

## PDF Controller 3

Offer a TYPO3 page for PDF download. Individual layout with background PDF file. Extra first page is possible. PDF Controller supports TYPO3 sessions and can be used on restricted pages. The PDF Controller can handle responsive backend layouts and responsive grid elements - ready-for-use together with TYPO3 Start. The PDF engine is TCPDF.



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Language: en

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# Screen shots

## Frontend



Illustration 1: PDF Controller 3: Responsive TYPO3 to PDF

## Live

- HTML: <http://die-netzmacher.de/>
- PDF: <http://die-netzmacher.de/?type=67425>



Illustration 2: Example for more than one page: first page can be designed differently.


## Live

- HTML: <http://die-exen.de/spieler/annika-pilst/>
- PDF: <http://die-exen.de/spieler/annika-pilst/?type=67425>


## Backend

Edit Page Content "[PDF Controller User Interface]" on page "PDF Controller"

General
Plugin
Appearance
Access
Categories

**Selected Plugin**  
 PDF Controller: User Interface

**Plugin Options**  
Check!
Template
First page
Fonts
Tags
Images
Debugging

Check: for [FE][lode.HashKeyWords]  
 [FE][lode.HashKeyWords] is empty. The PDF Controller should run proper.


Check: for [FE][lode.IP]  
 [FE][lode.IP] is 0. The PDF Controller should run proper.

Illustration 3: PDF Controller 3 flexform

# Introduction

## What does it do?

- The PDF Controller 3 converts HTML to PDF.
- The PDF Controller manages frontend user sessions.  
You can use the PDF Controller on pages which are restricted for frontend users.
- The PDF Controller 3 has both plugins
  - a user interface and
  - a button
- The button enables a quick start.
- The PDF engine is TCPDF for TYPO3 (t3\_tcpdf)
- The extension PDF Controller 3 Additional Fonts (pdfcontroller\_fonts) extends the default fonts of the PDF Controller 3.
- You can extend the PDF Controller respectively TCPDF with your own fonts.
- The PDF Controller 3 has support for some other extensions:
  - The PDF Controller 3 handles backend layouts and grid elements ready-for-use, if you are using Start – the Starter Kit for a responsive TYPO3.<sup>1</sup>
  - Organiser<sup>2</sup> news are ready-for-use.

## Restrictions and Incapacities

- The CSS compatibility is on a poor level. It is similar like CSS for HTML in e-mails (newsletters).
- The PDF Controller respectively TCPDF seems not to be able to care of a proper pagebreak in tables, if the content of a row hasn't enough space on the current page and content is mixed with text and images. Maybe there are some more incapacities.
- The PDF Controller hasn't a ready-for-use TypoScript for TYPO3 file elements.
- The PDF Controller isn't compatible with the former PDF Controller upto version 2.x.
- The PDF Controller should run in TYPO3 7.x. But this isn't tested!

## Play with it!

Play with the PDF Controller at

- <http://die-exen.de>
- <http://die-netzmacher.de>

## Manual as PDF file

You find this manual as PDF file at

- [doc/manual.pdf](#)
- <http://typo3-pdfcontroller.de/typo3conf/ext/pdfcontroller/doc/manual.pdf>

## Website

The PDF Controller 3 has a website. Please visit

- <http://typo3-pdfcontroller.de/>

## Forum

The PDF Controller 3 has a forum (see Forum on page 39 below).

<sup>1</sup> You need Start from version 2.0.2. Currently it is a developer version only. Therefore it isn't available in the TYPO3 repository but in the SVN repository. <https://forge.typo3.org/projects/extension-start/wiki>. I try to publish Start 2.0.2 in the TER soon.

<sup>2</sup> Organiser – TYPO3 for the Lobby and the Organisers: <http://typo3-organiser.de>

# Installation

- Install the extensions
  - TCPDF for TYPO3 (t3\_tcpdf)
  - PDF Controller 3 (pdfcontroller)
  - PDF Controller 3 Additional Fonts (pdfcontroller\_fonts)
- Include the static TypoScript templates into the static template of your root page:
  - PDF Controller [1] (pdfcontroller)<sup>1</sup>
  - PDF Controller [1.1] +tt\_content optimising (pdfcontroller)<sup>2</sup>
  - ...
  - PDF Controller [2] Ext: Slick (pdfcontroller)<sup>3</sup>
  - PDF Controller [2] Ext: Start (pdfcontroller)<sup>4,5</sup>
  - PDF Controller [2.1] Ext: Start Gridelements (pdfcontroller)<sup>6</sup>
- Create in your library folder (or everywhere) the page (not a folder!):
  - PDF Controller
- Add to the page PDF Controller the plugin PDF Controller User Interface. Check the first tab [Check!]. See details at section "Requirements" on page 8 below.
- Add the plugin PDF Controller Button to the page, which should be downloadable as a PDF document.
- Configure the plugin PDF Controller Button by the TypoScript Constant Editor. See CONSTANT EDITOR categories
  - [PDF CONTROLLER - PAGES USER INTERFACE]
  - [PDF CONTROLLER - URL]

That's all.

Test the PDF Controller 3: Click the PDF Controller button in your frontend.

<sup>1</sup> Position must be below the templates of CSS Styled Content and Grid Elements.

<sup>2</sup> Optional: moves <div> to <table> in the image content element. Only in context with generating PDF.

<sup>3</sup> Position must be below the templates of Slick.

<sup>4</sup> Optional: moves <div> to <table> in the fluid templates of the extension TYPO3 responsive Starter (start). Only in context with generating PDF.

<sup>5</sup> Position must be below the templates of Start.

<sup>6</sup> Recommended, if you are using the grid elements, which are delivered by Start.

# Controlling

## Workflow

Usually you like to provide a PDF download for the content of your page but neither for the header nor for the footer nor for navigation elements.

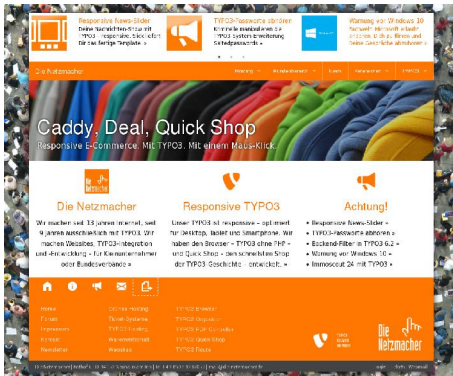


Illustration 4: index.php?id=x&type=0

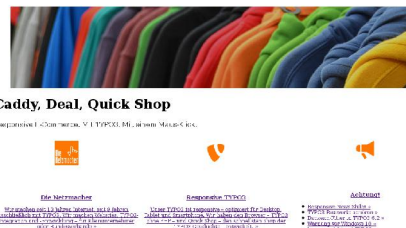


Illustration 5: ... &type=67426



Illustration 6: ... =67425

## pdfcontrollerPrint

Therefore the PDF Controller arranges a PAGE object called pdfcontrollerPrint. It takes the content elements of the current page from the default column (colpos = 0). The pdfcontrollerPrint page has the typeNum 67426.

You can see the PAGE pdfcontrollerPrint in the frontend by calling the current page with typeNum 67426 like

- <http://my-domain.com/index.php?id=277&type=67426>

if the current page is the page with the id 277.

If you want to change the content, you have to edit the TypoScript of the PAGE object pdfcontrollerPrint.

If you get an unexpected result in your PDF file, you should inspect the CSS code and HTML code of this page.

Don't wonder: this page hasn't any HTML head by default.

## pdfcontrollerPDF

The PDF Controller User Interface is called on the current page by typeNum 67425. This page is called pdfcontrollerPDF.

The PDF Controller button generates a link like

- <http://my-domain.com/index.php?id=277&type=67425>

There isn't any need to configure the PAGE object pdfcontrollerPDF. Don't touch this TypoScript code!

## Requirements

There isn't any special system requirement.

If you are using restricted pages – access for frontend users only – you have to set some TYPO3 frontend configurations for a proper session management.

### Check it by the Plugin!

You can check your system supported by the plugin PDF Controller 3 User Interface. See

- first tab [Check!] and
- the last tab [Debugging]

#### [Check!]

##### Check for [FE][lockHashKeyWords]

[FE][lockHashKeyWords] must be empty.

You can configure the property by

- Modul: System > Install > All configuration
- Look for "lockHashKeyWords"

```
$TYPO3_CONF_VARS['FE']['lockHashKeyWords'] = '';
```

##### Check for [FE][lockIP]

[FE][lockIP] must be 0.

You can configure the property by

- Modul: System > Install > All configuration
- Look for "lockIP"

```
$TYPO3_CONF_VARS['FE']['lockIP'] = '';
```



## PDF Properties

You can controll PDF properties by

- the plugin / flexform
- the TypoScript Constant Editor and
- TypoScript directly.

### Plugin / Flexform

You can configure by the plugin /flexform in principle

- path to your **PDF template file**
- PDF **page margins**
- PDF page margins for the fist page
- Default **fonts**<sup>1</sup>
- CSS properties for a **a-tag**
- images **scaling factor**

---

<sup>1</sup> Default fonts are used, if there isn't set any font by CSS

# Layout Restrictions

## CSS

The CSS compatibility is on a poor level. It is similar like CSS for HTML in e-mails (newsletters).

### Any CSS by default

Please take care of the default TypoScript configuration:

pdfcontrollerPrint.config.disableAllHeaderCode is disabled by default.

This effects both:

- any CSS isn't included by default
- pdfcontrollerPrint.includeCSS will ignored.

### Include your CSS

#### By a Content Element (recommended)

The recommended way for including your CSS is, to include it as a content element like in the sample below:

```
pdfcontrollerPrint.10 {
    10 = TEXT
    10.value (
        <style>
            ...
        </style>
    )
}
```

#### By a File (not recommended)

You may include a CSS file too. But the way below isn't recommended, because you are enabling the including of all header code and you can receive unwanted CSS data delivered by TYPO3 and TYPO3 extensions.

```
pdfcontrollerPrint {
    config {
        disableAllHeaderCode = 0
    }
    includeCSS {
        mycss = fileadmin/my.css
    }
}
```

If you like to include a CSS file, please check the rendered HTML code of the pdfcontrollerPrint page: It should not include any other CSS data.

## CSS properties

### Rules

The CSS compatibility is on a small level. It is similar like CSS for HTML in e-mails (newsletters).

Please take care of some rules

```
/*
 * Don't use:
 *   h1, h2 { ...
 * Use only:
 *   h1 { ...
 *   h2 { ...
 *
 * Isn't supported:
 *   * a
 *     * color      : Use the PDF Controller user interface (flexform). See tab [tags].
 *     * text-decoration : Use the PDF Controller user interface (flexform). See tab [tags].
 *     * border      : There isn't any alternate. But see the details at margin below.
 *                     For a border-top or a border-bottom you can use a empty line <p>&nbsp;</p>.
 *                     For a border-left and a border-right you can use an empty column like
 *                     <td>&nbsp;</td>, if it is within a table.
 *
 *     * line-height : There isn't any alternate.
 *                     Internal note: :TODO: TCPDF::setCellHeightRatio( )
 *
 *     * list-style-type : There isn't any alternate.
 *                     Internal note: :TODO: TCPDF::setListIndentWidth( ), TCPDF::setLisymbol( )
 *
 *     * margin        : Use TypoScript plugin.tx_pdfcontroller.settings.pdf.css.margin
 *                     You can add every tag
 *                     Internal note: TCPDF::setHtmlVSpace( )
 *
 *     * padding        : There isn't any alternate. But see the details at margin above.
 */
```

### Sample

```
body {
  color: green;
  font-family: helvetica;
}
h1 {
  color: orange;
  font-family: times;
  font-size: 24pt;
  text-decoration: underline;
}
h2 {
  color: brown;
  font-family: courier;
  font-size: 16pt;
}
p {
  color: red;
  font-family: helvetica;
  font-size: 12pt;
}
```

### Pagebreak

```
@media print {
  h1 {
    page-break-before:always;
  }
  div {
    page-break-before:auto;
  }
  #content {
    page-break-before:avoid;
  }
}
```

CSS property explanation:

- <http://wiki.selfhtml.org/wiki/CSS/Eigenschaften/Druckausgabe> (German)

## HTML

HTML should be simple as possible.

### DIV

Don't try to configure DIV-tags. There isn't any chance. They will be handled like P-tags.

### TABLE

#### CAPTION

Avoid the TABLE property CAPTION. CAPTION will be handled as a column – like a TD tag. CAPTION will destroy your TABLE layout.

#### Mixed units

Avoid to mix units! For example: It isn't recommended to use per cent and pixels for the width of TD-tags within the same TABLE.

## Optimisation by the PDF Controller

The PDF Controller optimises some HTML, if you include the static template:

- PDF Controller [1.1] +tt\_content optimising (pdfcontroller)

### Images

#### Move <div> to <table>

Images are wrapped with <div>-tags by default. But <table>-tags are the proper one. See the TypoScript code snippet below.

```
[globalVar = GP:type = {$plugin.pdfcontroller.pages.print.typeNum}]
## images
tt_content.image {
    20 {
        1 {
            layout {
                default {
                    element := appendString ( <br /> )
                }
            }
        }
        layout {
            # above-center
            default {
                value (
                    <table cellpadding="0" cellspacing="0" style="width:100%;" class="columns01">
                    <tr>
                    <td>
                        ###IMAGES###
                    </td>
                    </tr>
                    <tr>
                    <td>
                        ###TEXT###
                    </td>
                    </tr>
                    </table>
                )
            }
            # above-right
            ...
        }
        renderMethod = simple
        rendering {
            simple {
                imageStdWrapNoWidth.wrap = |
                imageStdWrap.dataWrap = |
                caption.wrap = <p>|<br /><br /></p>
            }
        }
    }
}
[global]
```

# Constant Editor

## PDF CONTROLLER - BUTTON

Property:	Data type:	Description:
button.icon	string	Path to the button icon. Default: EXT:pdfcontroller/Resources/Public/Images/pdf.png

## PDF CONTROLLER - CONFIG

Property:	Data type:	Description:
config.disableAllHeaderCode	boolean	disableAllHeaderCode: If is set, none of the features of the PAGE object is processed but the content of the page. There isn't nor <HTML>-tag neither a default CSS among others. Default: 1

## PDF CONTROLLER – PAGES PDF

This effects the PAGE object **pdfcontrollerPDF**

Property:	Data type:	Description:
pages.pdf.typeNum	string	typeNum: type number for the PAGE, which generates the PDF. Recommended 67425. Use another number, if you are still using 67425. Default: 67425

## PDF CONTROLLER – PAGES PRINT

This effects the PAGE object **pdfcontrollerPrint**

Property:	Data type:	Description:
pages.print.typeNum	integer	typeNum: type number for the PAGE, which is optimised for printing. Recommended 67426. Use another number, if you are still using 67426. Default: 67426
pages.print.header	string	header: My header content. Default: See @ TypoScript at plugin.tx_pdfcontroller.settinmgs.master_templates.print...
pages.print.copyright	string	copyright: Copyright in the footer. Default:   &#169; See @ Constant Editor category [PDF CONTROLLER - PAGES] > copyright
pages.print.strftime	string	time format: PHP function strftime. Example for German language: Gedruckt am %d.%m.%y um %T Uhr Default: printed at %y/%m/%d %T

## PDF CONTROLLER – PAGES USER INTERFACE

Property:	Data type:	Description:
pages.userinterface.pid	integer	Page ID*: *OBLIGATED: ID of the page, which contains the PDF user interface.

## PDF CONTROLLER – URL

Property:	Data type:	Description:
url	string	Url*: *OBLIGATED: Domain of your website with ending slash. F.e: http://die-netzmacher.de/ Default: http://my-example.com

## PDF CONTROLLER – VIEW

Property:	Data type:	Description:
templateRootPath	string	Templates: Path to the templates Default: EXT:pdfcontroller/Resources/Private/View/Templates/
partialRootPath	string	Partials: Path to the partials Default: EXT:pdfcontroller/Resources/Private/View/Partials/
layoutRootPath	string	Layouts: Path to the layouts Default: EXT:pdfcontroller/Resources/Private/View/Layouts/

# Reference

## PAGE

### pdfcontrollerPDF

Property:	Data type:	Description:
pdfcontrollerPDF	PAGE	pdfcontrollerPDF < plugin.tx_pdfcontroller.settings.master_templates.pdf

### pdfcontrollerPrint

Property:	Data type:	Description:
pdfcontrollerPrint	PAGE	pdfcontrollerPrint < plugin.tx_pdfcontroller.settings.master_templates.print

## tt\_content

### tt\_content.image

Property:	Data type:	Description:
tt_content.image	Array	<pre> [globalVar = GP:type = {\$plugin.pdfcontroller.pages.print.typeNum}] ## images tt_content.image {     20 {         1 {             layout {                 default {                     element := appendString ( &lt;br /&gt; )                 }             }             layout {                 # above-center                 default {                     value (                         &lt;table cellspacing="0" cellpadding="0" style="width:100%;" class="columns01"&gt;                             &lt;tr&gt;                                 &lt;td&gt;                                     ###IMAGES###                                 &lt;/td&gt;                             &lt;/tr&gt;                             &lt;tr&gt;                                 &lt;td&gt;                                     ###TEXT###                                 &lt;/td&gt;                             &lt;/tr&gt;                         &lt;/table&gt;                     )                 }                 override &gt;             }             # above-right             ...         }         renderMethod = simple         rendering {             simple {                 imageStdWrapNoWidth.wrap =                   imageStdWrap.dataWrap =                   caption.wrap = &lt;p&gt; &lt;br /&gt;&lt;br /&gt;&lt;/p&gt;             }         }     } } [global] </pre>



## tx\_pdfcontroller: PDF Controller User Interface

plugin.tx\_pdfcontroller.settings is the former plugin.tx\_pdfcontroller\_pi1.

### settings.master\_templates

Property:	Data type:	Description:
master_templates	array	<pre> plugin.tx_pdfcontroller {     settings {         master_templates {             pdf = PAGE             pdf {                 config {                     ... &lt;- Please inspect code by the TypoScript Object Browser                 }                 typeNum = {\$plugin.pdfcontroller.pages.pdf.typeNum}                 10 = COA                 10 {                     ... &lt;- Please inspect code by the TypoScript Object Browser                 }             }         }         print = PAGE         print {             config {                 ... &lt;- Please inspect code by the TypoScript Object Browser             }             typeNum = {\$plugin.pdfcontroller.pages.pdf.typeNum}             10 = COA             10 {                 ... &lt;- Please inspect code by the TypoScript Object Browser             }         }     } } </pre>

### settings.pdf.content.footer

Property:	Data type:	Description:
pdf.content.footer	array	<pre> plugin.tx_pdfcontroller {     settings {         pdf {             content {                 // empty statement for proper comments only                 footer {                 }                 // placeholders: %page% for the current page, %pages% for the number of pages                 footer = TEXT                 footer {                 // placeholders: %page% for the current page, %pages% for the number of pages                 value = page %page% from %pages%                 lang {                     de = Seite %page% von %pages%                     en = page %page% from %pages%                 }                 wrap = &lt;div style="text-align:right;"&gt; &lt;/div&gt;             }         }     } } </pre>

## settings.pdf.css.margin

Property:	Data type:	Description:
pdf.css.margin	array	<pre> plugin.tx_pdfcontroller {     settings {         pdf {             css {                 margin {                     // bottom, top                     div =                     div {                         // value: 0, times: 0                         bottom =                         bottom {                             value = 0                             times = 0                         }                         // value: 0, times: 0                         top =                         top {                             value = 0                             times = 0                         }                     }                     // bottom, top                     h1 &lt; .div                     // bottom, top                     h2 &lt; .div                     // bottom, top                     h3 &lt; .div                     // bottom, top                     ol &lt; .div                     ol {                         // value: 1, times: 3                         bottom =                         bottom {                             value = 1                             times = 3                         }                     }                     // bottom, top                     p &lt; .div                     // bottom, top                     ul &lt; .ol                 }             }         }     } } </pre>

## settings.pdf.filename

Property:	Data type:	Description:
pdf.filename	COA	<pre> plugin.tx_pdfcontroller {     settings {         pdf {             filename = COA             filename {                 // page : title                 10 = TEXT                 10 {                     stdWrap {                         data = page : title                         htmlSpecialChars = 1                     }                     wrap =                   }                 // date                 30 = TEXT                 30 {                     data      = date : U                     strftime  = %Y%m%d%H%M%S                     wrap      = _                  }                 // extension pdf                 50 = TEXT                 50 {                     value = pdf                     wrap  = .                  }             }         }     } } </pre>

## settings.pdf.pageproperties

Property:	Data type:	Description:
pdf.pageproperties	array	<pre> plugin.tx_pdfcontroller {     settings {         pdf {             pageproperties {                 // page : author                 documentAuthor = CONTENT                 documentAuthor {                     table = pages                     select {                         where = 1 OR (uid = {page:uid} AND pid &gt;= 0)                         where {                             insertData = 1                         }                         max = 1                     }                     renderObj = TEXT                     renderObj {                         field = author                     }                 }                 // page : keywords                 documentKeywords &lt; .documentAuthor                 documentKeywords {                     renderObj {                         field = keywords                     }                 }                 // page : description                 documentSubject &lt; .documentAuthor                 documentSubject {                     renderObj {                         field = description                     }                 }                 // page : title                 documentTitle &lt; .documentAuthor                 documentTitle {                     renderObj {                         field = title                     }                 }             }         }     } } </pre>

## settings.pid.userinterface

Property:	Data type:	Description:
pid.userinterface	integer	<pre> plugin.tx_pdfcontroller {     settings {         pid {             userinterface = {\$plugin.pdfcontroller.pages.userinterface.pid}         }     } } </pre>

## settings.typeNum

Property:	Data type:	Description:
typeNum	array	<pre> plugin.tx_pdfcontroller {     settings {         typeNum {             pdf = {\$plugin.pdfcontroller.pages.pdf.typeNum}             print = {\$plugin.pdfcontroller.pages.print.typeNum}         }     } } </pre>

## view

Property:	Data type:	Description:
view	array	<pre> plugin.tx_pdfcontroller {     view {         templateRootPath = {\$plugin.tx_pdfcontroller.view.templateRootPath}         partialRootPath = {\$plugin.tx_pdfcontroller.view.partialRootPath}         layoutRootPath = {\$plugin.tx_pdfcontroller.view.layoutRootPath}     } } </pre>

## tx\_pdfcontroller\_pi2: PDF Controller Button

### button

Property:	Data type:	Description:
button	IMAGE	<pre> plugin.tx_pdfcontroller_pi2 {     button = IMAGE     button {         wrap =  &amp;nbsp;         file = {\$plugin.pdfcontroller.button.icon}         altText {             stdWrap {                 cObject = TEXT                 cObject {                     value = Download content as PDF file                     lang {                         de = Inhalt als PDF-Datei herunterladen                         en = Download content as PDF file                     }                 }             }         }         titleText &lt; .altText         imageLinkWrap = 1         imageLinkWrap {             enable = 1             typolink {                 parameter {                     cObject = COA                     cObject {                         // url                         10 = TEXT                         10 {                             data = page:uid                         }                         // target                         20 = TEXT                         20 {                             value = _blank                             noTrimWrap =   " "                          }                         // class                         30 = TEXT                         30 {                             value = -                             noTrimWrap =   " "                          }                         // title                         40 = TEXT                         40 {                             value = Download content as PDF file                             lang {                                 de = Inhalt als PDF-Datei herunterladen                                 en = Download content as PDF file                             }                             noTrimWrap =   " "                          }                     }                 }                 additionalParams = &amp;type={\$plugin.pdfcontroller.pages.pdf.typeNum}                 // #i0024, 150904, dwildt, 4+                 addQueryString = 1                 addQueryString {                     exclude = id, cHash                 }                 ATagParams = rel="nofollow"             }         }     }     text = TEXT     text {         ... &lt;- See next section below     } } </pre>

## text

Property:	Data type:	Description:
text	TEXT	<pre> plugin.tx_pdfcontroller_pi2 {     text = TEXT     text {         value = PDF Download         lang {             de = PDF Download             en = PDF Download         }         typolink {             ... &lt;- See typolink from button in the section from above         }     } } </pre>

## Extensions

### Grid elements (by Start)

start.gridelements.1 to 6

Property:	Data type:	Description:
start.gridelements.x	array	<pre> start.gridelements {   1 {     columns.default.wrap.noTrimWrap =  &lt;td class="columns  "&gt;      columns.default.wrap2 =  &lt;/td&gt;     wrap.stdWrap.cObject.10.value = &lt;table class="row columns01     wrap.stdWrap.cObject.30.value = "&gt;&lt;tbody&gt;&lt;tr&gt; &lt;/tr&gt;&lt;/tbody&gt;&lt;/table&gt;   }   ... }  tt_content.gridelements_pi1.20.10.setup.1 &lt; start.gridelements.1 tt_content.gridelements_pi1.20.10.setup... &lt; start.gridelements...</pre>

start.structure.inlineCss

Property:	Data type:	Description:
structure.inlineCss	array	<pre> start {   structure {     inlineCss {       pdfcontroller = TEXT       pdfcontroller {         value ( &lt;style&gt;   table.columns01 { width:100%; }   table.columns02 { width:100%; }   table.columns03 { width:100%; }   table.columns04 { width:100%; }   table.columns05 { width:100%; }   table.columns06 { width:100%; }    table.columns01 tr td { width:100%; }   table.columns02 tr td { width:49%; }   table.columns03 tr td { width:32%; }   table.columns04 tr td { width:23.5%; }   table.columns05 tr td { width:18.4%; }   table.columns06 tr td { width:15%; }    table.columns02 tr td.space { width:2%; }   table.columns03 tr td.space { width:2%; }   table.columns04 tr td.space { width:2%; }   table.columns05 tr td.space { width:2%; }   table.columns06 tr td.space { width:2%; }    .align-center { text-align:center; }   .align-left { text-align:left; }   .align-right { text-align:right; }    .csc-header-alignment-center { text-align:center; }   .csc-header-alignment-left { text-align:left; }   .csc-header-alignment-right { text-align:right; } &lt;/style&gt; )   } } }</pre>



## Slick – responsive Carousel and Slider

tt\_content.slickslideshow

Property:	Data type:	Description:
tt_content.slickslideshow	Array	<pre> [globalVar = GP:type = {\$plugin.pdfcontroller.pages.print.typeNum}] ## images tt_content.slickslideshow {     20 {         1 {             layout {                 default {                     element := appendString ( &lt;br /&gt; )                 }             }             layout {                 default {                     value (                         &lt;table cellpadding="0" cellspacing="0" style="width: 100%; text-align: left; margin: 0;"&gt;                             &lt;tr&gt;                                 &lt;td valign="top" align="left" style="text-align: left;"&gt;                                     ###IMAGES###                                 &lt;/td&gt;                             &lt;/tr&gt;                             &lt;tr&gt;                                 &lt;td valign="top"&gt;                                     ###TEXT###                                 &lt;/td&gt;                             &lt;/tr&gt;                         &lt;/table&gt;                     )                     override &gt;                 }             }             renderMethod = simple             rendering {                 simple {                     imageStdWrapNoWidth.wrap =                       imageStdWrap.dataWrap =                       caption.wrap = &lt;p&gt; &lt;br /&gt;&lt;br /&gt;&lt;/p&gt;                 }             }         }     } } [global] </pre>

## Start – Starter Kit for a responsive TYPO3

### PAGE

Property:	Data type:	Description:
pdfcontrollerPrint	PAGE	pdfcontrollerPrint > pdfcontrollerPrint < plugin.tx_pdfcontroller.settings.extensions.start.master_templates.print

### settings.extensions.start.master\_templates.print

Property:	Data type:	Description:
master_templates.print	PAGE	<pre> plugin.tx_pdfcontroller {     settings {         extensions {             start {                 master_templates {                     print = PAGE                     print {                         ... -&gt; Please inspect it by the TypeScript Object Browser                     }                 }             }         }     } } </pre>

# Fonts

## Install custom fonts

This is an example for TTF-fonts (True Type Fonts) only.

See details at:

- <http://www.tcpdf.org/fonts.php>
- `typo3conf/ext/t3_tcpdf/tcpdf/tools/convert_fonts_examples.txt`

## Create a font directory

Create a font directory like

- `fileadmin/myfonts`<sup>1</sup>
- `typo3conf/ext/myextension/fonts`<sup>2</sup>

## Sample directories

- TCPDF tools  
`/var/www/mytypo3/typo3conf/ext/t3_tcpdf/tcpdf/tools$`
- TTF-files source folder (input folder in the samle below: -i)  
`~/Downloads/`
- TTF-files destination folder (output folder in the samle below: -o)  
`/var/www/mytypo3/typo3conf/ext/pdfcontroller_fonts/fonts`

## Move \*.ttf to TCDF font definition files

```
name@server:/var/www/mytypo3/typo3conf/ext/t3_tcpdf/tcpdf/tools$ \
./tcpdf_addfont.php -b -t TrueTypeUnicode -f 32 \
-o /var/www/typo3_62.local/typo3conf/ext/pdfcontroller_fonts/fonts \
-i ~/Downloads/Noto_Sans/NotoSans-BoldItalic.ttf
```

## Update the PDF Controller Interface

Tab [Fonts] > field "Relative path to my fonts directory"

Enter your path. I.e: `fileadmin/myfonts`<sup>3</sup>

## Run the PDF Controller

Run the PDF Controller in the frontend once.

## Remove installed Fonts

- Remove the extension PDF Controller Fonts (`pdfcontroller_fonts`)
- Update the extension TCPDF for TYPO3 (`t3_tcpdf`)

<sup>1</sup> The absolute path must contain letter in lower case only!

<sup>2</sup> dito

<sup>3</sup> dito

# Debugging

You can get a report for debugging and development purposes in the frontend and the backend.

Please use the tab [Debugging] of the plugin of the PDF Controller 3 User Interface.

If you are enabling the DRS (Development Reporting System), you will get a report in the devlog.<sup>1</sup>

## Mode

### Production (default)

Get your website content as PDF file.

### Test: Display HTML

Get your website content as HTML file. You can check, which HTML will be delivered to the PDF generator.

### Test: TCPDF example 61 "XHTML+CSS" (HTML)

TCPDF provides a lot of samples on the TCPDF website.

This test enables you to check, if your server generates the needed HTML of the TCPDF website.

You can compare the HTML code – especially the CSS code – with the HTML code, which you are using for PDF generating. If something isn't running properly, maybe you are able to find the improper HTML code or the improper CSS code.

### Test: TCPDF example 61 "XHTML+CSS" (PDF)

TCPDF provides a lot of samples on the TCPDF website. This test enables you to check, if your server generates the same PDF like the server of the TCPDF website. It should be the same PDF file. If it isn't, maybe the PDF Controller doesn't run properly.

PDF file for comparison:

[http://www.tcpdf.org/examples/example\\_061.pdf](http://www.tcpdf.org/examples/example_061.pdf)

### Development: Display TypoScript

This displays the TypoScript, which is the base for TYPO3 for rendering the HTML or PDF file.

If something isn't running properly, maybe you are able to find the improper TypoScript code.

<sup>1</sup> You need the extension Developer Log (devlog)

## DRS (Development Reporting System)

You need the extension

- Developer Log (devlog)

If you are enabling the DRS (Development Reporting System), you will get a report in the devlog.

### Disabled (recommended)

Any prompt won't sent to devlog.

### All: errors, warnings and infos

The PDF Controller sends all prompts to devlog.

### Session-management

The PDF Controller sends prompts to devlog in context with the session management.

The PDF Controller prompts the

- URL with the **FE\_SESSION\_KEY**

among others, if a fe\_user is logged in.

You can check, if this URL is proper:

- Take a browser without any current session.
- Copy this URL into the address field of the Browser.
- If the Browser displays the content for fe\_users, which are logged in, everything seem's to be proper.
- If it displays content for fe\_users, which aren't logged in, the URL isn't proper.

## 3rd party!

The PDF Controller supports third party extensions respectively third party extensions supports the PDF Controller.

Support means:

- Usually the HTML code is optimised for a responsive layout.
- But TCPDF can't handle the CSS of a responsive layout in principle.

The PDF Controller optimises HTML and CSS of the third party extension from below. Optimisation doesn't mean, that you will get a one-to-one layout.

## Grid Elements

The PDF Controller optimises the HTML of the grid elements, if they are arranged by Start – Starter Kit for a responsive TYPO3. The optimisation is ready-to-use. If you are using your own grid elements, you can adapt the PDF Controller to your needs by configuring your TypoScript.

Edit Page Content "[Footer Menu 1+2+3]" on page "die-netzmacher.de"

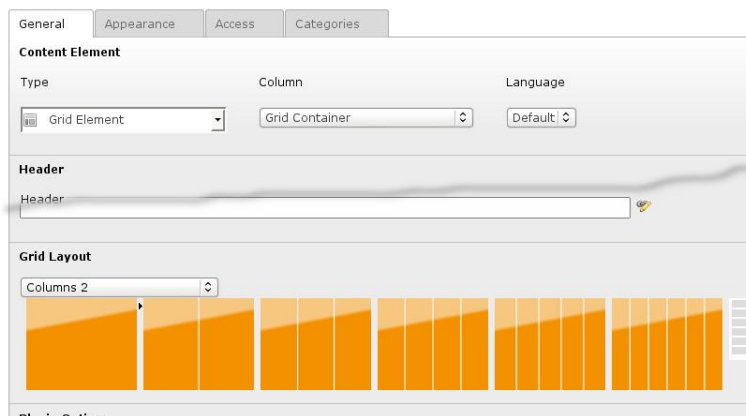


Illustration 7: The PDF Controller 3 can move responsive HTML output to PDF, which is based on one of the six grid elements provided by Start.

## Organiser – TYPO3 for Lobby and Organisers

The news modul of the Organiser – TYPO3 for Lobby and Organisers – has a template for the PDF Controller. A TYPO3 integrator hasn't nothing to do: news in list views and news in single views are optimised for the PDF Controller by default.

See samples for a list view:

- HTML: <http://die-netzmacher.de/news/>
- PDF: <http://die-netzmacher.de/news/?type=67425>

Select a news from the list view, to check a single view in HTML and PDF.

If you are using the Organiser, you need it from version 7.5.x

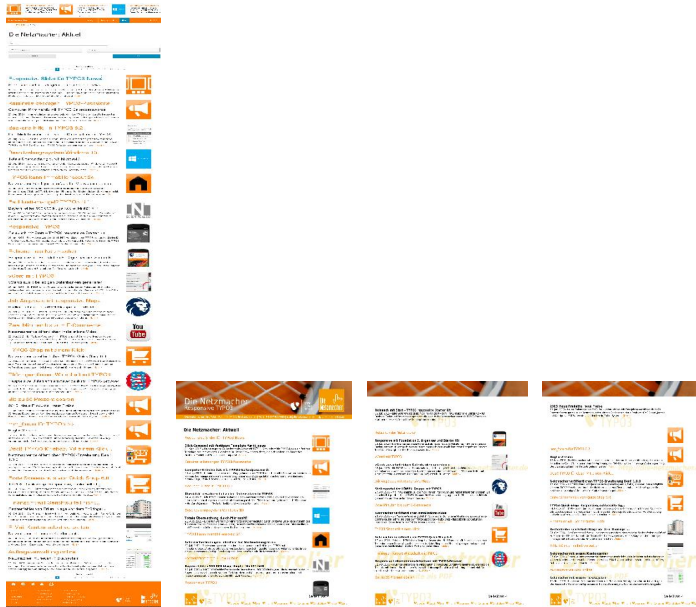


Illustration above: organiser news list view in HTML (left) and as PDF file

## Slick – responsive Carousel and Slider

If you like to optimise content, which is delivered by Slick – responsive Carousel and Slider –, please use the static template

- PDF Controller [2] Ext: Slick (pdfcontroller)

## Start – Starter Kit for a responsive TYPO3

If you like to optimise content, which is delivered by Start – Starter Kit for a responsive TYPO3 –, please use the static templates

- PDF Controller [2] Ext: Start (pdfcontroller)
- PDF Controller [2.1] Ext: Start Gridelements (pdfcontroller)

### Edit Page "die-netzmacher.de"

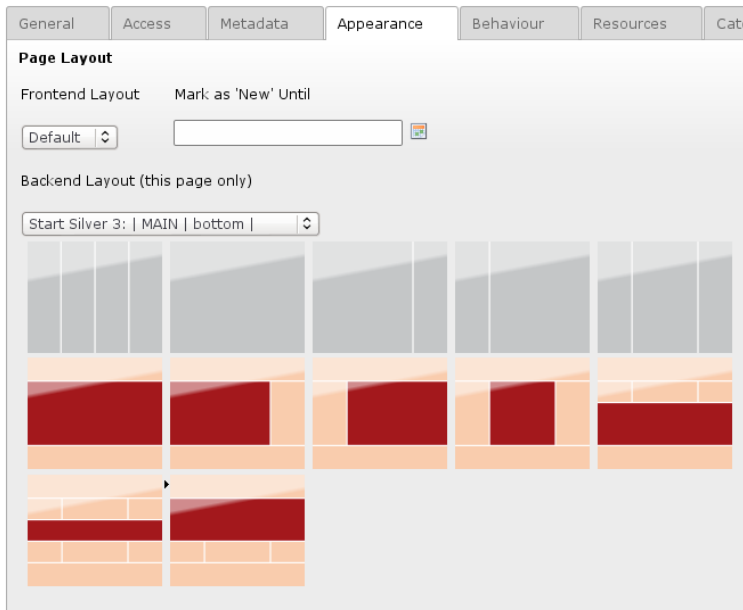


Illustration 8: The PDF Controller 3 can move responsive HTML output to PDF, which is based on one of the 12 backend layouts provided by Start.



# What's new

## 4.x

### Grid Elements

[4.1.1]

Template for the Grid Elements of Start – Starter Kit for a responsive TYPO3.

### Session handling

[4.0.0]

The PDF Controller handles sessions. You can use it on restricted pages.

### Slick – responsive Carousel and Slider

[4.1.2]

Template for Slick – responsive Carousel and Slider.

### Start – Starter Kit for a responsive TYPO3

[4.1.1]

Template for Start – Starter Kit for a responsive TYPO3.

### tt\_content optimisation

[4.1.0]

Template

### TYPO3 7.x

[4.0.0]

The PDF Controller should run in TYPO3 7.x. But this isn't tested!

## 3.x

### Corporate Design

[3.1.0]

Background of any generated PDF is a PDF file. This PDF file can be designed individually.

### Extra first page

[3.1.0]

Background of any generated PDF is a PDF file. If your PDF file contains two pages, the first page is only used for the first page of the generated PDF file.

### TCPDF

[3.1.0]

New PDF engine tcpdf.

# Upgrades

## From 3.x to 4.x

### TypoScript

TypoScript is moved from `plugin.tx_pdfcontroller_pi1` to `plugin.tx_pdfcontroller.settings`.

Keep it in mind, if you have to update the setup of your TypoScript.

## From 2.x to 3.x

The PDF Controller 3 has a new PDF engine: TCPDF. The former engine was HTML2PS.



Therefor an upgrade isn't possible. Sorry for the trouble.

## Known Bugs

See <https://forge.typo3.org/projects/extension-pdfcontroller/issues>

## Further Information

### Other extensions published by Die Netzmacher

-  +AOE Linkhandler Configurator: Configure the AOE linkhandler supported by userinterfaces. Out-of-the-box templates for cal, org, tt\_news and tt\_products. Don't edit page TSconfig any longer.  
<http://typo3.org/extensions/repository/view/linkhandlerconf/>
-  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 one 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 – the TYPO3 shopping cart. You can use it for your own needs. You need a database with products or any other items only. You can install Caddy out of the box with one mouse click – see Quick Shop below.  
<http://typo3.org/extensions/repository/view/caddy/>
-  Deal! – TYPO3 Quick Shop interface for the marketplace ebay. Manage all items with TYPO3 and publish it on ebay. Amazon is under construction.  
<http://typo3.org/extensions/repository/view/deal/>
-  Duty – collection of helpful scheduler tasks. Here: remove deprecated files from directories.  
<http://typo3.org/extensions/repository/view/duty/>
-  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. Flipt it! can convert PDF documents to swf files automatically.  
<http://typo3.org/extensions/repository/view/flipit/>
-  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.  
<http://typo3-job-market.de/>
-  Organiser – TYPO3 for the lobby and the organisers. Handle news, events, staff, headquarters, locations, workshops and a calendar with one extension. Sell online tickets! Install the Organiser with one mouse click!  
<http://typo3-organiser.de/>
-  Quick Shop – the fastest shop in the history of TYPO3. Install it with one mouse click! Quick Shop is based on the browser (see above) and powermail.  
<http://typo3-quick-shop.de/>
-  PDF Controller: Offer a TYPO3 page for PDF download. Individual layout with background PDF file. TYPO3 sessions are supported. Handling of responsive backend layouts and grid elements possible. PDF engine is TCPDF.  
<http://typo3-pdfcontroller.de/>
-  Radial Search (Umkreissuche) – Enable the browsing through your data by geo location. 'Your data must have a latitude and a longitude. Address data can geocoded automatically by the Browser - TYPO3 without PHP.  
<http://typo3.org/extensions/repository/view/radialsearch/>
-  Route – Publish your routes with GoogleMaps or OpenStreetMap. Routes have points of interest (POI). You can categorise and filter both: routes and POI. Address data can geocoded automatically.  
<http://typo3.org/extensions/repository/view/route/>
-  seo\_dynamic\_tag: Search Engine Optimization for the title tag, the canonical tag and the meta tags author, description and keywords. Configuration by a user interface.  
[http://typo3.org/extensions/repository/view/seo\\_dynamic\\_tag/](http://typo3.org/extensions/repository/view/seo_dynamic_tag/)
-  Slick - jQuery Carousel: Fully responsive. Scales with its container. Separate settings per breakpoint. Uses CSS3 when available. Swipe enabled. Desktop mouse dragging. Infinite looping. Fully accessible.  
<http://typo3.org/extensions/repository/view/slick/>
-  TSconfig Pages and Users by extManager (extkey: tsconf): Configure the the eight most commonly used TSconfig porperties with the mouse - like page tree uids, activated extended view, activated clipboard, ...  
<http://typo3.org/extensions/repository/view/tsconf/>

## SEO - Search Engine Optimisation

You are optimising your website for search engines in principle, that your content will be found and indexed in a meaningful context.

But if you are offering an HTML page for PDF download and for optimised printing, you don't like the a twice or triple indexing - because of performance.

### rel="nofollow"

Links to the pdf controller shouldn't indexed by default.

The <a> tag has the property rel="nofollow"

This effects that search engines doesn't follow the link - they don't download your PDF document. They don't index it.

That's what you want.

If you have a need to index PDF documents by search engines, please remove the TypoScript ATagParams. See the snippet below.

### TypoScript snippet

```
plugin.tx_pdfcontroller_pi2 {
    button = IMAGE
    button {
        ...
        imageLinkWrap {
            enable = 1
            typolink {
                ...
                ATagParams = rel="nofollow"
            }
        }
    }
}
```

## Credits

### Netconsult AG

[3.0.0]

Thanks to the Netconsult AG, who contracted a part the integration of TCDPDF for TYPO3 (t3\_tcpdf) into the PDF Controller.

NetConsult AG, Bern, Switzerland

<http://www.netconsult.ch/>

### typo3-lisardo.de

[2.0.0]

Peter Linzenkirchner contracted a part of the 2.0 upgrade:

- <http://www.typo3-lisardo.de/>

### web-arts.ch

[2.0.0]

Angelo Previtali contracted a part of the 2.0 upgrade:

- <http://www.web-arts.ch/>

### TYPO3 Security Team

[1.1.1]

Thanks to the TYPO3 Security Team for a commendable support - especially to Franz G. Jahn.

# Helpful suggestions

## Forum

If you have helpful suggestions, feel free to publish any question, bug or code snippet on

- <http://typo3-pdfcontroller.de/>

Look for the forum TYPO3 PDF Controller.

Posts are welcome in English and German.

# Change log

- 4.1.3 **Improvement**
  - \* #i0031: tt\_content optimisation: image caption got the wrap <p class="caption">|<br /></p>
- 4.1.2 **New Features**
  - \* #i0030: slick optimisation for tt\_content.images**Improvement**
  - \* #i0029: tt\_content optimisation added for image layout: 1, 2, 8, 9, 10, 17, 18
  - \* #i0028: td.space for grid elements**Bugfix**
  - \* #i0027: <tr> was missing in typoscript for grid elements
- 4.1.1 **New Feature**
  - \* #i0025: Support for Start: grid layouts
  - \* #i0024: addQueryString**Improvement**
  - \* #i0023: Flexform tab sDEF is removed
  - \* #i0022: Suggests pdfcontroller\_fonts
- 4.1.0 **New Feature**
  - \* #i0021: Constant for config.disableAllHeaderCode
  - \* #i0020: Template for tt\_content optimisation
  - \* #i0019: Support for start
    - Effected files:
      - \* Configuration/TypoScript/Extensions/Start (new)
      - \* Resources/Private/Extensions/Start/Templates (new)
- 4.0.6 **Improvement**
  - \* #i0018: Check for [ 'FE' ][ 'lockIP' ]
  - \* #i0017: \_ffValue: error prompt
  - \* #i0016: Labeling \*.xlf
- 4.0.5 **Improvement**
  - \* #i0015: Update Manual
- 4.0.4 **Improvement**
  - \* #i0014: Flexform with DRS
- 4.0.3 **Update**
  - \* #i0013: Manual with CSS sample for images
- 4.0.2 **Update**
  - \* #i0012: Manual with CSS sample
- 4.0.1 **Bugfix**
  - \* #i0011: XML: missing tag
    - Resources/Private/Language/de.locallang\_db.xlf
- 4.0.0 **Major Features**
  - \* #i0010: Preparation for TYPO3 7.x
  - \* #i0009: Session handling
- 3.1.1 **Improvement**
  - \* #i0008: Constant Editor: new property url.**Bugfix**
  - \* #i0007: PHP Warning: in\_array() expects parameter 2 to be array, null given in Classes/Userfunc/Flexforms/Controller.php line 181
- 3.0.0 **Feature**
  - \* #i0005: Constant Editor: page.pdf\_button. Id of the page, which contains the PDF Controller button.
Moved
  - \* plugin.tx\_pdfcontroller\_pi2.page.pdf\_controller > plugin.pdfcontroller.pages.userinterface.id
  - \* plugin.tx\_pdfcontroller\_pi2.realUrl.print > plugin.pdfcontroller.realUrl.print
  - \* plugin.tx\_pdfcontroller\_pi2.typeNum.print > plugin.pdfcontroller.pages.print.typeNum
- 2.0.4 **Manual**
  - \* #i0004: Update



- 2.0.3 **SECURITY FIX!**
  - \* #i0003: Fix against Cross-Site Scripting  
Done by Christian Bernet, <http://www.bernetimux.ch/>
- 2.0.2 **Bugfix**
  - \* #i0001: Class t3lib\_extMgm is moved to \TYPO3\CMS\Core\Utility\ExtensionManagementUtility
- Improvement**
  - \* #i0002: state is moved from alpha to beta
- 2.0.0 **Major Feature**
  - \* #62278: Upgrade TYPO3 6.2
    - #62285: PHP 5.4 E\_ALL & ~E\_STRICT
    - #62289: PHP 5: Call to undefined method FPDF::GetFontAscender()
    - #62281: Warning in case of [FE][pageNotFoundOnCHashError]
    - #53019: Deprected require() functions for Typo3 6.2
  - \* #47107: Manual: Configuration in case of HTML5 (HTML4)
- 1.4.3 **Manual**
  - \* #00000: Note frontend user sessions
- 1.4.1 **Bugfix**
  - \* #00000: Wrong TypoScript snippet is now proper in the manual
- 1.3.0 **Bugfix**
  - \* #36862: Additional Parameter has to encoded since TYPO 4.6  
Marker ###ADDITIONALPARAMS### is handled by rawurlencode( )  
Effected file:  
\* pi2/class.tx\_pdfcontroller\_pi2.php
- Improvement**
  - \* #00000: Two master template are added. One for a rawurlencode case, one for a realUrl case.
  - \* #00000: DRS got prompts for marker and typolink
  - \* #00000: Manual is updated
- 1.2.1 **Bugfix**
  - \* #36857: Missing index in systemcheck.php: JPG Support  
Effected file:  
\* res/html2ps\_v2043/public\_html/demo/systemcheck.php
- 1.2.0 **New Features**
  - \* #36513: Enable Batch Processing  
Coded by Jonas Goetze <http://forge.typo3.org/users/4345>
  - \* #36228: Display PHP error messages – configurable by the plugin / flexform  
Coded by Ulfried Herrmann <http://herrmann.at.die-netzmacher.de>
- 1.1.4 **Bugfix**
  - \* #34939: Get rid of PHP notice logs  
Thanks to Alexander Krimm for the bug report
- 1.1.3 **Improvement**
  - \* #34858: Usage of \$ICON\_TYPES is deprecated since 4.4.  
Thanks to Rene Staecker <http://forge.typo3.org/users/1993>
- 1.1.2 **Bugfix**
  - \* #00000: SQL error in the query in context with development tools  
Thanks to Borries Jensen, who send the Bugfix.
  - \* #00000: After clearing the dirs cache, out and temp each folder get a file index.html
- 1.1.1 **New Feature**
  - \* #33851: SEO rel="nofollow"
- Improvements**
  - \* #00000: pi1/flexform\_locallang.xml
- 1.1.0 **Security fix**
- 1.0.1 **Improvements**
  - \* #32516: Systemcheck should check fonts in directory of pdfcontroller\_fonts
  - \* #32513: typeNum print template is configurable by the TypoScript constant editor
  - \* #32482: PDF Controller suggests to install Fonts

**Bugfixes**

- \* #32518: Wrong field name for proxy in the flexform. Thanks to Borries Jensen
- \* #31191: Missing folders temp and out. Thanks to Borries Jensen
- \* #31190: Parameter are missing - without RealURL only. Thanks to Borries Jensen

1.0.0     **Initial release**

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