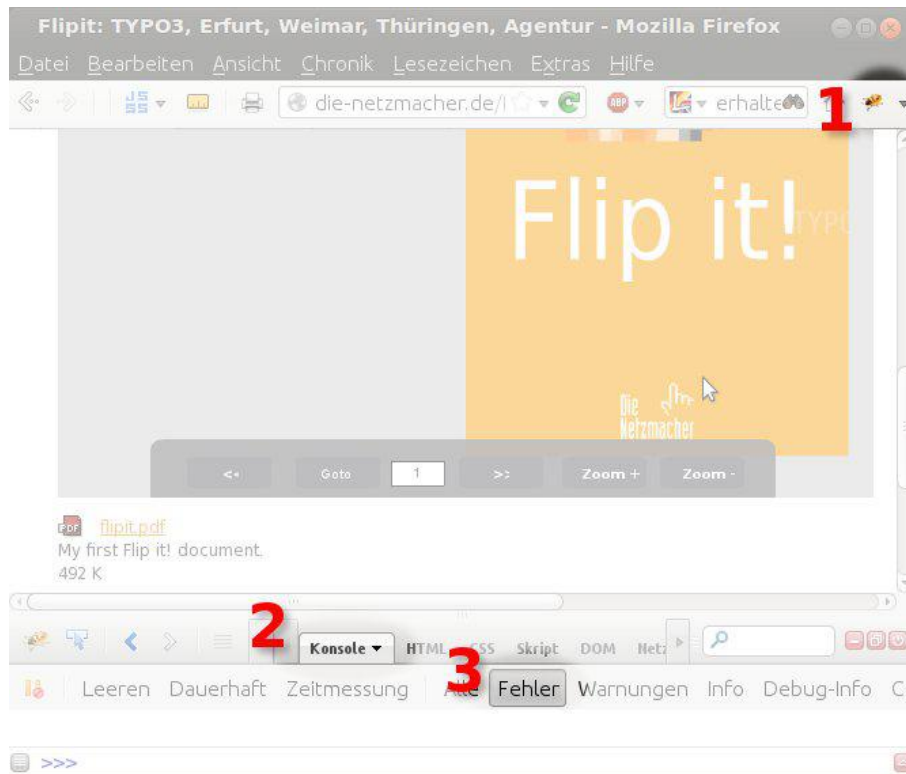


Illustration 21: In case of JavaScript errors, Firebug will prompt it

1. Enable Firebug
2. tab [Console]
3. tab [Errors]
4. Reload the page

Reference

It is recommended to configure Flip it! by the Constant Editor and not by the TypoScript Object Browser directly.

Constant Editor

All properties have the prefix `plugin.tx_flipit.`

Example: `configuration.layout` is `plugin.tx_flipit.configuration.layout`.

CONFIGURATION

Property:	Data type:	Description:
<code>configuration.layout</code>	string	<ul style="list-style-type: none"> layout_00: tt_content default (without Flip it!) layout_01: Flip it! only layout_02: Flip it! and tt_content default but download link layout_03: Flip it! and tt_content default.
<code>configuration.quality</code>	string	<ul style="list-style-type: none"> high low <p>Quality: high: vector file (best quality). low: bitmap file (best performance)</p>
<code>configuration.dpi</code>	integer	<ul style="list-style-type: none"> 144 (by default) <p>DPI: dots per inch. Has an effect for bitmaps only.</p>
<code>configuration.enableFancybox</code>	string	<ul style="list-style-type: none"> disabled enabled <p>Disable it, if you don't want to use Flip it! in a fancybox by default.</p>
<code>configuration.updateswfxml</code>	string	<ul style="list-style-type: none"> disabled enabled <p>Update SWF files and XML file automatically. If enabled and if SWFTOOLS are installed, Flip it! will render SWF files and XML file automatically. This is recommended.</p>
<code>configuration.filetypes</code>	string	<ul style="list-style-type: none"> jpg pdf png <p>Comma separated list of file types for SWF conversion. Without any effect in the current version.</p>

DATABASE

If Flip it! is integrated in another extension, you have to map some fields.

If you are interested in how to integrate Flip it!, please refer to "Integrate Flip it! in your extension!" on page 40 below.

Property:	Data type:	Description:
<code>database.field.title</code>	string	Label of the field, which contains the title. Examples: header, tx_org_downloads.title
<code>database.field.media</code>	string	Label of the field, which contains the files for converting to SWF / Flash. Examples: media, tx_org_downloads.documents
<code>database.field.layout</code>		Label of the field, which contains the number of the selected layout. Examples: layout, tx_org_downloads.documentslayout
<code>database.field.filelink_size</code>		Label of the field, which enables the displaying of the file size. Examples: filelink_size, tx_org_downloads.documentssize

FANCYBOX

You can extend the fancybox properties by TypoScript. See 'Fancybox' on page 23 above.

Property:	Data type:	Description:
fancybox.padding	integer	Space between FancyBox wrapper and content
fancybox.margin	integer	Space between viewport and FancyBox wrapper
fancybox.opacity	string	<ul style="list-style-type: none"> true false <p>When true, transparency of content is changed for elastic transitions</p>
fancybox.modal	string	<ul style="list-style-type: none"> true false <p>When true, 'overlayShow' is set to 'true' and 'hideOnOverlayClick', 'hideOnContentClick', 'enableEscapeButton', 'showCloseButton' are set to 'false'</p>
fancybox.cyclic	string	<ul style="list-style-type: none"> true false <p>When true, galleries will be cyclic, allowing you to keep pressing next/back.</p>
fancybox.scrolling	string	<ul style="list-style-type: none"> auto yes no <p>Set the overflow CSS property to create or hide scrollbars.</p>
fancybox.width	string	Width for content types 'iframe' and 'swf'. Also set for inline content if 'autoDimensions' is set to 'false'
fancybox.height	string	Height for content types 'iframe' and 'swf'. Also set for inline content if 'autoDimensions' is set to 'false'
fancybox.autoScale	string	<ul style="list-style-type: none"> true false <p>If true, FancyBox is scaled to fit in viewport</p>
fancybox.autoDimensions	string	<ul style="list-style-type: none"> true false <p>For inline and ajax views, resizes the view to the element receives. Make sure it has dimensions otherwise this will give unexpected results</p>
fancybox.centerOnScroll	string	<ul style="list-style-type: none"> true false <p>When true, FancyBox is centered while scrolling page</p>
fancybox.hideOnOverlayClick	string	<ul style="list-style-type: none"> true false <p>Toggle if clicking the overlay should close FancyBox</p>
fancybox.hideOnContentClick	string	<ul style="list-style-type: none"> true false <p>Toggle if clicking the content should close FancyBox</p>
fancybox.overlayShow	string	<ul style="list-style-type: none"> true false <p>Toggle overlay</p>
fancybox.overlayOpacity	double	Opacity of the overlay (from 0 to 1. default: 0.3)
fancybox.overlayColor	string	Color of the overlay. Example: #666
fancybox.title	string	Forces title. Take a field of the current record.
fancybox.titleShow	string	<ul style="list-style-type: none"> true false <p>Toggle title</p>

Property:	Data type:	Description:
fancybox.titlePosition	string	<ul style="list-style-type: none"> • outside • inside • over <p>The position of title</p>
fancybox.transitionIn	string	<ul style="list-style-type: none"> • elastic • fade • none <p>The transition type</p>
fancybox.transitionOut	string	<ul style="list-style-type: none"> • elastic • fade • none <p>The transition type</p>
fancybox.speedIn	integer	Speed of the fade and elastic transitions, in milliseconds
fancybox.speedOut	integer	Speed of the fade and elastic transitions, in milliseconds
fancybox.showCloseButton	string	<ul style="list-style-type: none"> • true • false <p>Toggle close button</p>
fancybox.showNavArrows	string	<ul style="list-style-type: none"> • true • false <p>Toggle navigation arrows</p>
fancybox.enableEscapeButton	string	<ul style="list-style-type: none"> • true • false <p>Toggle if pressing Esc button closes FancyBox</p>
fancybox.type	string	<ul style="list-style-type: none"> • image • ajax • iframe • swf • inline <p>Forces content type</p>

HTML

Property:	Data type:	Description:
html.height	string	Height with em, per cent or pixel
html.width	string	Width with em, per cent or pixel
html.color.background	string	Background colour

JQUERY

Property:	Data type:	Description:
jquery.fancybox	string	<ul style="list-style-type: none"> • enabled • disabled <p>Include the jQuery fancybox library (1.3.4) and CSS provided by Flip it! If you are using another fancybox library and CSS, please set this option to "disabled"</p>
jquery.fancyboxPosition	string	<ul style="list-style-type: none"> • top • bottom <p>Place the jQuery fancybox library at the top of the page (HTML head) or at the bottom</p>
jquery.fancyboxLibrary	string	Path to the fancybox library
jquery.fancyboxCSS	string	Path to the fancybox CSS

Property:	Data type:	Description:
jquery.source	string	<ul style="list-style-type: none"> enabled disabled <p>Use the jQuery library (1.4.3) provided by Flip it! If you are using another jQuery library, please set this option to "disabled"</p>
jquery.sourcePosition	string	<ul style="list-style-type: none"> top bottom <p>Place the jQuery library at the top of the page (HTML head) or at the bottom</p>
jquery.sourceLibrary	string	Path to the jQuery library

THUMBNAILS

Property:	Data type:	Description:
thumbnails.download.height	integer	height of the thumbnail, which is linked with the file for download
thumbnails.download.width	integer	width of the thumbnail, which is linked with the file for download
thumbnails.fancybox.height	integer	height of the thumbnail, which is linked with the fancybox
thumbnails.fancybox.width	integer	height of the thumbnail, which is linked with the fancybox
thumbnails.flipit.height	integer	height of the icon at the right bottom corner of the Flip it! thumbnail
thumbnails.flipit.width	integer	width of the icon at the right bottom corner of the Flip it! thumbnail
thumbnails.flipit.icon	string	The path to the Flip it! icon. The Flip it! icon is placed at the right bottom corner of a thumbnail.

XML

You can extend the XML properties by TypoScript. See 'XML Configuration File' on page 22 above.

Property:	Data type:	Description:
xml.width	integer	Width in points (if autodetection failes)
xml.height	integer	Height in points (if autodetection failes)
xml.buttoncolor	string	Colour of buttons
xml.panelcolor	string	Colour of the panel
xml.textcolor	string	Colour of the font
xml.backgroundColor	string	Colour of the background
xml.hcover	string	Hardcover: If set to true, fist and last page are hard covered.
xml.gotolabel.default	string	Goto label: default language (English)
xml.gotolabel.de	string	Goto label: German language

Setup

It is recommended to configure Flip it! by the Constant Editor and not by the TypeScript Object Browser directly.

All properties have the prefix plugin.tx_flipit.

Example: constant_editor.configuration is plugin.tx_flipit.constant_editor.configuration

tx_flipit

Be aware: Changes in the configuration array of plugin.tx_flipit may have not any effect, if configuration was copied before to tt_content.uploads.20.itemRendering. **It is recommended to configure tt_content.uploads.20.itemRendering directly.**

Property:	Data type:	Description:
constant_editor	array	<p>Configuration taken from the constant editor.</p> <p>Example:</p> <pre> plugin.tx_flipit { // Configuration by the Constant Editor (extended) constant_editor { // Category configuration configuration { // Please inspect it with the TypeScript Object Browser } // Category database database { // Please inspect it with the TypeScript Object Browser } // Category fancybox fancybox { // Please inspect it with the TypeScript Object Browser } // Category html html { // Please inspect it with the TypeScript Object Browser } // Category jquery jquery { // Please inspect it with the TypeScript Object Browser } // Category xml xml { // See 'XML Configuration File' on page 22 above } } } </pre>
master_templates	array	<p>Sorry, no comment.</p> <p>Example:</p> <pre> plugin.tx_flipit { // For tt_content.uploads master_templates { // Javascript, A tag and DIV "display:none" for the fancybox. fancybox { // Please inspect it with the TypeScript Object Browser } // The swf code of Flip it! flipitSwf { // Please inspect it with the TypeScript Object Browser } // Please copy to tt_content.uploads.20.itemRendering layout { // Please inspect it with the TypeScript Object Browser } } } </pre>

tt_content.uploads.20.itemRendering

If you like to change TypoScript properties, please inspect tt_content.uploads.20.itemRendering by the TypoScript Object Browser directly.

Property:	Data type:	Description:
itemRendering	array	<p>Global and local</p> <p>Example:</p> <pre>tt_content.uploads { 20 { itemRendering < plugin.tx_flipit.master_templates.layout } }</pre>

What's new

Version 2

Localised XML-file

[1.2.0]

Localise Flip it! XML-configuration-file with timestamp.

Flip it! versions below 1.2.0 doesn't support localisation, you can't used Flip it! in localised context.

TYPO3 6.1

[2.0.0]

Flip it! runs in TYPO3 6.1.

BEWARE! Fancybox doesn't work in TYPO3 6.1 proper. This bug isn't solved!

SWFTOOLS

SWFTOOLS itself aren't a TYPO3 extension. It is a software package depending on the operating system of your server.

It is easy to install the SWFTOOLS, but you need root access on your server.

Supported operating systems are Linux and Windows.

Installation supported by the TYPO3 repository

To avoid that you must browse the internet for the software package, we offers the software within two TYPO3 extensions.

Linux

If you have a Linux server, please refer to the installation manual at

- <http://typo3.org/extension-manuals/swftools4linux/current/>

If you want download the extension, please use your extension manager or visit

- <http://typo3.org/extensions/repository/view/swftools4linux/>

Windows

If you have a Linux server, please refer to the installation manual at

- <http://typo3.org/extension-manuals/swftools4windows/current/>

If you want download the extension, please use your extension manager or visit

- <http://typo3.org/extensions/repository/view/swftools4windows/>

Using the SWFTOOLS offline

You can install the SWFTOOLS on your workstation (Linux and Windows). The local installation enables you, to convert a PDF document to SWF files offline.

The offline installation makes sense, if you can't install the SWFTOOLS online but you need to convert PDF to SWF.

Installation

You have the same workflow like with the installation online. See

- What's new on page 36 above.

Converting with Linux

You convert a PDF file to SWF files by a command in the console.

Example code:

```
pdf2swf --set zoom=144 /pathToYourFile/my_file.pdf /pathToYourFile/my_file_%_1304131327.swf
```

You will receive files like

- my_file_1_1304131327.swf
- my_file_2_1304131327.swf
- ...
- my_file_x_1304131327.swf

Converting with Windows

Start SWFTOOLS

Start the SWFTOOLS:

- by click on the SWFTOOLS icon on your desktop or in your start menu or
- by clicking C:\Program Files (x86)\SWFTools\gpdf2swf.exe

Configure Properties

- File > Save SWF > [X] One Page Per File
- Edit > Options
 - [Quality] > Quality > Resolution (in dpi): 144
 - [Viewer] > [X] No Viewer

Open the PDF file

- File > Open PDF

Convert to SWF

- File > Save SWF > All Pages
- Use a unique filename like
 - syntax: my_file_yymmddhhmm.ext
 - example: my_file_1304131327.swf
- You will receive files like
 - my_file_1304131327.01.swf
 - my_file_1304131327.02.swf
 - ...
 - my_file_1304131327.xx.swf

Create the XML file

Draft

```
<content
  width      = '592'
  height     = '842'
  buttoncolor = '5D5D61'
  panelcolor  = '5D5D61'
  textcolor   = 'FFFFFF'
  backgroundcolor = 'CCCCCC'
  hcover      = 'false'
  gotolabel   = 'Go to'>
  <page src='uploads/tx_flipit/my_file_1.swf' />
  <page src='uploads/tx_flipit/my_file_2.swf' />
  ...
  <page src='uploads/tx_flipit/my_file_x.swf' />
</content>
```

Adapting

Paper Size

- The unit for width and height is point.
- DIN A/4 portrait is used in the example above.
 - 210 mm are 592 points
 - 297 mm are 842 points

Label for Go to

- Please use a localised label for the go to button.

SWF files

- Please maintain the page items.
- You have to replace the file name only.
- Example for Linux with the files from the example above:
 - my_file_1.swf -> my_file_1_1304131327.swf
 - my_file_2.swf -> my_file_2_1304131327.swf
 - A page item will be


```
<page src='uploads/tx_flipit/my_file_1_1304131327.swf' />
```
- Example for Windows with the files from the example above:
 - my_file_1.swf -> my_file_1304131327.01.swf
 - my_file_2.swf -> my_file_1304131327.02.swf
 - ...
 - A page item will be


```
<page src='uploads/tx_flipit/my_file_1304131327.01.swf' />
```

Upload the XML file and the SWF files

XML

Tab [Flip it!] > Files > XML-configuration-file

SWF

Tab [Flip it!] > Files > Converted SWF files

Development

Integrate Flip it! in your extension!

Sorry, this isn't documented yet.

If you need an example, please inspect the Organiser (org). This extension has Flip it! integrated. Look for tx_flipit_.

The Flash source code

If you like to develop Flash, you will receive the editable Flash code of the page flipping engine here:

- <http://typo3.org/extensions/repository/view/flipitres/>

The extension contains the page flip version 2.1.3.

Sorry, that this code isn't the code of the used book.swf file. We tried to get the book fla file, but without any success.

book.swf is based on the page flip code. The difference seems to be, that the page flip code doesn't contain a navigation bar.

Credits

State Development Corporation of Thuringia

Thanks to the German State Development Corporation of Thuringia (Landesentwicklungsgesellschaft Thüringen).

It has contracted the initial release and the most features of Flip it!

<http://www.leg-thueringen.de/>

Janis Skarnelis

Thanks Janis Skarnelis who has built the fancybox. See <http://fancybox.net/>

Rainer Böhme, De Clarke, Matthias Kramm

Thanks to Rainer Böhme, De Clarke and Matthias Kramm (Maintainer) for developing and maintaining the SWFTOOLS.

See <http://www.swftools.org/>

Macc at IpariGrafika and Steve Palmer

Thanks to Macc at IpariGrafika and Steve Palmer for developing the page flipping engine.

See

- <http://www.iparigrafika.hu/pageflip>
- steve@76design.com

codebox – webcoders in a box

Thanks to the Spanish agency "codebox – webcoders in a box" <http://www.codebox.es>

- They offer the book.swf file with a navigation bar.

Packages for Sponsors

Your donation and sponsoring is welcome.

Please order a package for sponsors at

- English: <http://typo3-flipit.de/en/sponsoring/>
- German: <http://typo3-flipit.de/sponsoring/>



Fun – 50 EUR



You like to treat the TYPO3 Flip it! project.

You don't expect any equivalent. No logo. No service.

Throw 50 EUR or any other old sum into the cash box.

You will get a receive. You can set the amount off against tax liability.

Logo – 150 EUR



You are treating the TYPO3 Flip it! project and you like to be a guide for others.

Your logo will appear in the manual, at the website and in the extension manager of the Flip it! – TYPO3 without PHP.

The period of validity is limited to one year.

You will get a receive. You can set the amount off against tax liability.

You can pay more than 150 EUR.

Patron – 500 EUR



You are the patron. You are treating TYPO3 Flip it! project and you like to pay the developer more than best for two hours service.

Your logo will appear in the manual, at the website and in the extension manager of Flip it!

You can book the developer of Flip it! for two hours.

The period of validity for both – the logo and the two hours – is limited to one year. If you don't use the two hours in this period, you will lost it.

You will get a receive. You can set the amount off against tax liability.

You can pay more than 500 EUR.

FAQ

Is all open source?

Nearby.

book.swf isn't open source

Nearby means: Flip it! is based on Flash. Flip it! is using book.swf. book.swf enables all catalogue features.

book.swf is delivered by codebox¹. codebox delivers book.swf only, so Flip it! doesn't contain the editable book fla.

It isn't possible to edit book.swf and it isn't possible to develop the used catalogue software. But it is possible to develop the used page flipping engine. See "The Flash source code" on page 40 above.

Why fancybox and not fancyBox 2?

fancybox

The fancybox is licensed under both MIT and GPL licenses. You may use it without any restriction nearby.

fancyBox 2

The fancybox 2 is licensed under the Creative Commons Attribution-NonCommercial 3.0 license. You are free to use the fancyBox 2 for

- your personal or
- non-profit website projects.

For a commercial use you have to pay a fee. See <http://sites.fastspring.com/fancyapps/product/store>

If you like, you can use Flip it! with the fancyBox 2 too. But it would be your job, to include the library.

¹ <http://www.codebox.es/>

Further Information

Other extensions published by Die Netzmacher

-  autositemap: A smart site-map optimised for the footer. It groups menus in columns. Great menus will get two columns. Configuration is based on TypoScript HMENU.
<http://typo3.org/extensions/repository/view/autositemap/>
-  Browser – TYPO3 without PHP. Develop your TYPO3 extension 8 times faster! You need 1 line TypoScript for a result list with a search form, a record browser and an index browser. Images are wrapped self-acting. SEO, Search Engine Optimization, is integrated. <http://typo3.org/extensions/repository/view/browser/>
-  Caddy is your shopping cart. You can use it for your own needs. You need a database with products or any other items and the extension powermail. You can install Caddy with one mouse click.
<http://typo3.org/extensions/repository/view/caddy/>
-  Flip it! offers lovely and smooth page flip transitions. It enables you to run over pages in PDF documents like in a real magazine. It is based on flash. Flipit! can convert PDF documents to swf files automatically.²
<http://typo3.org/extensions/repository/view/flipit/>
-  Green Cars (Grüne Autos) - Database optimized for ecological cars. It is a case study and demonstrates, how to get a complex database with the browser (see above) in three hours only.
http://typo3.org/extensions/repository/view/green_cars/
-  Jobmarket is a catalogue with job offers. Views, the a-z-browser, the page-browser, the search, social bookmarks and a lot of other stuff can configured by the Browser plugin with the mouse. Job Market hasn't any PHP code, it should be easy to adapt it to your needs.
http://typo3.org/extensions/repository/view/job_market/
-  Majordomo: For subscribing to and unsubscribing from a majordomo mailing list.
<http://typo3.org/extensions/repository/view/majordomo/>
-  Organiser provides a lot of features for handle news, events, staff, headquarters, locations, repertoire, workshops and a calendar. Sell your online tickets! Available from April of 2011
<http://typo3-organiser.de/>
-  Quick Shop (extkey: quick_shop): The fastest shop in the history of TYPO3. Install it with one mouse click only! Quick Shop is based on the browser (see above) and powermail.
<http://typo3-quick-shop.de/>
-  PDF Controller: Easy to install. Add to your HTML page the PDF-controller-button. Link from the button to the controller. Adjust the controller by mouseclicks. The PDF Controller supports CSS 3.
<http://typo3-pdfcontroller.de/>
-  seo_dynamic_tag: Search Engine Optimisation. You can generate values dynamically with this extension especially for the <title>-tag, for the <meta>-tag description and the <meta>-tag keywords.
http://typo3.org/extensions/repository/view/seo_dynamic_tag/
-  TSconfig Pages and Users by extManager (extkey: tsconf): Configure the the eight most commonly used TSconfig properties with the mouse - like page tree uids, activated extended view, activated clipboard, ...
<http://typo3.org/extensions/repository/view/tsconf/>
-  tt_news select configuration (extkey: ttnews_selectconf) enables to select tt_news by any SQL clause. The extension adds an andWhere clause to the SQL query of the tt_news plugin.
http://typo3.org/extensions/repository/view/ttnews_selectconf/
-  Wine Catalogue provides a data base for wine with regions, wineries, styles, variety and ageing among others. It is localized. English, German and Spanish ist of the box. Wine based on the extension browser (see above).
<http://typo3.org/extensions/repository/view/wine/>

² We purpose to publish Flip it! in the TYPO3 repository in April of 2013

Known Bugs

Delayed pages

Sometimes pages will displayed delayed. If you are waiting from one to three seconds, the pages will displayed and everything is proper.

It seems, that the delaying effect is caused by the performance of visitors computer and has nothing to do with the performance of the server.

Fancyboy: unproper in TYPO3 6.1

Fancybox seem's to be buggy in TYPO3 6.1. You can use Flip it! without the fancybox too.

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Change Log

- 2.0.0 **Feature**
 - * #51909: Upgrade for TYPO3 6.1
 - * Bug: Fancybox doesn't work. This bug isn't solved!
- 1.2.0 **Feature**
 - * #46991: Localise Flip it! XML-configuration-file with timestamp
- 1.1.2 **Update Manual**
 - * #i0012: New section "Using the SWFTTOOLS offline"
codebox.es stopped the online service for converting PDF to SWF
- 1.1.1 **Update Manual**
 - * #i0011: New section packages for sponsors
- 1.1.0 **Publishing**
 - * #i0010: Finishing the manual
Publishing in the TYPO3 TER
- 1.0.10 **Features**
 - * #45763: File names with timestamp
 - * #45712: Handle PDF > 1.3
Pages with shaded fills only should rendered as bitmap
- 1.0.9 **Feature**
 - * #45712: Handle PDF > 1.3
Pages with forms, shaded fills or transparency groups should rendered as bitmap
- 1.0.8 **Feature**
 - * #45471: Property: Rendering a PDF as a bitmap
- 1.0.7 **Bugfix**
 - * #45470: SWF files had wrong order in case of a Windows server
- 1.0.6 **Bugfix**
 - * #i0009: TYPO3 < 4.7
- 1.0.5 **Feature**
 - * #i0008: Wrap cObjData fields**Bugfix**
 - * #i0007: Don't take field labels from Constant Editot in case of tt_content
- 1.0.4 **Features**
 - * #45174: Debugtrail for the DRS
 - * #45170: Autodetection of the size of the biggest SWF file
 - * #i0006: Manual is updated
- 1.0.3 **Manual**
 - * #i0003: Initial release of the manual
- 1.0.2 **Feature**
 - * #i0002: Include static template for "without fancybox"**Improvements**
 - * #i0001: Don't offer an include static template for TYPO3 < 4.7
- 1.0.1 **Improvement**
 - * #i0005: Porperty enabled is removed**Features**
 - * #i0004: Flexform got property "Plugin check"
 - * #i0003: Palettes for the flexform
- 1.0.0 **Feature**
 - * #44896: Interface for third party extensions**Improvement**
 - * #44395: AJAX page object for fancybox is removed
- 0.0.5 **Bugfix**
 - * #i0002: includeLibs.tx_browser_cssstyledcontent -> includeLibs.tx_flipit_cssstyledcontent

- 0.0.4 **Improvement**
 - * #i0001: Windows-Server
- 0.0.3 **Development**
 - * #44395: AJAX page object for fancybox
- 0.0.1: **Initial release**