Browser - The TYPO3-Frontend Engine

Publish your data in list and single views! You don't need neither any own plugin nor any line PHP-Code. The Browser - the TYPO3-Frontend-Engine - provides an indexed browser (a-z), a record browser (page browser), a search form, filters, category menus and AJAX by default. Your data will be detected as objects, i.e. images will be wrapped automatically. SEO - Search Engine Optimization - is integrated.

Version: 3.6.3 - 2011-03-14

Extension Key: browser

Language: en

Keywords: forAdmins, forIntegrators, forDevelopers, forBeginners, forIntermediates, forAdvanced, browser, frontend-engine, frontend, engine, sql, relation building, seo, search engine optimization, index browser, a-z browser, alphabetical browser, alpha browser, page browser, sql browser, templating

Copyright 2008-2011, Dirk Wildt, Die Netzmacher, <http://wildt.at.die-netzmacher.de>

This document is published under the Open Content License

available from http://www.opencontent.org/opl.shtml

The content of this document is related to TYPO3

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

Table of Contents

Browser - The TYPO3-Frontend Engine 1
Screenshots 3
- Key Image 3
- Websites with the Browser 3
- Backstage 4

Introduction 6
- What does it do? 6
- What do you need? 6
- Audience 6
- Obligatory Requirements 6
- Non possible features 7

Manual, Tutorials, Case Stories, Forum 8
- Manual in PDF 8
- New Features and Bug Reports 8
- Tutorials 8
- Case Stories 10
- Forum 10

Quick Installation 11
- Extension Manager 11
- What do you need? 11
- Add Page, Browser Plugin and Template 11
- Configuring 12
- Result in the Frontend 14
- Investigate the Browser Plugin/Flexform! 14
- Browser Default Templates 14

Quick Start Tutorial 15
- The tt_news Sample 15

Further Steps 16
- AJAX 16
- Images 16
- Filtering 16
- Labelling 16
- RSS/XML - RSS Feed 16
- SEO - Search Engine Optimisation 16
- Templating 16

Check List 17

DRS - Development Reporting System 18
- Configuring devlog 18
- Options 18
- Debugging SQL statements 19
- Debugging _LOCAL_LANG 20

Reference 21
- General (global arrays) 21
- Local (every view) 22
- Advanced 28
- a-z_Browser 29
- autoconfig 32
- AJAX 32
- Localization 33
- realUrl.linkToSingle 35
- RSS/XML 35
- Templating 35
- views.list 36
- views.single 42
- TT_CONTAINER 45
- TTC_COA 46
- TTC_STDWRAP 46
- _LOCAL_LANG 47

What's new in Version 3.6? 49
- Additional parameters 49
- Filters for areas 49
- Filters for local table 49
- Category Menu 49
- Ordering of children records 49
- Configurable: Search respects Filters 50
- Alternate Image 50
- Wrap Images and Captions with the Image Number 50
- UserFunc: numberFormat 50
- Hide the update report for public visitors 50
- Hooks 51
- Name views in TypoScript 52
- Simulate a single record 52
- Blank the manual sort field by TypoScript configuration 52
- Constant markers are COA able 52
- Images got full tt_content support 52
- tx_browser_tca->static_country_zones 53
- Disable wrap in pi base class by the plugin 53

Road Map 54
- Latest News on Forge 54
- Version 3.7: Calendar Base 54
- Version 4.0: Frontend Editing 54

Functional Schematic 55
- Fast Way for Your Data to the TYPO3 Frontend 55

Smarty 56
- The Browser supersedes Smarty 56
- The common Way - with Smarty 56
- The better Way - with the Browser 56
- Cost-Benefit Equation 57

Update 58
- From every version 58
- From version < 3.5 59
- From version < 3.0 59

FAQ 62
- Is there a Cache Management? 62
- May I use SimulateStaticDocuments and Real URL? 62
- May I share the Browser with TemplaVoila? 62
- Web Accessibility Initiative (WAI) 62
- Is it possible to search in fields, which aren't displayed? 62
- May I use the TYPO3 Indexed Search Machine? 62
- Is the extension UTF-8 secure? 62
- It seems that I have a problem with UTF-8 and Time Stamps ... 62
- It's possible, that devlog doesn't display all logs? 63
- May I use the PHP Multi Byte Overload? 63

Credits 64

Helpful suggestions 66
- Forum 66
- New Features and Bug Reports 66

To-Do List 67

Further Information 68
- About the plugin icon 68
- Other extensions published by Die Netzmacher 68

About the Authors 69

Change Log 70

Illustration Index 77

Screenshots

Key Image

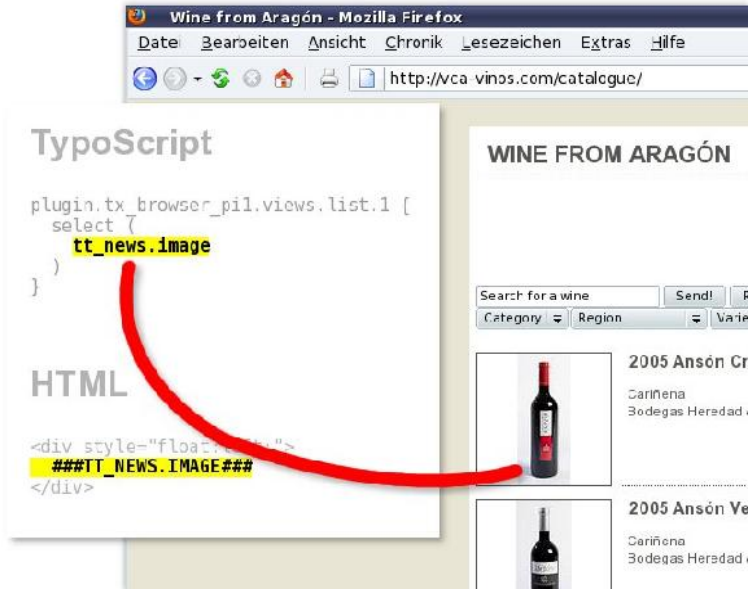

Illustration 1: Amazing - you need one line TypoScript to render an image

Revolution for TYPO3 developers - the Browser turns any field of the database into a TypoScript object. Extensions don't neither need any PHP code nor any own plugin. Developers can save up to 85 percent of there operating expense.

Websites with the Browser

If you like to leave a reference, please send the developer an e-mail (wildt.at.die-netzmacher.de)

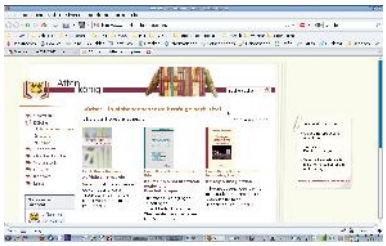

Illustration 2:
http://www.affenkoenig.de/

Illustration 3:
http://wwwflorianleonhard.com

Illustration 4:
http://www.kameramarktplatz.de/

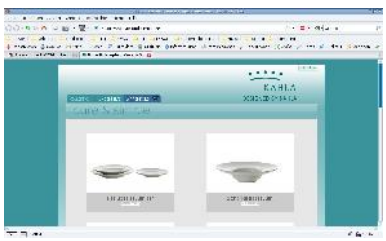

Illustration 5:
http://www.pure-and-simple.ch/

Illustration 6: http://stadt.weimar.de

Illustration 7:
http://veiligengezondwerken.nl/

Backstage

Plugin/Flexform

You can configure some properties with the Browser plugin.

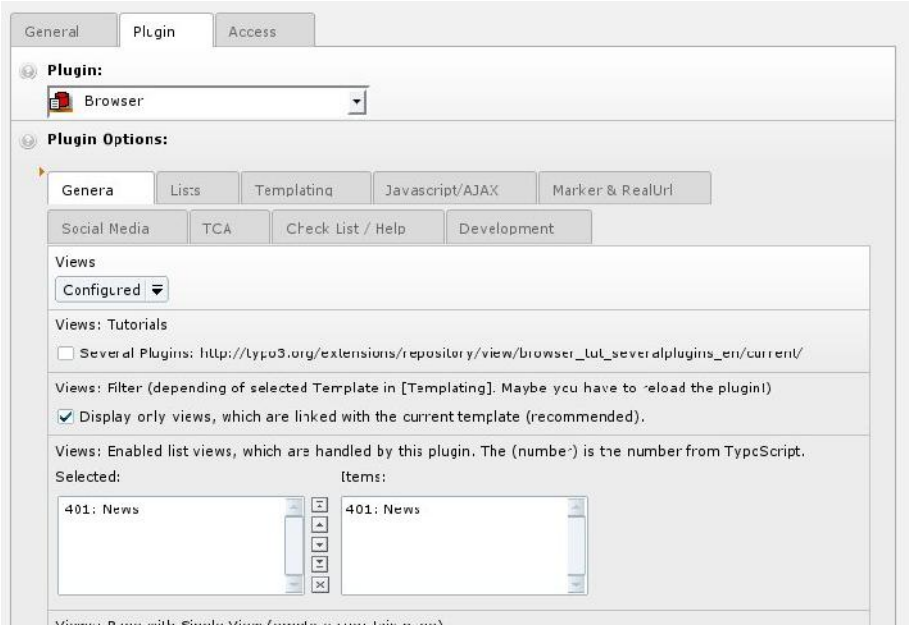

Illustration 8: Tab [General] - Example

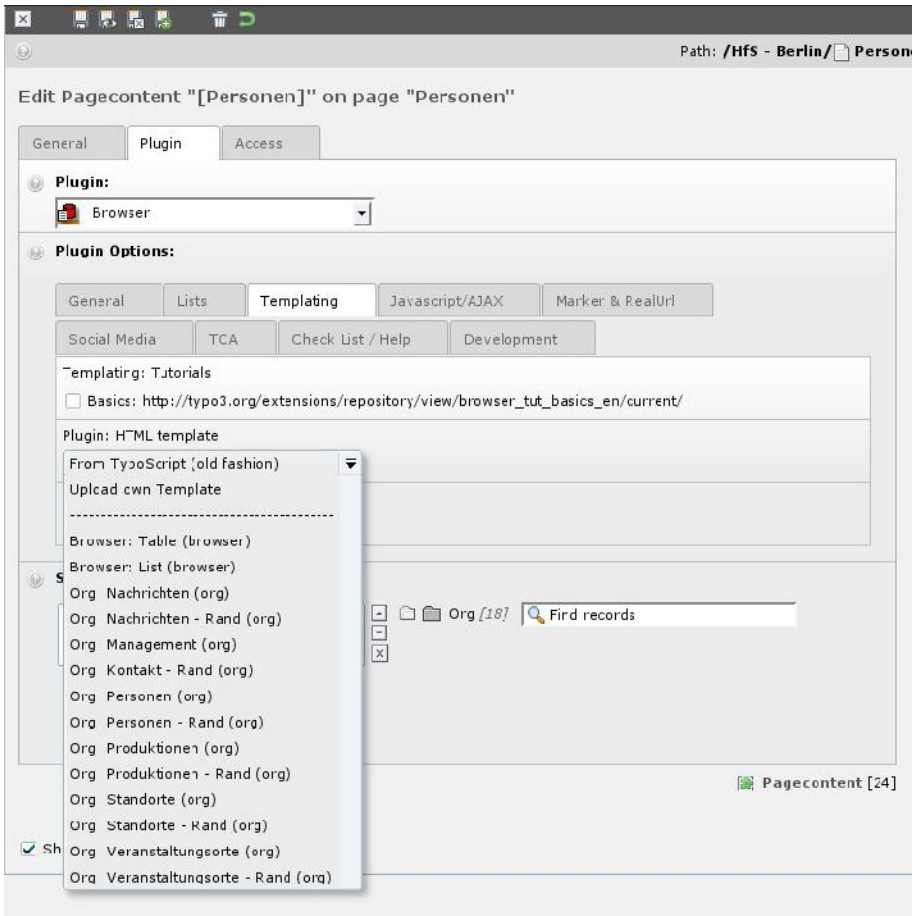

Illustration 9: Tab [Templating] - Example with the extension Organiser (org)

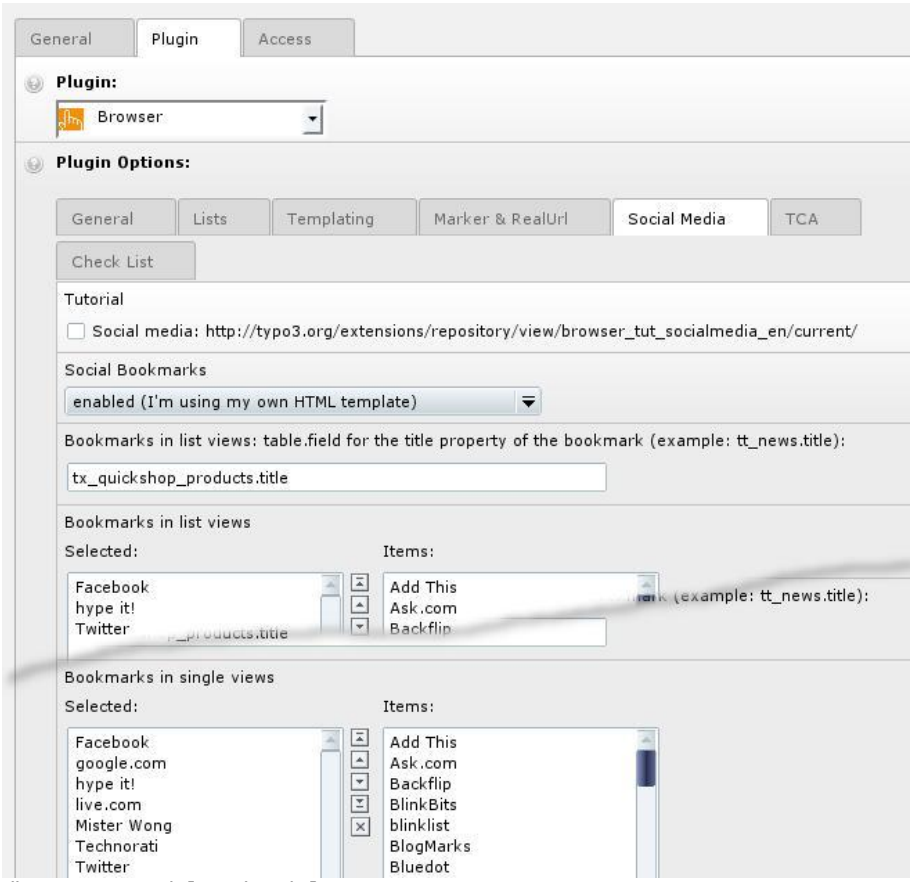

Illustration 10: Tab [Social Media]

Introduction

Revolution for TYPO3 developers. The Browser - the TYPO3-Frontend-Engine - turns any field of the database into a TypoScript object. Extensions don't neither need any PHP code nor any own plugin any longer. Developers can save up to 85 percent of there operating expense.

What does it do?

- The Browser separates backend logic and frontend logic.
- The Browser provides data in the frontend from any backend database.
- The extension simplifies the team play of HTML templates and TypoScript.
  Example with tt_news: The typoscript code "select = tt_news.title" and the HTML marker ###TT_NEWS.TITLE### will display news titles in list and single views in the frontend.
- The Browser discovers relations between tables like tt_news and tt_news_cat automatically. It displays data of related tables in list and single views. The extension builds the SQL relations automatically. If it fails, it is possible to configure the relations manually.
- With one line TypoScript you will get a result list with a search form, a record browser and an a-z-browser for your tt_news records or for any other tables of any other extension. With one line TypoScript more you will get a single display of your record.
- The extension tries to detect the type of fields automatically. It renders images as images and handles documents as documents and displays it with the mime type icon.
- SEO, Search Engine Optimisation, is integrated.
- The Browser has it's own search engine and it offers filters. You can filter for data areas like 2009 to 2011 or 10.000 EUR to 20.000 EUR
- The Browser has an AJAX module.
- The Browser simplifies the publishing of data in XLM format like RSS feeds.
- The Browser is multiple plugin able: You can use the Browser plugins on a page unlimited.
- piVars are available in the TypoScript. For example: A user searches for 'browser'. The search word is stored in the piVar tx_browser_pi1[sword]. You can display the search word 'browser' in your template with the marker ###SWORD### everywhere.
- All values from the TYPO3 array $GLOBALS are available at runtime. $GLOBALS contains hundred and thousands of values like session ids, the data of the client browser, the data of a current frontend user among others. The Browser enables to design your HTML depending of that values and properties at runtime.
- You can integrate any template and any view into the Browser plugin/flexform for a good usability.
- The Browser has the DRS - Development Reporting System. The DRS is supporting the management and configuration of TypoScript and if you like to develop the Browser, you will get support too.
- The Browser has a Plugin, which lists Tutorials in the frontend.
- The Browser supersedes the template engine Smarty.

What do you need?

- A little experience in TypoScript.
- The extension devlog, if you want to use the logging (recommended).

Audience

- TYPO3 users and administrators, who have less knowledge about TYPO3 and TypoScript and have little demands.
- Professional TYPO3 developers and TYPO3 agencies, who have a lot of experience with TYPO3 and TypoScript and have high demands.

Obligatory Requirements

- Database MySQL. We don't have any experience with another database.

Non possible features

- The Browser doesn't support versioning.
- The Browser doesn't support different workspaces.
- The Browser hasn't any interface for frontend editing.

Manual, Tutorials, Case Stories, Forum

Manual in PDF

You find this manual as PDF file at

- doc/manual.pdf
- http://typo3.org/extensions/repository/view/browser/current/info/?tx_terfe_pi1%5BdownloadFile%5D=doc%252Fmanual.pdf

Illustration 11: PDF-Manual

New Features and Bug Reports

You find scheduled new Features and Bug Reports on TYPO3 forge. See

- http://forge.typo3.org/projects/show/extension-browser

Tutorials

There is one tutorial for a quick start in this manual below.

Illustration 12: TYPO3 Forge

Tutorial Basic - the Basics

But it is recommended to read the Tutorial Basic too, if you want to become familiar with the Browser.

- HTTP: http://typo3.org/documentation/document-library/extension-manuals/browser_tut_basics_en/current/
- PDF: http://typo3.org/extensions/repository/view/browser_tut_basics_en/current/info/?tx_terfe_pi1%5BdownloadFile%5D=doc%252Fmanual.pdf

Tutorial tt_news - the Quick Start

This is the Quick Start tutorial with a tt_news example (you can use any other extension and database).

- HTTP: http://typo3.org/documentation/document-library/extension-manuals/browser_tut_tt_news_en/current/
- PDF: http://typo3.org/extensions/repository/view/browser_tut_tt_news_en/current/info/?tx_terfe_pi1%5BdownloadFile%5D=doc%252Fmanual.pdf

Tutorials Overview

Plugin "Browsers - Tutorial"

The Browser has the plugin "Browser - Manuals" since Version 3.2.

The plugin will display a list with

- manuals,
- tutorials and
- websites

for supporting the Browser in your frontend.

The Language is English or German. The language depends on the language of your frontend.

Illustration 13: The plugin in the frontend

typo3.org

The Browser has a couple of tutorials. You find links to other tutorials in the Tutorial Basics. I.e. there are tutorials for localization and the search. Here is a link to the tutorials overview. Visit

- http://typo3.org/extensions/repository/
- and look for "browser_tut"

or click on

- http://typo3.org/extensions/repository/?tx_terfe_pi1[view]=search&no_cache=1&tx_terfe_pi1[sword]=browser_tut

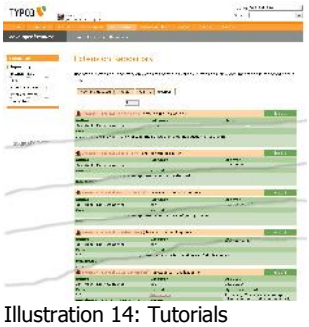

Illustration 14: Tutorials Overview on typo3.org

Case Stories

Fall Studie: gruene-autos.org

Own Database in three hours? The case study demonstrates the workflow. It is in German language only.

Eigene Datenbank in drei Stunden? Die Fall-Studie zeigt, wie es geht. Die Studie ist in Deutsch.

Online

- TYPO3-Extension Green Cars (case study is included): http://typo3.org/extensions/repository/view/green_cars/current/
- Case Study only: http://typo3.org/extensions/repository/view/green_cars/current/info/?tx_terfe_pi1%5BdownloadFile%5D=doc%252Ffall_studie.pdf
- Result of the Study: http://gruene-autos.org

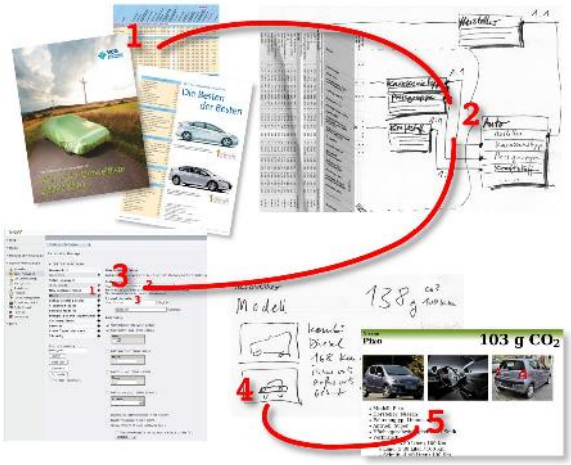

Illustration 15: Idea, database, kickstarter, Html and online

Case Story: Quick Shop

Build your own web-shop with the Browser! Quick Shop - the fastest shop in the TYPO3 history - is based on the Browser. A tutorial does explain step by step how to build your own web shop.

You can install Quick Shop with one mouse click.

Online

- TYPO3-Extension Quick Shop (case study is included): http://typo3.org/extensions/repository/view/quick_shop/current/
- Case Study only: http://typo3.org/extensions/repository/view/quick_shop/current/info/?tx_terfe_pi1%5BdownloadFile%5D=doc%252Ftutorial.pdf&cHash=4908e4a38c
- Demo site: http://quick-shop.typo3-browser-forum.de/

Illustration 16: Fastest Shop in the history of TYPO3 - Quick Shop. Build your own web shop based on the Browser.

Forum

The Browser has its own forum (leading language is German).

You are welcome to post any question, bug or snippet code at

- TYPO3-Frontend-Engine Browser: Forum http://typo3-browser-forum.de/

Illustration 17: The TYPO3-Frontend-Engine Browser Forum

Quick Installation

Extension Manager

Open the extension manager, download the extension Browser (extkey: browser) and install it.

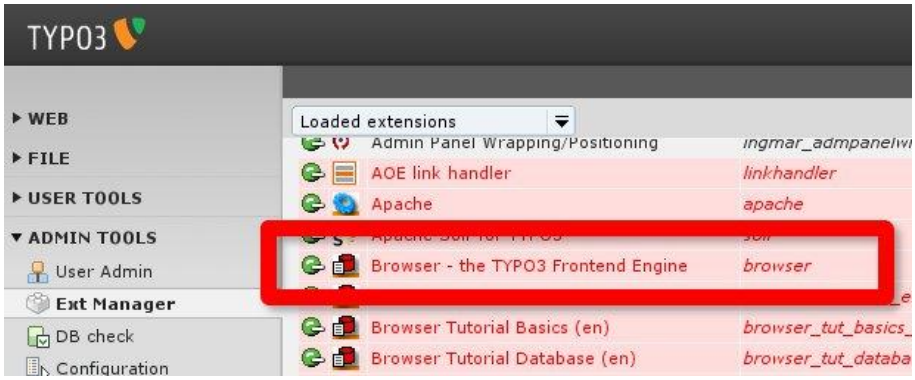

Illustration 18: Extension Manager

What do you need?

This is a trial with tt_news.

But you can take any other extension, which has own records like tt_products, cal or your own extension.

You need:

- tt_news installed
- some tt_news records

Add Page, Browser Plugin and Template

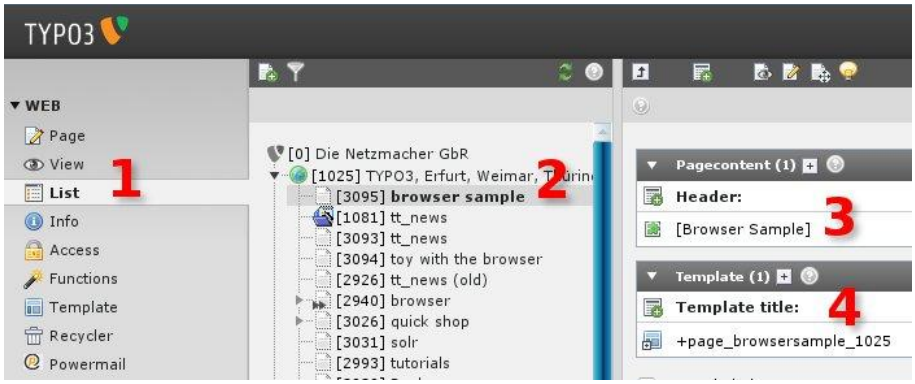

Illustration 19: The page TT-news with the Browser plugin and an extension template

1. Web > List
2. Add a page to your page tree.
   Call it "browser sample".
3. Add the Browser plugin to the page.
   Call it "[Browser Sample]".
   Set the header type to: [hidden].
   Configure the other properties later (see below).
4. Add an extension template to your page.
   Call it in the format "type_name-of-your-page_uid-of-yourTypoScript-template".
   Here: "+page_browsersample_1025"

Configuring

Template

Configure the extension template.

[General]

Paste into the field "setup" the code from below.

```
plugin.tx_browser_pi1 {
  views {
    list {
      1 {
        // [String] Name of the view. It will displayed in the plugin/flexform
        name = Browser Sample
        // [String] Select clause (don't confuse it with the SQL select)
        select (
          tt_news.title,
          tt_news.datetime,
          tt_news.image,
          tt_news.imagealttext,
          tt_news.imagetitletext,
          tt_news.image
        )
        // [String] Order By clause (don't confuse it with the SQL Order By)
        orderBy (
          tt_news.datetime DESC, tt_news.title
        )
      }
    }
    single {
      1 {
        // [String] Select clause (don't confuse it with the SQL select)
        select (
          tt_news.title,
          tt_news_cat.title,
          tt_news.short,
          tt_news.datetime,
          tt_news.bodytext,
          tt_news.image,
          tt_news.imagecaption,
          tt_news.imagealttext,
          tt_news.imagetitletext
        )
      }
    }
  }
}
```

The code should be self-explanatory.

[Includes]

Add in the tab [Includes] into the field "Include static (from extensions):" the template:

- Browser (browser)

Browser Plugin / Flexform

[Lists]

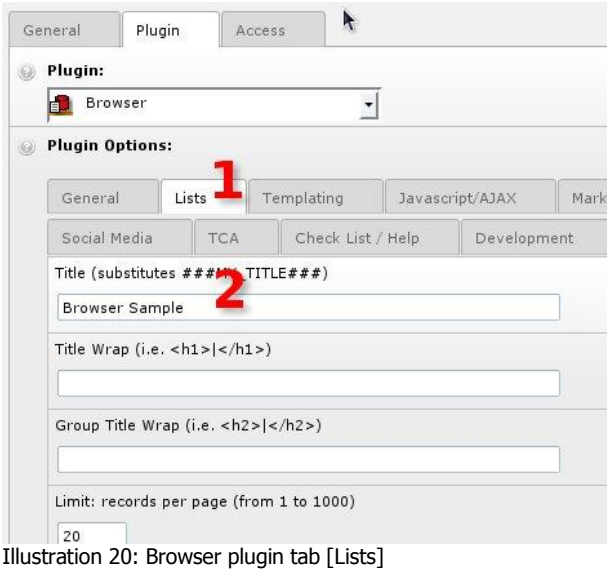

Illustration 20: Browser plugin tab [Lists]

1. Browser plugin tab [Lists]
2. Field "title": "Browser Sample"

[Templating]

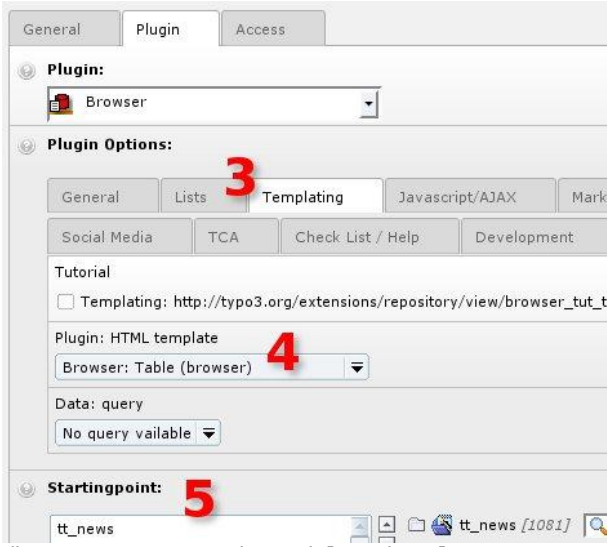

Illustration 21: Browser plugin tab [Templating]

3. Browser plugin tab [Templating]
4. Field "Plugin: HTML template: [Browser: Table (browser)]
5. Startingpoint: Your folder with the tt_news items

Result in the Frontend

Illustration 22: List view

Illustration 23: Single view

Be aware about the power of the Browser - the TYPO3-Frontend-Engine:

- You need only one line select for the output.
- The Browser formats datetime (it is a unix timestamp in the database) into a human readable format automatically.
- The Browser renders images automatically.
- The browser is building the relation from tt_news to tt_news_cat automatically.

Investigate the Browser Plugin/Flexform!

The Browser plugin/flexform has some possibilities for configuration of your views. Investigate it!

Browser Default Templates

The example above is an example with a Browser default template.

This templates are wonderful, if you want output list and single views very quick. But they are inapplicable for building own designs.

An own design will be the next step probably. In this case read the next section "Quick Start Tutorial" below.

Quick Start Tutorial

If you like another tutorial for beginners with more depth, please take a look into the tt_news sample.

It is a sample with an individual design.

The tt_news Sample

The Browser Tutorial tt_news presents a Quick Start. See

- HTML http://typo3.org/documentation/document-library/extension-manuals/browser_tut_tt_news_en/current/
- PDF: http://typo3.org/extensions/repository/view/browser_tut_tt_news_en/current/info/?tx_terfe_pi1%5BdownloadFile%5D=doc%252Fmanual.pdf

Further Steps

AJAX

Publish your data supported by AJAX!

- HTTP: http://typo3.org/documentation/document-library/extension-manuals/browser_tut_ajax_en/current/
- PDF: http://typo3.org/extensions/repository/view/browser_tut_ajax_en/current/info/?tx_terfe_pi1%5BdownloadFile%5D=doc%252Fmanual.pdf

Images

Size images and use galleries:

- HTTP: http://typo3.org/documentation/document-library/extension-manuals/browser_tut_images_en/current/
- PDF: http://typo3.org/extensions/repository/view/browser_tut_images_en/current/info/?tx_terfe_pi1%5BdownloadFile%5D=doc%252Fmanual.pdf

Filtering

Filter your data with dynamic filters:

- HTTP: http://typo3.org/documentation/document-library/extension-manuals/browser_tut_search_en/current/
- PDF: http://typo3.org/extensions/repository/view/browser_tut_search_en/current/info/?tx_terfe_pi1%5BdownloadFile%5D=doc%252Fmanual.pdf

Labelling

Label your fields:

- HTTP: http://typo3.org/documentation/document-library/extension-manuals/browser_tut_labeling_en/current/
- PDF: http://typo3.org/extensions/repository/view/browser_tut_labeling_en/current/info/?tx_terfe_pi1%5BdownloadFile%5D=doc%252Fmanual.pdf

RSS/XML - RSS Feed

Publish your data in any other formate like XML i.e: RSS feed:

- HTTP: http://typo3.org/documentation/document-library/extension-manuals/browser_tut_rss_en/current/
- PDF: http://typo3.org/extensions/repository/view/browser_tut_rss_en/current/info/?tx_terfe_pi1%5BdownloadFile%5D=doc%252Fmanual.pdf

SEO - Search Engine Optimisation

Optimise your output for search engines:

- HTTP: http://typo3.org/documentation/document-library/extension-manuals/browser_tut_basics_en/current/
- PDF: http://typo3.org/extensions/repository/view/browser_tut_basics_en/current/info/?tx_terfe_pi1%5BdownloadFile%5D=doc%252Fmanual.pdf

Templating

Build your own templates and integrate it into the Browser plugin/flexform:

- HTTP: http://typo3.org/documentation/document-library/extension-manuals/browser_tut_templating_en/current/
- PDF: http://typo3.org/extensions/repository/view/browser_tut_templating_en/current/info/?tx_terfe_pi1%5BdownloadFile%5D=doc%252Fmanual.pdf

Check List

The Browser has a check list integrated in the plugin. The check list should help to avoid slips of the pen.

Every check point is explained here in case of lack of understanding.

Language of the check list - English or German - depends on the language in your TYPO3 backend.

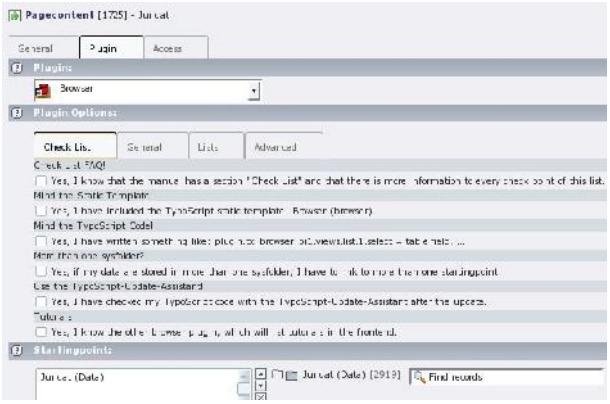

Illustration 24: Check List in English language

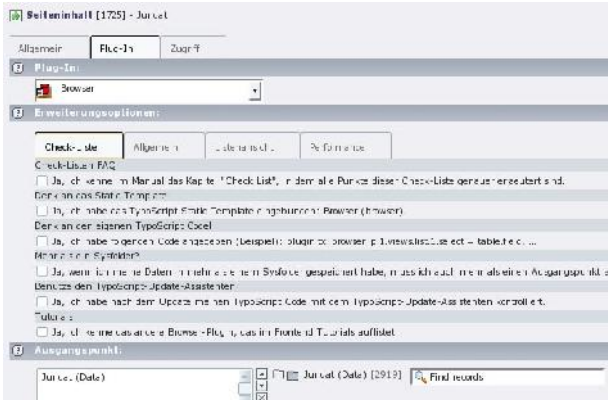

Illustration 25: Check List in German language

Title	Subject
Check Points are commented in the Manual	Yes, I know that the manual has a section "Check List" and that there is more information to every check point of this list. **No comment.**
Mind the Static Template!	Yes, I have included the TypoScript static template: Browser (browser). **Comment** Any output isn't possible without the Browser static template See section "Add Page, Browser Plugin and Template" on page 11
Mind the TypoScript Code!	Yes, I have written something like: plugin.tx_browser_pi1.views.list.1.select = table.field, ... **Comment** Any output isn't possible without own TypoScript code. See section "Error: Reference source not found" on page Error: Reference source not found
More than one sysfolder?	Yes, if my data are stored in more than one sysfolder, I have to link to more than one startingpoint **Comment** You can use tables with different pids - this is the case, if you are storing data in more than one sysfolder. Example: Your have a sysfolder like [books] for your book data. You are using the fe_users table for the authors. You store the fe_users records in a sysfolder [authors]. Than you have to set the startingpoint to both: [books] and [authors]. See section "Add Page, Browser Plugin and Template" on page 11
Use the TypoScript-Update-Assistant!	Yes, I have checked my TypoScript code with the TypoScript-Update-Assistant after the update. **Comment** Some times the developers have to clean up the TypoScript code - some property has to move to another place in the TypoScript or maybe it is replaced by a property in a plugin. The TypoScript Update Assistant investigate your TypoScript code and reports tasks, if you have to edit anything. See section "Update" on page 58
Tutorials	Yes, I know the other browser plugin, which will list tutorials in the frontend. **Comment** The Browser has a lot of tutorials with nearby 300 pages documentation. The plugin tutorial will display an overview in the frontend of your own website. See section ""Error: Reference source not found" on page Error: Reference source not found

DRS - Development Reporting System

DRS means Development Reporting System. The DRS is supporting the management of TypoScript and if you like to develop the Browser, you will get support too.

You will get information about the work flow and the TypoScript configuration, if you choose one of the options of the DRS (see image below).

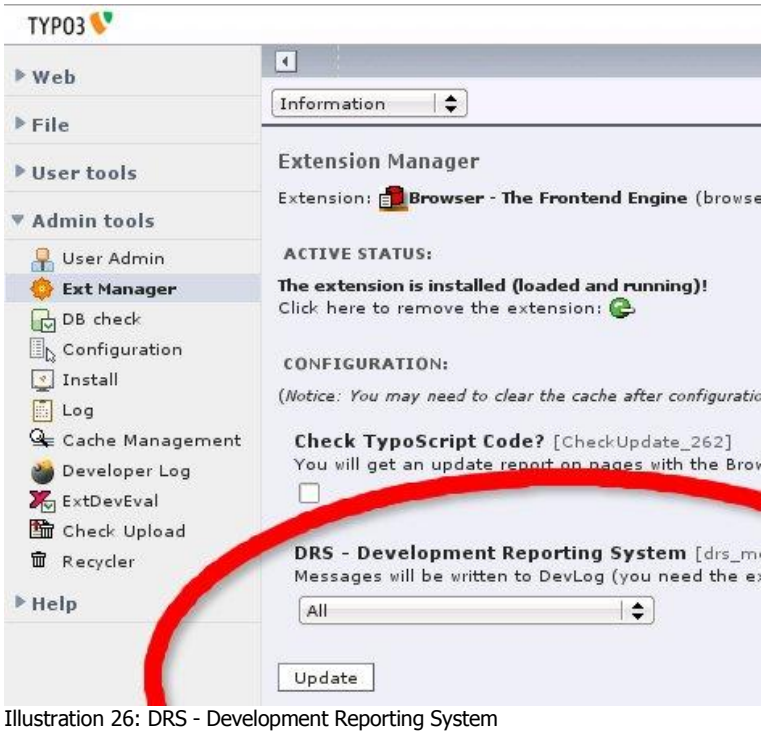

Illustration 26: DRS - Development Reporting System

You need the extension devlog

Without the extension devlog you won't get any message in the backend.

Configuring devlog

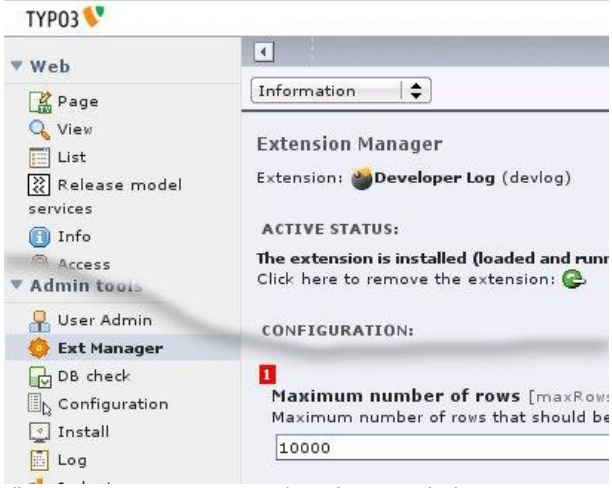

Illustration 27: Maximum number of rows in devlog

The default maximum number of rows is 1.000 in the devlog configuration.

If you want enjoy all devlog messages from the DRS, please set the maximum number of rows to 10.000.

Options

- Don't log anything
  This should be the default.

- Auto Discover development
  Helpful for investigate TCA issues and the self-acting wrapping of fields.
- Filter and Category Menu
- Labeling Support
  Helpful for investigate Labeling issues (_LOCAL_LANG).
- Localization
  Helpful, if you are want to use localized tables and extensions.
- pageBrowser or A-Z-Browser
  Helpful for investigate record browser issues.
- Performance
  If you want to know, how many time the Browser needs ...
- Plugin
  Report about processing of the values you left in the plugin.
- Realurl
  Helpful for investigate your Real URL configuration.
- Search Engine Optimisation
  Helpful for investigate Search Engine Optimisation (SEO).
- SQL development
  Helpful for investigate SQL issues.
- Templating
  Logs in context of HTML template building
- Typoscript Update Checker
- All
  All includes Errors and Warnings and all DRS options. You will get a long list of logs, but this list will be the best, if you want to know all about the work flow of the Browser and your TypoScript configuration.

Debugging SQL statements

Browser display every SQL statement. You can check, if Browser is building a query with the expected relations and according to TYPO3 frontend rights and things like hidden records.

If you have any problem, you can copy the SQL statement to PhpMyAdmin and you will get qualified error messages.

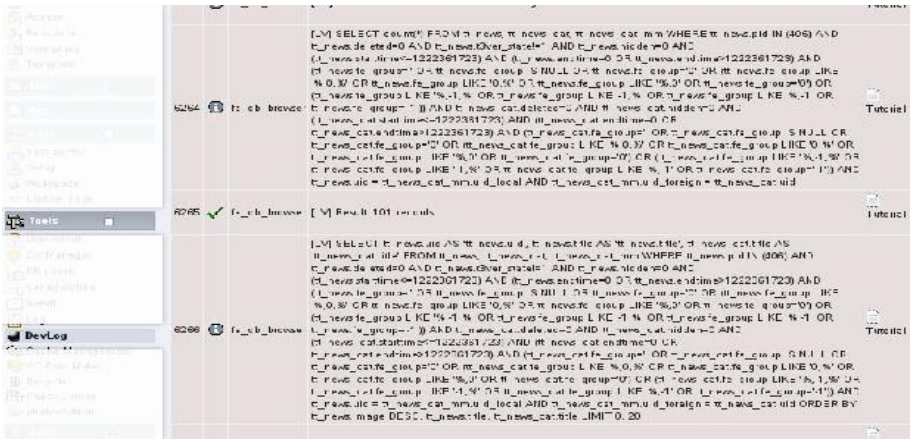

Illustration 28: SQL statements

Debugging _LOCAL_LANG

You get a report for every mode select field (tab), every table summary, table caption and every table field, which hasn't any translation in _LOCAL_LANG.

Illustration 29: Logs for missing items in the _LOCAL_LANG array

Reference

General (global arrays)

Property:	Data type:	Description:	Default:

template	array
	-> Local
		Integration of your template in the Browser plugin/flexform
		
		Tutorial:
		http://typo3.org/documentation/document-library/extension-manuals/browser_tut_templating_en/current/
		
		Example:
		
		`plugin.tx_browser_pi1 {`
		`  template {`
		`  extensions {`
		`  // BEGIN of your configuration`
		`  // [String/Array] extension key`
		`  org {`
		`  // [String/Array] template name (inern)`
		`  news {`
		`  // [String] name for plugin/flexform`
		`  name = Org: Nachrichten`
		`  // [String] path to the template`
		`  file = EXT:org/res/news/401/default.tmpl`
		`  // [Integer/CSV] Comma seperated list of`
		`  //  the views id, which can process`
		`  //  the template`
		`  csvViews  = 401`
		`  }`
		`  }`
		`  // END of your configuration`
		`  }`
		`  }`
		`}`	

localTable	-> Local		
autoconfig	-> Local		

format	array	Configuration for the PHP method strftime().
		• strftime (format string):
		PHP format (see PHP Documentation "Date and Time Functions", method strftime()
		• strftime.utf8_encode (boolean):
		If you have problems with multi byte chars like German Umlaute (Ä,Ö,Ü, ß), activate or deactivate this property
		
		Example:
		`plugin.tx_browser_pi1 {`
		`  format {`
		`  strftime = %a, %d.%b.%y`
		`  strftime {`
		`  utf8_encode = 1`
		`  }`
		`  }`
		`}`
			See the example

Property:	Data type:	Description:	Default:
pagebrowser	array	Configuration of the pagebrowser. The pagebrowser is only available in list views. It's possible to hide it by TypoScript (see property displayList on page 26). If you want to know more, please read the Reference in the tt_news manual pageBrowser.[options] If the a-z_Browser is active, all results are depending on the current selection of the a-z_Browser. I.e the tab "A" of the a-z_Browser is active and there are 40 items with the first letter "A", the pageBrowser will display two tabs for the first 20 results and the second 20 results. **Example:** `plugin.tx_browser_pi1 {` `  pageBrowser {` `  maxPages = 10` `  results_at_a_time = 20` `  showResultCount = 1` `  dontLinkActivePage = 1` `  tableParams = \` `  cellpadding="2" align="center"` `  showFirstLast = 1` `  pagefloat = center` `  showRange = 1` `  wrap {` `  disabledLinkWrap = \` `  <span class="SCell">|</span>` `  inactiveLinkWrap = |` `  activeLinkWrap = \` `  <span class="SCell">|</span>` `  showResultsWrap = | ` `  showResultsNumbersWrap =` `  browseBoxWrap =` `  browseLinksWrap = |` `  }` `  }` `}`	See the example
a-z_Browser	-> a-z_Browser		See page 29
general_stdWrap	-> Local		

modeSelector.wrap	string	Wrapping of the items in the tabs (mode selector) before wrapped with a link. Sometimes it is useful for the CSS.
		
		Example:
		`plugin.tx_browser_pi1 {`
		`  modeSelector.wrap = <span>|</span>`
		`}`
			empty

document_stdWrap	-> Local		
displaySingle	-> Local		
displayList	-> Local		
upload	-> Local		
advanced	-> Local		
views	array	See the reference table "Views" below (page 22)	
andWhere	-> Local	See the property "n.andWhere" below (page 39)	
marker	-> Local		
_LOCAL_LANG	array	See the reference table "_LOCAL_LANG" below (page 44)	

Local (every view)

Local is a special property in Browser:

- Every property is the default for all views.
- But you can copy the properties to every view.
  Thus it is possible to configure each view differently with a minimum off input

Example

The case: you need for the list view 1 another template.

Line 2: You copy the property array template

Line 3: You change the value of the field you need.

The benefit is, that the changing has no effect to other views.

```
1.plugin.tx_browser_pi1.views.list.1 {
2.  template < plugin.tx_browser_pi1.template
3.  template.file = fileadmin/templates/my.tmpl
4.}
```

There is another example for the property displayList in the tutorial "Tutorial Basics".

Property:	Data type:	Description:	Default:

template	array	file: Path to the default HTML template.
		
		Tutorial:
		See "Tutorial Basiscs"
		
		Example:
		`plugin.tx_browser_pi1.template {`
		`  file = EXT:browser/res/default.tmpl`
		`}`
			See the example

autoconfig	-> autoconfig		

localTable	string / array	file: Path to the default HTML template.
		
		Tutorial:
		See "Tutorial Basiscs"
		
		Example:
		`plugin.tx_browser_pi1.template {`
		`  localTable = tt_news`
		`  localTable {`
		`  uid = uid`
		`  pid = pid`
		`  }`
		`}`	

upload	string	Path to upload folder of your images or documents
		
		Example:
		`plugin.tx_browser_pi1 {`
		`  upload = uploads/tx_ships`
		`}`
			empty

general_stdWrap	array	Text will be wrapped as RTE-Text, but without any <p>-tags.
		If a field has the property handleAs = text, it won't be processed with general_stdWrap but with displayList.content_stdWrap or displaySingle.content_stdWrap. See the example in displaySingle.content_stdWrap.
		
		Example:
		`plugin.tx_browser_pi1 {`
		`  general_stdWrap < lib.parseFunc_RTE`
		`  general_stdWrap {`
		`  parseFunc {`
		`  nonTypoTagStdWrap {`
		`  encapsLines {`
		`  nonWrappedTag >`
		`  }`
		`  }`
		`  }`
		`  }`
		`}`
			See the example

Property:	Data type:	Description:	Default:

document_stdWrap	array	Wrapping of fields which should handled as documents.
		
		Example:
		`plugin.tx_browser_pi1 {`
		`  document_stdWrap {`
		`  icon = 1`
		`  stdWrap {`
		`  noTrimWrap = || |`
		`  }`
		`  }`
		`}`
			See the example

displaySingle	array	Configuration of
		• the display of markers in the frontend and
		• images
		• in a single view.
		It is nearby the displaySingle property in the extension tt_news.
		If you want to know more, please read the Reference in the tt_news manual.
		The SEO fields title, description and keywords have the stdWrap property.
		
		Tutorials:
		Tutorial Basics
		Tutorial Images
		
		Example:
		`plugin.tx_browser_pi1.displaySingle {`
		`  seo {`
		`  htmlHead {`
		`  title = 0`
		`  meta {`
		`  description = 0`
		`  keywords = 0`
		`  }`
		`  }`
		`  }`
		`  display {`
		`  title = 1`
		`  table {`
		`  summary = 1`
		`  caption = 1`
		`  }`
		`  backbutton = 1`
		`  searchform {`
		`  wrapSwordInResults = 1`
		`  wrapSwordInResults {`
		`  0.wrap = <span style="background:#ffff7f">\`
		`  |</span>`
		`  ...`
		`  }`
		`  }`
		`  }`
		`  templateMarker = ###TEMPLATE_SINGLE###`
		`  imageCount = 4`
		`  imageWrapIfAny = \`
		`  <div class="news-single-img"> | </div>`
		`  content_stdWrap {`
		`  parseFunc < lib.parseFunc_RTE`
		`  }`
		`  caption_stdWrap {`
		`  wrap = \`
		`  <p class="news-single-imgcaption"> | </p>`
		`  trim = 1`
		`  }`
		`  imageBoxWrap {`
		`  // [String] Wrap code for every \`
		`  image/imagecaption block`
		`  wrap = <span class="single-imagebox \`
		`  single-imagebox-###IMAGE_COUNT###">`
		`| \`
		`  </span>`
		`  }`
			See the example

Property:	Data type:	Description:	Default:

		image {
		// [String] path and file name of the image, \
		which should displayed, if a record hasn't \
		any image
		file = EXT:browser/res/images/\
		alternate_image_400x300.gif
		file.maxW = 240
		file.maxH = 180
		wrap =
		imageLinkWrap = 1
		imageLinkWrap {
		enable = 1
		bodyTag = <body bgColor="#ffffff">
		wrap = <a href="javascript:close();"> | </a>
		width = 500m
		height = 500
		JSwindow = 1
		JSwindow {
		newWindow = 1
		expand = 17,20
		}
		}
		}
		firstImageIsPreview = 0
		forceFirstImageIsPreview = 0
		}	

Property:	Data type:	Description:	Default:
displayList	array	Configuration of • the display of markers in the frontend and • images • in a list view. It is nearby the displayList property in the extension tt_news. If you want to know more, please read the Reference in the tt_news manual. The SEO fields title, description and keywords have the stdWrap property. **References:** See n.displayList.display on page 42. **Example:** `plugin.tx_browser_pi1.displayList {` `  singlePid =` `  seo {` `  htmlHead {` `  title = 0` `  meta {` `  description = 0` `  keywords = 0` `  }` `  }` `  }` `  display {` `  searchform {` `  ...` `  wrapSwordInResults = 1` `  wrapSwordInResults {` `  0.wrap = <span style="background:#ffff7f">\` `  |</span>` `  ...` `  }` `  }` `  table {` `  summary = 1` `  caption = 1` `  }` `  jssAlert = 1` `  }` `  templateMarker = ###TEMPLATE_LIST###` `  # Don't display caption in List view` `  caption_stdWrap.if.directReturn = 0` `  imageCount = 1` `  imageWrapIfAny =` `  imageBoxWrap {` `  // [String] Wrap code for every \` `  image/imagecaption block` `  wrap = <span class="list-imagebox \` ` list-imagebox-###IMAGE_COUNT###">	\` ` </span>` ` }` ` image {` ` // [String] path and file name of the image, \` ` which should displayed, if a record hasn't \` ` any image` ` file = EXT:browser/res/images/\` ` alternate_image_400x300.gif` ` file.maxW = 120` ` file.maxH = 90` ` imageLinkWrap = 1` ` imageLinkWrap {` ` enable = 1` ` bodyTag = <body bgColor="#ffffff">` ` wrap = <a href="javascript:close();">	</a>` ` width = 500m` ` height = 500` ` JSwindow = 1` ` JSwindow {` ` newWindow = 1` ` expand = 17,20` ` }` ` }`	See the example singlePid: Default is the current page id

Property:	Data type:	Description:	Default:

		master_templates {
		selectbox = SELECTBOX
		selectbox {
		... -> See "Browser Tutorial Search"
		}
		}
		}	

displayList. selectBox_orderBy		You will get a select box for ordering records in the list view, if you don't use the marker ###ITEM###.
		Tutorial:
		Browser Tutorial Marker (en)
		
		Example:
		plugin.tx_browser_pi1.displayList {
		selectBox_orderBy {
		// [Boolean] 1: Display the select box for
		// ordering (default), 0: don't display.
		display = 1
		templateMarker =
		###TEMPLATE_SELECTBOX_VALID###
		selectbox = SELECTBOX
		selectbox {
		...
		}
		}
		}	

andWhere	-> array	See the property "n.andWhere" below (page 39)	
advanced	-> array	See the section Advanced below	
views.list	*-> view.list*	See table "views.list" below on page 27.	
views.single	*-> view.single*	See table "views.single" below.	
_LOCAL_LANG	*-> _LOCALLANG*	See table "_LOCAL_LANG" below on page 44.	

Advanced

You should configure the array advanced only, if you are familiar with the Browser.

Advanced is local available. TypoScript snippet:

```
1.plugin.tx_browser_pi1.views.single.1 {
2.  advanced < plugin.tx_browser_pi1.advanced
3.  advanced.sql.devider.childrenRecords >
4.}
```

Property:	Data type:	Description:	Default:
development	array	Please read the comment in the TypoScript code. And sorry, that there isn't any other documentation.	
performance	array	Please read the comment in the TypoScript code. And sorry, that there isn't any other documentation.	

recursionGuard	int	The Browser uses some methods recursive. The recursion guard prevents unlimited loops and take care about performance.
		
		You can increase the value of the recursion guard.
		
		Example:
		`plugin.tx_browser_pi1.advanced {`
		`  recursionGuard = 10000`
		`}`
			10000

localization	-> array	See the section Localization below.	
realUrl	-> array	See the section realUrl in the Reference below.	
security	array	Please read the comment in the TypoScript code. And sorry, that there isn't any other documentation.	
sql	array	Please read the comment in the TypoScript code. And sorry, that there isn't any other documentation.	
tca	array	Please read the comment in the TypoScript code. And sorry, that there isn't any other documentation.	

a-z_Browser

You can display your matched items with the A-Z-Browser like the examples below:

- Default

```
All | 0-9 | A | B | ... | XYZ | Others
```

- A small one

```
All | 0-9 | A-E | F-J | K-P | R-Z | Others
```

Tutorial

See Tutorial Navigation:

- HTML: http://typo3.org/extensions/repository/view/browser_tut_navigation_en/current/
- PDF: http://typo3.org/extensions/repository/view/browser_tut_navigation_en/current/info/?tx_terfe_pi1%5BdownloadFile%5D=doc%252Fmanual.pdf

Property:	Data type:	Description:	Default:

a-z_Browser	a-z_Browser	Array for configuring the a-z-browser
		
		display.tabWithoutItems (boolean):
		• 1: A tab will be displayed in any case, if a tab hasn't any result it will be displayed too.
		• 0: A tab will be displayed only, if it has a result.
		• display.tabWithoutItems can be overwritten by tabs.X.displayWithoutItems (see below)
		display.tabHrefTitle (boolean):
		• 1: The link of a tab will get a-title property like <a href="..." title="10 items">...
		• 0: The link of a tab won't get any title property
		display.tabWithoutItems can be overwritten by tabs.X.displayWithoutItems (see below)
		defaultTab (integer):
		• The id of the current tab, if the user hasn't choose any tab.
		defaultTab.display_in_url (boolean):
		• 0 (default): Don't display default tab name in URL like: .../service/
		• 1: Display default tab name in URL like: .../service/A-Z/All/
		defaultTabWrap (string):
		• The default wrap for all tabs inside the href. Example: |
		• If you need a wrap only for one tab, please iuse the wrap property of the tab.
		caseSensitive (boolean):
		• 1: The values in tab.*X*.valuesCSV are case sensitive.
		• 0: The values in tab.*X*.valuesCSV aren't case sensitive.
		field:
		• Default is the first table.field element of the current view (first value in view.list.*X*.select
		• If you need another field for your a-z-browser, please define it in the variable field in the syntax table.field. Example: tt_news.title
		• field is only respected in a view (local) and not in the global array.
		tabs: See tabs on page 31 below.
		charset (string: auto | iso | utf):
		• Default is auto. I. e.: if you have a database in a one byte format (like ISO), the a-z_Browser will use one byte methods. If the database has a multi byte format (like UTF-8), the a-z_Browser will use multi byte methods.
		• If you have any problems with so called German Umlaute or other multi byte chars, try to set the char set manually. Possible values are iso or utf.
		
		Example:
		`plugin.tx_browser_pi1.a-z_Browser {`
		`  display {`
		`  tabWithoutItems = 1`
		`  tabHrefTitle = 1`
		`  }`
		`  defaultTab  = 0`
		`  defaultTab {`
		`  realURL = 1`
		`  }`
		`  caseSensitive = 0`
		`  field =`
		`  tabs {`
		`  ...`
		`  }`
		`  charset = auto`
		`}`	

Property:	Data type:	Description:	Default:

a-z_Browser.tabs	array	Array with the tabs (like A, B, C, ... or A-E, F-J, ...) in the a-z-browser
		
		tab.*X* = name of the tab. Examples
		• A
		• 0-9
		• 0-Z
		tab.*X*.valuesCSV (comma seperated values). Examples:
		• tab.*X* is A: proper valuesCSV for a German list would be a and ä
		• tab.*X* is A-E: proper valuesCSV for a German list would be a, ä, b, c, d and e
		tab.*X*.wrap (string):
		• The wrap for the tab.
		• If you need the same wrap for all tabs, please use the property
		a-z_Browser.defaultTabWrap
		tab.*X*.stdWrap
		• stdWrap property. Important in context of localization (see examples in the tutorial "Page Browser and A-Z-Browser above)
		tab.*X*.special
		• all: Will display all records of the result list
		• others: Will display all records, which don't match any value in the valuesCSV of any tab
		tab.*X*.displayWithoutItems (boolean):
		• Default: 1
		• 1: The tab will be displayed in any case, if the tab hasn't any result it will be displayed too.
		• 0: The tab will be displayed only, if it has a result.
		• tabs.X.displayWithoutItems overwrites display.tabWithoutItems (see above)
		
		Example:
		`plugin.tx_browser_pi1.a-z_Browser.tabs {`
		`  0 = All`
		`  0 {`
		`  special = all`
		`  stdWrap {`
		`  lang.de = Alle`
		`  }`
		`  }`
		`  1 = 0-9`
		`  1 {`
		`  valuesCSV = 0,1,2,3,4,5,6,7,8,9`
		`  }`
		`  2 = A`
		`  2 {`
		`  valuesCSV = a,ä`
		`  }`
		`  3 = C`
		`  3 {`
		`  valuesCSV = c`
		`  }`
		`  ...`
		`  26 = Z`
		`  26 {`
		`  valuesCSV = z`
		`  }`
		`  27 = Others`
		`  27 {`
		`  special = others`
		`  displayWithoutItems = 0`
		`  }`
		`}`	

autoconfig

Tutorial

- HTTP: http://typo3.org/documentation/document-library/extension-manuals/browser_tut_database_en/current/
- PDF: http://typo3.org/extensions/repository/view/_tut_database_en/current/info/?tx_terfe_pi1%5BdownloadFile%5D=doc%252Fmanual.pdf

Property:	Data type:	Description:	Default:
relations	array	Array with your list views. **Tutorial:** Tutorial Databases **Example:** `plugin.tx_browser_pi1.autoconfig { relations = 1 relations { oneWayOnly = 1 simpleRelations = 0 simpleRelations { selfReference = 0 } mmRelations = 1 TCAconfig { type = 1 type { csvValue = select } } csvDontUseFields = left_join = 1 } }`	
autoDiscover	array	**Example:** `plugin.tx_browser_pi1.autoconfig { }`	See table Local

AJAX

See Tutorial AJAX:

- HTTP: http://typo3.org/documentation/document-library/extension-manuals/browser_ajax_en/current/
- PDF: http://typo3.org/extensions/repository/view/browser_ajax_en/current/info/?tx_terfe_pi1%5BdownloadFile%5D=doc%252Fmanual.pdf

Localization

```
plugin.tx_browser_pi1.advanced.localization
```

Tutorial

- HTTP: http://typo3.org/documentation/document-library/extension-manuals/browser_tut_localization_en/current/
- PDF: http://typo3.org/extensions/repository/view/_tut_localization_en/current/info/?tx_terfe_pi1%5BdownloadFile%5D=doc%252Fmanual.pdf

realURL

Property:	Data type:	Description:	Default:

realURL	array	Array for configuring realURL in context with localization.
		
		defaultLanguageLink (boolean):
		• Default: 1
		• 0: Link to the single with the uids of the current records
		• 1: Link to the single with the uids of the default language records
		
		Background:
		The extension realurl is using the uid of the default language records usually.
		- Advantage
		• You can switch the languages in single mode.
		- Disadvantage
		• The realurl path is using the record segment in default language in every language
		You change this behavior:
		The extension realurl is using than the uid of the current record.
		- Advantage
		• The realurl path is using the record segment in the current language.
		- Disadvantage
		• You can't switch the languages in single mode.
		
		Example:
		`plugin.tx_browser_pi1.advanced.localization {`
		`  realURL {`
		`  defaultLanguageLink = 1`
		`  }`
		`}`
			1

TCA

Property:	Data type:	Description:	Default:

TCA	array	Array for configuring TCA behavior in context with localization.
		
		TCA.field.appendix (string):
		Fields with this appendix will be used for translation. I.e. The overlay value from tt_news_cat.title_lang_ol will overwrite the value in tt_news_cat.title
		• Default: lang_ol
		
		TCA.value.devider (string):
		Devider for seperating language entries like de:Aufmacher|fr:Accroche or Aufmacher|Accroche
		• Default: |
		
		TCA.value.langPrefix (boolean):
		• Default: 1
		• 1: lang_ol values have a lang_prefix like en:Lead Story| de:Aufmacher|fr:Accroche
		• 0: lang_ol values are without lang_prefix like Lead Story| Aufmacher|Accroche
		
		Example:
		`plugin.tx_browser_pi1.advanced.localization {`
		`  TCA {`
		`  field {`
		`  appendix = _lang_ol`
		`  }`
		`  value {`
		`  devider = |`
		`  langPrefix = 1`
		`  }`
		`  }`
		`}`
			lang_ol
			
			|
			
			1

realUrl.linkToSingle

```
plugin.tx_browser_pi1.advanced.realUrl.linkToSingle
```

Tutorial

- HTTP: http://typo3.org/documentation/document-library/extension-manuals/browser_tut_realurl_en/current/
- PDF: http://typo3.org/extensions/repository/view/_tut_realurl_en/current/info/?tx_terfe_pi1%5BdownloadFile%5D=doc%252Fmanual.pdf

realURL

Property:	Data type:	Description:	Default:
realURL	array	Array for configuring realURL in context of SEO - Search Engine Optimisation. You can control links to a single view with the properties below. You can add your own piVars, if it would be necessary. **Background:** It would be the best to have a link to a single view only with the page id and the id of the record. Than you will have a short URL and a unique URL. If you have some more parameters, they will enable to visit the same content with different URL. Search Engines don't like this, because it seems, that you provide double content. **Tutorial:** Browser Tutorial RealURL (en), extkey: browser_tut_realurl_en **Example:** `plugin.tx_browser_pi1.advanced.realUrl { linkToSingle realURL { dont_display_piVars = 1 dont_display_piVars { azTab = 1 mode = 1 pointer = 1 plugin = 1 sort = 1 sword = 0 } } }`	

RSS/XML

See Tutorial RSS/XML:

- HTTP: http://typo3.org/documentation/document-library/extension-manuals/browser_rss_en/current/
- PDF: http://typo3.org/extensions/repository/view/browser_rss_en/current/info/?tx_terfe_pi1%5BdownloadFile%5D=doc%252Fmanual.pdf

Templating

See Tutorial Templating:

- HTTP: http://typo3.org/documentation/document-library/extension-manuals/browser_templating_en/current/
- PDF: http://typo3.org/extensions/repository/view/browser_templating_en/current/info/?tx_terfe_pi1%5BdownloadFile%5D=doc%252Fmanual.pdf

views.list

Property:	Data type:	Description:	Default:

n	array	Array with your list views.
		
		Example:
		`plugin.tx_browser_pi1.views.list {`
		`  1 {`
		`  ...`
		`  }`
		`}`	

n.name	string	Name of the list view. Name will be displayed in the plugin.
		
		Example:
		`plugin.tx_browser_pi1.views.list {`
		`  1 {`
		`  name = Organiser: Events`
		`  }`
		`}`	

n.template	array	**Example:**
		`plugin.tx_browser_pi1.views.list {`
		`  1 {`
		`  template < plugin.tx_browser_pi1.template`
		`  temlate {`
		`  ...`
		`  }`
		`  }`
		`}`
			See table Local

n.relations.*type*	array	Array with your database relations.
		type is mm only until now.
		
		Commendation:
		You can build the relation for all possibilities you need and copy it to every view (like the example above).
		Browser will use only the relations, it need for building the query of the view.
		
		Tutorial:
		Tutorial Database
		
		Debugging:
		See "Debugging SQL statements" on page 19.
		
		Example:
		`plugin.tx_browser_pi1.views.list {`
		`  1 {`
		`  relations.mm = ...`
		`  ...`
		`  }`
		`  2 < .1`
		`}`	

n.record	array	Array with
		• the uid field name of the main record (the record with the id for the link to a single view)
		• the pid field name of the main record.
		
		Example:
		`plugin.tx_browser_pi1.views.list {`
		`  1 {`
		`  record {`
		`  uid = tx_ships_main.uid`
		`  pid = tx_ships_main.pid`
		`  }`
		`  }`
		`}`	

Property:	Data type:	Description:	Default:

n.select	string, stdWrap	The query with the field names, which you want display in the frontend. You don't need the uid and the pid of the main record (see property record above).
		Browser builds SQL statements according to the limit by TYPO3 - i. e. fe-user-rights, hidden records.
		
		Tutorial:
		See Tutorial Quick Start above
		Tutorial Basics
		
		Debugging:
		See "Debugging SQL statements" on page 19.
		
		Example:
		`plugin.tx_browser_pi1.views.list {`
		`  1 {`
		`  select = tt_news.title, tt_news_cat.title`
		`  }`
		`}`
		
		`plugin.tx_browser_pi1.views.list {`
		`  1 {`
		`  select = COA`
		`  select {`
		`  10 = TEXT`
		`  10 {`
		`  value = tt_news.title`
		`  lang {`
		`  de = tt_news.title_de`
		`  }`
		`  wrap = |,`
		`  }`
		`  20 = TEXT`
		`  20 {`
		`  value = tt_news_cat.title`
		`  lang {`
		`  de = tt_news_cat.title_de`
		`  }`
		`  wrap = |,`
		`  }`
		`  }`
		`  }`
		`}`	

n.showUid	string	You can set the name for the piVar[showUid]. It is helpfull, if you are use more than one plugin with different databases like 'tt_news' and 'fe_users' for example - and if your are using realUrl.
		
		In the case below the record id of the first list view will get the parameter tx_browser_pi1[showUid]=X - this is the default, now alias for the showUid isn't configured.
		The record id of the second list view will get the parameter tx_browser_pi1[feuserUid]=X
		
		Example:
		`plugin.tx_browser_pi1.views.list {`
		`  1 {`
		`  ...`
		`  }`
		`  2 {`
		`  showUid = feusersUid`
		`  }`
		`}`	

Property:	Data type:	Description:	Default:
n.select.deal_as_table	array	If you are using the SQL manual mode with aliases, you have to help the Browser to allocate the proper table for operations. There is the array deal_as_table for this case. **Example:** `plugin.tx_browser_pi1.views.list {` `  1 {` `  select  = or.uid AS `or.uid`, \` `  CONCAT(or.or_code, ' ', or.or_name) \` `  AS `or.or_name`` `  select {` `  deal_as_table {` `  0 {` `  statement = CONCAT(or.or_code, ' ', \` `  or.or_name) AS `or.or_name` ` alias = or.or_name` ` }` ` }` ` }` ` }` `}`	

n.groupBy	string, stdWrap	If you like to display your data grouped, please use groupBy.
		The groupBy won't be a part of the SQL query but will be processed by PHP.
		Example for stdWrap see *n*.select above
		
		Example:
		`plugin.tx_browser_pi1.views.list {`
		`  1 {`
		`  groupBy = tt_news_cat.title`
		`  }`
		`}`
		
		This property is incomplete! If you are using groupBy the A-Z-Browser and the page browser can't count the records propper.	

n.groupBy.dontConsolidate	boolean	If you are group data by a field of a foreign table and you are displaying more than one field from the foreign table, it is possible, that you won't get a proper result. Try dontConsolidate in this case.
		
		Example:
		`plugin.tx_browser_pi1.views.list {`
		`  1 {`
		`  groupBy {`
		`  dontConsolidate = 1`
		`  }`
		`  }`
		`}`
			0

n.where	string, stdWrap	DANGEROUS! You can write your own where clause.
		Be aware in case of an own configuration, that you have to configure enable fields like hidden, deleted, starttime and endtime by yourself.
		Filter doesn't work in case of own where clause.
		
		Example for stdWrap see *n*.select above
		
		Example:
		`plugin.tx_browser_pi1.views.list {`
		`  1 {`
		`  where = tx_ships_special.uid = 35`
		`  }`
		`}`	

Property:	Data type:	Description:	Default:

n.andWhere	string, stdWrap	You can add any condition to the where clause.
		If you need a table field in your clause, you have to allocate the table name separated by commas to the value "tables".
		The allocated table names have to be a part of your defined relations.
		Example for stdWrap see *n*.select above
		
		Debugging:
		See "Debugging SQL statements" on page 19.
		
		Example:
		`plugin.tx_browser_pi1.views.list {`
		`  1 {`
		`  andWhere = tx_ships_special.uid = 35`
		`  }`
		`}`	

n.orderBy	string, stdWrap	You can sort every view in your own way, if you need it.
		orderBy won't be a part of the SQL query but will be processed by PHP multisort since Browser 3.1.0
		Example for stdWrap see *n*.select above
		
		Example:
		`plugin.tx_browser_pi1.views.list {`
		`  1 {`
		`  orderBy = tt_news.datetime desc, \`
		`  tt_news_cat.title`
		`  }`
		`}`
			Values from the select property

n.orderBy.*foreignTable*	string	You can order children records (foreign tables) by a SQL query.
		The code will be send as a real SQL query in contrast to the property orderBy above!
		
		Foreign table has to be the name of the foreign table like in the example below. It will be used for the table.field marker.
		In the example below the browser will handle the result of the sql query in this way:
		• uid -> tx_org_department.uid
		• title -> tx_org_department.title
		
		You will need the marker ###UID_LOCAL###. The marker will be replaced by the uid of the current local table.
		
		Browser Tutorial Database (en):
		http://typo3.org/documentation/document-library/extension-manuals/browser_tut_search_en/current/
		
		Example:
		`plugin.tx_browser_pi1.views.list {`
		`  1 {`
		`  orderBy {`
		`  tx_org_department (`
		`SELECT tx_org_department.uid AS 'uid',`
		`  tx_org_department.title AS 'title'`
		`FROM  tx_org_department,`
		`  tx_org_headquarters_mm_tx_org_department`
		`WHERE  tx_org_headquarters_mm_tx_org_department.\`
		`  uid_local  = ###UID_LOCAL###`
		`  AND  tx_org_headquarters_mm_tx_org_department.\`
		`  uid_foreign = tx_org_department.uid`
		`ORDER BY`
		`  tx_org_headquarters_mm_tx_org_department.\`
		`  sorting`
		`)`
		`  }`
		`  }`
		`}`	

Property:	Data type:	Description:	Default:

n.random	boolean	Generate records by a random order.
		
		Be aware!
		• random has priority: orderBy will be ignored!
		• the Browser plugin doesn't have to be cached
		
		No cache
		Please use the plugin "Browser (no cache)"
		The whole page will not be cached!
		
		Tutorial
		Browser Tutorial Several Plugins (en)
		Section: No Cache
		http://typo3.org/extensions/repository/view/browser_tut_severalplugins_en/current/
		
		Example:
		`plugin.tx_browser_pi1.views.list {`
		`  1 {`
		`  random = 1`
		`  }`
		`}`	

n.override	array	You can override the parts select, from, where, andWhere and orderBy of any SQL query. Every part is optional.
		The override option makes sense, if you aren't satisfied with the query statements processed by the browser.
		Every item has the stdWrap property. Example for stdWrap see *n*.select above.
		andWhere has only an effect, if you don't use where!
		
		Example:
		`plugin.tx_browser_pi1.views.list {`
		`  1.override {`
		`  select = tt_news.title AS 'tt_news.title', \`
		`  tt_news_cat.title AS \`
		`  'tt_news_cat.title'`
		`  from = ...`
		`  where = ...`
		`  andWhere = ...`
		`  orderBy = ...`
		`  }`
		`}`	

n.limit	string	Limit the result
		
		Example:
		`plugin.tx_browser_pi1.views.list {`
		`  1 {`
		`  limit = 0,3`
		`  }`
		`}`	

n.search	string	You can search in more fields than displayed.
		
		Tutorial
		Tutorial Search
		
		Example:
		`plugin.tx_browser_pi1.views.list {`
		`  1 {`
		`  search = tt_news.title, tt_news.bodytext, \`
		`  tt_news.short, tt_news_cat.title`
		`  }`
		`}`
			Values from the select property

Property:	Data type:	Description:	Default:

n.handleAs	array	You can handle fields in a special way.
		• image
		will be wrapped as an image.
		You have to configure the property upload. See table "Local" property upload on page 23.
		• imageCaption
		will be wrapped as the image caption.
		• imageAltText
		will be wrapped as the image alt tag.
		• imageTitleText
		will be wrapped as the image title tag.
		• document
		will be wrapped as link to the document with a mime type icon.
		
		Tutorial:
		Tutorial Database
		
		Example:
		`plugin.tx_browser_pi1.views.list {`
		`  1 {`
		`  handleAs {`
		`  image = tx_ships_main.images`
		`  imageCaption = tx_ships_main.caption`
		`  imageAltText = tx_ships_main.caption`
		`  imageTitleText = tx_ships_main.caption`
		`  document = tx_ships_main.documents`
		`  }`
		`  }`
		`}`	

n.csvLinkToSingleView	string	By default every item in the list links to the single view. If you don't want that, use csvLinkToSingleView (comma separated values).
		
		Example:
		`plugin.tx_browser_pi1.views.list {`
		`  1 {`
		`  csvLinkToSingleView = tt_news.title`
		`  }`
		`}`	

n.document_stdWrap	array	Copy the default configuration from document_stdWrap and change it. Wrapping of documents. See property document_stdWrap in the table "Local" on page 24. **Example:** `plugin.tx_browser_pi1.views.list {` `  1 {` `  document_stdWrap < \` `  plugin.tx_browser_pi1.document_stdWrap` `  document_stdWrap.stdWrap {` `  noTrimWrap >` `  wrap =  ` `  }` `  }` `}`	See table Local

n.displayList	array	Copy the default configuration from displayList and change it.
		Wrapping of images and configuration of displaying markers.
		See property displayList in the table "Local" on page 26.
		
		Example:
		`plugin.tx_browser_pi1.views.list {`
		`  1 {`
		`  displayList < \`
		`  plugin.tx_browser_pi1.displayList`
		`  displayList {`
		`  ...`
		`  }`
		`  }`
		`}`
			See table Local

Property:	Data type:	Description:	Default:

n.displayList.display	array	If you don't want the item, set the value to 0.
		• table.summary: use the <table summary="..."> porperty
		• table.caption: use the <table><caption>...</caption> tag
		• jssAlert: Link to a alert box, if the isn't any single view.
		
		Example:
		`plugin.tx_browser_pi1.views.list.1.displayList {`
		`  display {`
		`  table {`
		`  summary = 1`
		`  caption = 1`
		`  }`
		`  jssAlert = 1`
		`  }`
		`}`
			Like the example

n.table.field	stdWrap	Every table field has the stdWrap property.
		
		Tutorial:
		Tutorial Basics
		
		Example:
		`plugin.tx_browser_pi1.views.list {`
		`  1 {`
		`  tt_news.title {`
		`  crop = 10 | ... | 1`
		`  }`
		`  }`
		`}`	

n.marker	array, stdWrap	Every view has the marker property.
		
		Tutorial:
		Tutorial Basics
		
		Example:
		`plugin.tx_browser_pi1.views.list {`
		`  1 {`
		`  marker {`
		`  my_marker {`
		`  value = My Marker`
		`  lang.de = Mein Marker`
		`  }`
		`  }`
		`}`	

views.single

Property:	Data type:	Description:	Default:
n	array	See table views.list	

n.template	array	See property template in the table "Local" on page 23.
		
		Tutorial:
		Tutorial Basics
		
		Example:
		`plugin.tx_browser_pi1.views.single {`
		`  1 {`
		`  template < plugin.tx_browser_pi1.template`
		`  }`
		`}`
			See table Local

n.relations.*type*	array	See table views.list	
n.record	array	See table views.list	
n.select	string	See table views.list	
n.andWhere	array	See table views.list	

Property:	Data type:	Description:	Default:

n.orderBy	string	See table views.list amongst others
		
		orderBy is different from the SQL orderBy statement. There are several causes. On important cause is, that you can't order records from the local table (main table) and foreign tables (children tables) within one SQL query.
		
		Since version 3.4.3 it is possible to order children records too. See the example below:
		
		Example:
		`plugin.tx_browser_pi1.views.list {`
		`  1 {`
		`  select  = ...`
		`  orderBy (`
		`  tx_organiser_cal_mm_calentrance.sorting,`
		`  tx_organiser_calentrance.title`
		`  )`
		`  }`
		`}`
		
		Comment:
		There is this relation in the example above (you can't see it):
		tx_organiser_cal -> tx_organiser_cal_mm_calentrance \
		-> tx_organiser_calentrance
		It is like:
		event -> mm table -> entrance fees
		
		The orderBy clause from above will have the effect, that the titles of the entrance fees (values like: "students 10 EUR, adults 16 EUR, ..." will first ordered by the values of the field sorting in the mm table and second will be ordered by the title.
		The browser detects a context between mm tables and foreign tables! The orderBy clause from above will have any effect to all other children tables.
			Values from the select property

n.orderBy.*foreignTable*	string	You can order children records (foreign tables) by a SQL query. The code will be send as a real SQL query in contrast to the property orderBy above! Please refere to views.list above	
n.search	string	See table views.list	Values from the select property

Property:	Data type:	Description:	Default:

n.handleAs	array	You can handle fields in a special way.
		• title
		headline in the single view
		• image
		will be wrapped as an image.
		You have to configure the property upload. See table "Local" property upload on page 23.
		• imageCaption
		will be wrapped as the image caption.
		• imageAltText
		will be wrapped as the image alt tag.
		• imageTitleText
		will be wrapped as the image title tag.
		• text
		will be wrapped as text in the single view in the template image-text.
		• document
		will be wrapped as link to the document with a mime type icon.
		
		Tutorial:
		Tutorial Basics
		Tutorial Images
		
		Example:
		`plugin.tx_browser_pi1.views.single {`
		`  1 {`
		`  handleAs {`
		`  title = tx_ships_main.title`
		`  image = tx_ships_main.images`
		`  imageCaption = tx_ships_main.caption`
		`  imageAltText = tx_ships_main.caption`
		`  imageTitleText = tx_ships_main.caption`
		`  text = tx_ships_main.history`
		`  document = tx_ships_main.documents`
		`  }`
		`  }`
		`}`	

n.document_stdWrap	array	See table views.list	See table Local

n.displaySingle	array	Copy the default configuration from displaySingle and change it.
		Wrapping of images and configuration of displaying markers.
		See property displaySingle in the table "Local" on page 24.
		
		Example:
		`plugin.tx_browser_pi1.views.single {`
		`  1 {`
		`  displaySingle < \`
		`  plugin.tx_browser_pi1.displaySingle`
		`  displaySingle {`
		`  ...`
		`  }`
		`  }`
		`}`
			See table Local

n.table.field	stdWrap	See table views.list	

n.marker	array, stdWrap	Every view has the marker property.
		
		Tutorial:
		See "Self-defined Markers".
		
		Example:
		`plugin.tx_browser_pi1.views.list {`
		`  1 {`
		`  marker {`
		`  my_marker {`
		`  value = My Marker`
		`  lang.de = Mein Marker`
		`  }`
		`  }`
		`}`	

TT_CONTAINER

The TT_CONTAINER is deprecated! Use COA instead. See the Tutorial/Manual of Browser for BZD Staff Directory.

Tutorial / Manual

- HTTP: http://typo3.org/extensions/repository/view/browser_bzdstaffdirectory/current/
- PDF: http://typo3.org/extensions/repository/view/browser_bzdstaffdirectory/current/info/?tx_terfe_pi1%5BdownloadFile%5D=doc%252Fmanual.pdf

TT_CONTAINER is a short form for **TypoScript T**emplate **C**ontainer.

Property:	Data type:	Description:	Default:

tableFieldUid	string	Deprecated!
		
		Syntax:
		table.field: name of the table + dot + name of the field
		
		Tutorial:
		
		Debugging:
		
		Example:
		`plugin.tx_browser_pi1.views.single.1 {`
		`  ttContainer  = TT_CONTAINER`
		`  ttContainer {`
		`  tableFieldUid = tx_civserv_form.uid`
		`  limit  = -1`
		`  wrap  (`
		`  <h2>Forms</h2>`
		`  <ul>|</ul>`
		`)`
		`  noRecord {`
		`  value  (`
		`  <h2>Forms</h2>`
		`  <ul>`
		`  <li>`
		`  There isn't any form.`
		`  </li>`
		`  </ul>`
		`)`
		`  }`
		`  10 = TTC_STDWRAP`
		`  10 {`
		`  ...`
		`  }`
		`  20 = TTC_COA`
		`  20 {`
		
		`  }`
		`  }`
		`}`	

limit	int		
noRecord	array ->stdWrap	... has the stdWrap property	
ttc_stdwrap	array ->TTC_STDWRAP		
ttc_coa	array ->TTC_COA		
tt_container	array ->TT_CONTAINER		

TTC_COA

The TTC_COA is deprecated! Use COA instead. See the Tutorial/Manual of Browser for BZD Staff Directory.

Property:	Data type:	Description:	Default:

		Deprecated!
		
		Example:
		`plugin.tx_browser_pi1.views.single.1 {`
		`  ttContainer  = TT_CONTAINER`
		`  ttContainer {`
		`  ...`
		`  20 = TTC_COA`
		`  20 {`
		
		`  }`
		`  }`
		`}`	

TTC_STDWRAP

The TTC_STDWRAP is deprecated! Use COA instead. See the Tutorial/Manual of Browser for BZD Staff Directory.

Property:	Data type:	Description:	Default:

		Deprecated!
		
		Example:
		`plugin.tx_browser_pi1.views.single.1 {`
		`  ttContainer  = TT_CONTAINER`
		`  ttContainer {`
		`  ...`
		`  10 = TTC_STDWRAP`
		`  10 {`
		`  ...`
		`  }`
		`  }`
		`}`	

_LOCAL_LANG

With the _LOCAL_LANG array you can control the values of the tabs in the mode selector and the translation for the table fields.

Tutorials

Label fields

- HTTP: http://typo3.org/documentation/document-library/extension-manuals/browser_tut_labeling_en/current/
- PDF: http://typo3.org/extensions/repository/view/_tut_labeling_en/current/info/?tx_terfe_pi1%5BdownloadFile%5D=doc%252Fmanual.pdf

Use localized tables and extensions:

- HTTP: http://typo3.org/documentation/document-library/extension-manuals/browser_tut_localization_en/current/
- PDF: http://typo3.org/extensions/repository/view/_tut_localization_en/current/info/?tx_terfe_pi1%5BdownloadFile%5D=doc%252Fmanual.pdf

Property:	Data type:	Description:	Default:

_LOCAL_LANG	array	Array with the translations for the tabs in the mode selector, for SEO - Search Engine Optimisation, table summary and table caption and for the fields
		There are the following rules:
		• Tabs:
		*view*_mode_*n*
		view: list or single
		n: number of the view (1, 2, 3, ...)
		• Tables:
		Browser generates HTML tables, which are conform with the guidelines of the Web Accessibility Initiative (WAI).
		*view*_mode_*n*_summary: <table summary="value">
		*view*_mode_*n*_caption: <caption>value</caption>
		• Fields:
		table_field
		table: name of the table (i. e. tt_news)
		field: name of the field (i. e. title)
		
		Example:
		`plugin.tx_browser_pi1 {`
		`  _LOCAL_LANG {`
		`  default {`
		`  list_mode_1 = My tab in the view list 1`
		`  list_mode_2 = My tab in the view list 2`
		`  list_mode_1_titleTag = My HTML title tag 1`
		`  list_mode_2_titleTag = My HTML title tag 2`
		`  list_mode_1_keywords = keyword 1, ..., ....`
		`  list_mode_2_keywords = keyword 1, ..., ....`
		`  list_mode_1_summary = My table summary list 1`
		`  list_mode_2_summary = My table summary list 2`
		`  list_mode_1_caption = My table caption list 1`
		`  list_mode_2_caption = My table caption list 2`
		
		`  single_mode_1 = My tab in the view single 1`
		`  single_mode_2 = My tab in the view single 2`
		`  single_mode_1_titleTag = ###TABLE.FIELD### ...`
		`  single_mode_2_titleTag = ###TABLE.FIELD### ...`
		`  single_mode_1_keywords = ###TABLE.FIELD###, ..`
		`  single_mode_2_keywords = ###TABLE.FIELD###, ..`
		`  single_mode_1_summary = Summary single list 1`
		`  single_mode_2_summary = Summary single list 2`
		`  single_mode_1_caption = Caption single list 1`
		`  single_mode_2_caption = Caption single list 2`
		
		`  tt_news_title = News Header`
		`  tt_news_cat_title = Category`
		`  }`
		`  de {`
		`  ...`
		`  }`
		`  }`
		`}`	

What's new in Version 3.6?

Additional parameters

[3.6.2]

The browser provides a TypoScript snippet for adding additional parameters. See tutorial navigation:

- HTTP: http://typo3.org/documentation/document-library/extension-manuals/browser_tut_navigation_en/current/
- PDF: http://typo3.org/extensions/repository/view/browser_tut_navigation_en/current/info/?tx_terfe_pi1%5BdownloadFile%5D=doc%252Fmanual.pdf

Filters for areas

[3.6.0]

You can filter your data by areas. Example for areas are

- 2010 to 2012
- 10.000 EUR to 20.000 EUR

You can generate filter for periods relative like:

- all days of the current week
- -2 weeks from now to +2 weeks from now

Please refer to

- HTTP: http://typo3.org/documentation/document-library/extension-manuals/browser_tut_search_en/current/
- PDF: http://typo3.org/extensions/repository/view/browser_tut_search_en/current/info/?tx_terfe_pi1%5BdownloadFile%5D=doc%252Fmanual.pdf

Filters for local table

[3.6.0]

You can filter data from the local table. Before version 3.6.0 it was possible to filter data of foreign tables only.

Category Menu

[3.6.0]

You can filter your data by a category menu. The difference between a category menu and the available filters check box, radio buttons and select box is, that the first is a list of links and all others are a part of an HTML form.

You can use areas for a category menu in the same way like for filters.

Please refer to

- HTTP: http://typo3.org/documentation/document-library/extension-manuals/browser_tut_search_en/current/
- PDF: http://typo3.org/extensions/repository/view/browser_tut_search_en/current/info/?tx_terfe_pi1%5BdownloadFile%5D=doc%252Fmanual.pdf

Ordering of children records

[3.6.3]

You can order children records supported by a SQL query.

See in the reference views.list orderBy."foreignTable" and views.single orderBy."foreignTable".

Please refer to

- HTTP: http://typo3.org/documentation/document-library/extension-manuals/browser_tut_database_en/current/
- PDF: http://typo3.org/extensions/repository/view/browser_tut_database_en/current/info/?tx_terfe_pi1%5BdownloadFile%5D=doc%252Fmanual.pdf

Configurable: Search respects Filters

[3.6.0]

It is configurable, if the search respect filters. It is possible to differentiate between every filter.

The new TypoScript property is

```
plugin.tx_browser_pi1.displayList.display.searchform.respect_filters
```

Please refer to

- HTTP: http://typo3.org/documentation/document-library/extension-manuals/browser_tut_search_en/current/
- PDF: http://typo3.org/extensions/repository/view/browser_tut_search_en/current/info/?tx_terfe_pi1%5BdownloadFile%5D=doc%252Fmanual.pdf

Alternate Image

[3.6.0]

If your are using an HTML template with images and the current record hasn't any image, than the Browser will display an alternate image by default.

You can use your own image. And you can cut off the alternate image.

See

- Browser Tutorial Images
  Look for the section "Alternate Images"
  http://typo3.org/extensions/repository/view/browser_tut_images_en/current/

Wrap Images and Captions with the Image Number

[3.6.0]

The TypoScript has the new property imageBoxWrap.

You can wrap images with their captions as a box. The marker ###IMAGE_COUNT### will be replaced by the number of the current image. This enables you to design a CSS depending of the image number.

See imageBoxWrap in the Reference above.

UserFunc: numberFormat

[3.6.2]

You can format numbers by TypoScript. See the snippet below.

The function is the snippet is deprecated! The TypoScript of TYPO3 4.5 is extended with a stdWrap property for formatting number formats.

```
price = COA
price {
  wrap = | {$quick_shop.currencySymbol}
  10 = USER
  10.userFunc = tx_browser_typoscript->numberFormat
  10.userFunc {
    number = TEXT
    number {
      value = ###TX_QUICKSHOP_PRODUCTS.PRICE###
    }
    decimal   = 2
    dec_point = {$quick_shop.dec_point}
    thousands_sep = {$quick_shop.thousands_sep}
  }
}
```

Hide the update report for public visitors

[3.6.0]

If you like to check your configuration after an update, now any public visitor won't see any report. The update report - generated by the update wizard of the extension manager - is accessible with your current IP only.

Hooks

[3.6.0 / 3.6.2]

The are four hooks. The enable you, to manipulate the result of the Browser in your own extension.

See

- Browser Tutorial Hooks
  http://typo3.org/extensions/repository/view/browser_tut_hooks_en/current/

Name views in TypoScript

[3.6.1]

You can name every view in your TypoScript. If you are using a couple of views, you will have a good overview on the views top level. See the illustration on the right hand.

The names will removed while runtime.

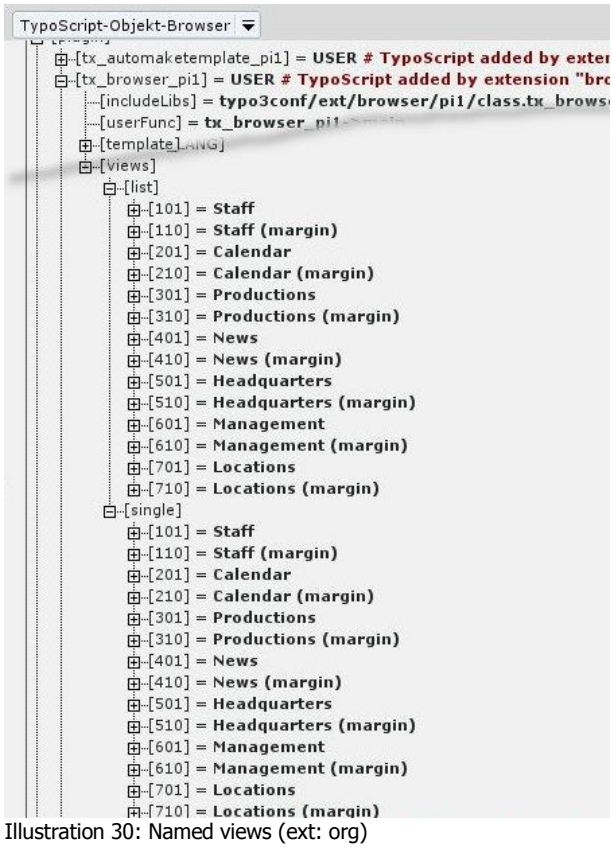

Illustration 30: Named views (ext: org)

Simulate a single record

[3.6.1]

You can simulate a single record with a browser plugin/flexform.

This feature enables you, to display any record everywhere on your page.

Examples are:

- You want to display a defined fe_user
- You want to display a defined address

The tab [list view] of the plugin/flexform has the new property:

- [Display record with uid]

See

- Browser Tutorial Several Plugins

  http://typo3.org/extensions/repository/view/browser_tut_severalplugins_en/current/

Blank the manual sort field by TypoScript configuration

[3.6.1]

You can disable the sort field by TypoScript now.

The new TypoScript property is

```
displayList.selectBox_orderBy.display = 1
```

The sort field has the corresponding HTML subpartmarker ###TEMPLATE_SELECTBOX_VALID###

Constant markers are COA able

[3.6.1]

You can use constant markers with content type TEXT or COA now.

See

- Browser Tutorial Markers (en)
  http://typo3.org/extensions/repository/view/browser_tut_marker_en/current/

Images got full tt_content support

[3.6.1]

You can render every image supported by tt_content.image.20.

This are some possible features:

- render images differently. Examples: first image is on top of page, all others are on the bottom. All images has 300 px width but the second has 440 px width.
- columns
- the browser 3.6.0 wrapped only one field as an image per row. Now it is unlimited.

You find a configuration example in

- Browser Tutorial Images (3.6.1)
  http://typo3.org/extensions/repository/view/browser_tut_images_en/current/

tx_browser_tca->static_country_zones

[3.6.1]

Sometimes you have a database with address data. If you are select a country in a backend form, it would be wonderful, when the displaying of the states (German: Bundesländer, Swiss: Kanton) depends on it.

The Browser supports this dependency for the extension static_info_tables. See

- Browser Tutorial TCA
  http://typo3.org/extensions/repository/view/browser_tut_tca_en/current/

Disable wrap in pi base class by the plugin

[3.6.2]

You can disable the default div-container for the browser plugin.

See the plugin. tab [Templating], field [wrap in base class].

You need it, if you like to publish your data as an CSV file for example.

Road Map

Latest News on Forge

You find the latest news on forge.typo3.org. See

- Browser Roadmap
  http://forge.typo3.org/projects/extension-browser/roadmap

Version 3.7: Calendar Base

Calender Based Data Presentation

We like to provide the Browser with a new module for a calendar based data presentation from February of 2011.

We have a concept in the drawer. We are looking forward to some customers.

Version 4.0: Frontend Editing

Frontend Editing

We want to provide the Browser with frontend editing from March of 2011.

Frontend editing will enable frontend users to edit any data like news or events.

We have a concept in the drawer. We are looking forward to some customers.

Functional Schematic

Fast Way for Your Data to the TYPO3 Frontend

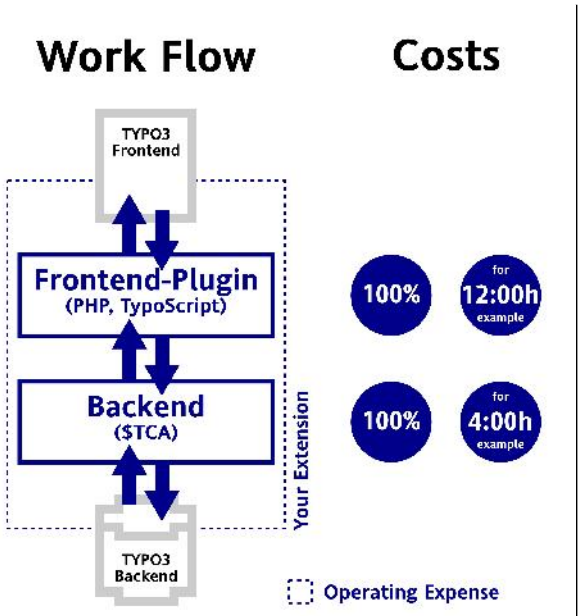

Illustration 31: Common way of TYPO3 extension development.

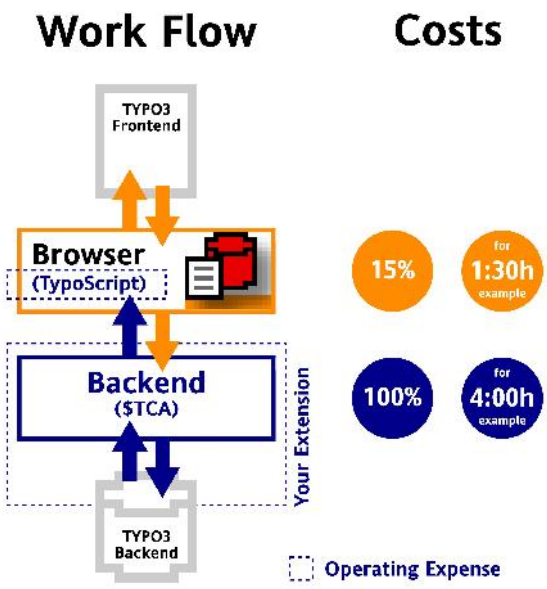

Illustration 32: TYPO3 extension development with the Browser.

The common way of TYPO3 extension development:

- You need a frontend plugin.
- You have to code PHP at least.

TYPO3 extension development with the Browser:

- You don't need any frontend plugin.
- You have to create a TypoScript template only.

Save up to 85 Percent of Your Development Costs

Compare the costs in our example above for the development without and with the Browser.

We guess, that you can save 85 percent of the costs for the development of a frontend plugin, if you are using the Browser.

In our example you would need 16 hours for the development of your extension with a frontend plugin (4 hours for the backend plus 12 hours for the frontend). If you are using the Browser you would need 5:30 hours (4 hours for the backend plus 1:30 hours for the frontend). You would save 9:30 hours (nearby 60 percent) altogether.

The claim of the Browser is "The Frontend Engine".

Smarty

The Browser supersedes Smarty

The Browser is able to supersede the template engine Smarty. This means: You can use every third party extension, which depends on Smarty without Smarty!

An example for the superseding is the extension Browser for Civserv. The illustrations below are from the manual of Browser for Civserv.

The common Way - with Smarty

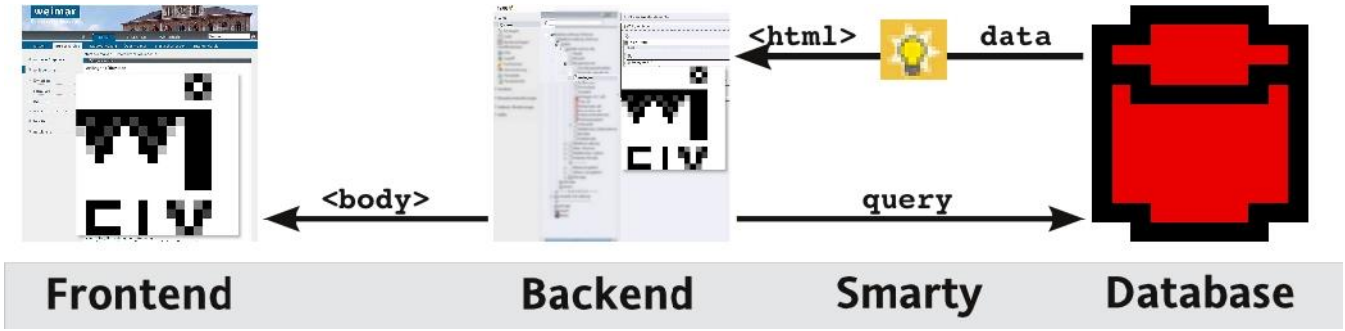

Illustration 33: Workflow with civserv and the template engine Smarty

If you are using civserv as an example for an extension with smarty in the common way, you will have the following work flow:

- The civserv plugin (the backend in the illustration above) sends a query to the database.
- The database sends the result to the template engine Smarty.
- Smarty sends a completely rendered HTML result back to the civserv plugin.
- The civserv plugin sends the HTML result as content to the HTML body.

The TYPO3 API (the backend in the illustration above) hasn't any chance to process data for Real URL or the HTML head. SEO - Search Engine Optimisation - and the TYPO3 cache management are impossible.

The better Way - with the Browser

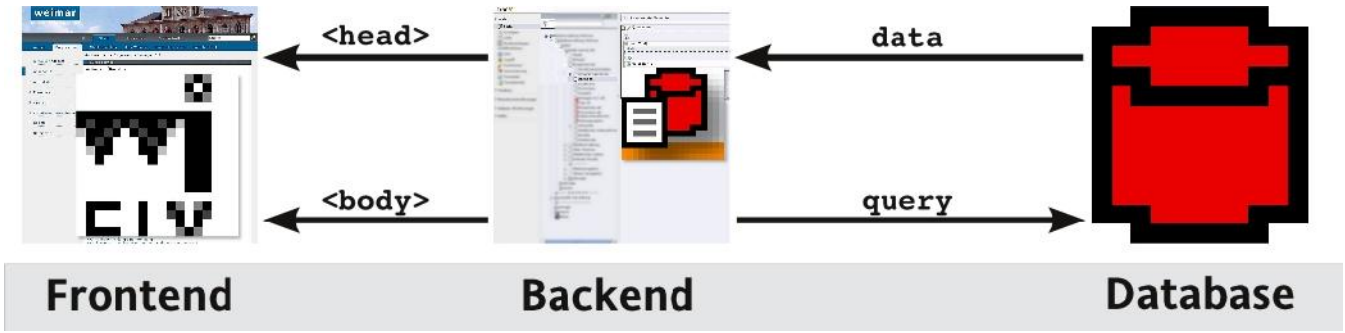

Illustration 34: Workflow with civserv and with the frontend engine Browser

You can use civserv with the frontend engine Browser:

- The Browser plugin sends a query to the database.
- The database sends the result back to the plugin.
- The Browser plugin process the data for Real URL, for the HTML head and the HTML body.

SEO - Search Engine Optimisation - and the TYPO3 cache management is available and you can use Real URL.

Cost-Benefit Equation

Example with civserv

Position	Civserv/Smarty	Civserv/Browser
Extensions	civserv smarty	civserv browser browser_civserv
Search Engine Optimisation	**no**	**yes**
Real URL	**no**	**yes**
TYPO3 Cache Management	**no**	**yes**

Example with any other extension, which is using smarty

Position	Any/Smarty	Any/Browser
Extensions	any extension smarty	any extension browser browser TypoScript for any extension
Search Engine Optimisation	**no**	**yes**
Real URL	**no**	**yes**
TYPO3 Cache Management	**no**	**yes**

Update

From every version

TypoScript Update Assistant

We implemented a TypoScript Update Assistant in Version 3.0:

- You get messages, if your TypoScript code isn't proper in context with updating.
- You get the messages in English or German.

This is your work flow:

1. Enable the TypoScript Update Assistant with the extension manager (see illustration below).
2. Delete the TYPO3 cache.
3. Load a page with a browser plugin in the frontend. You will get a report (see illustration below).
4. Please maintain your TypoScript code per displayed tickets.

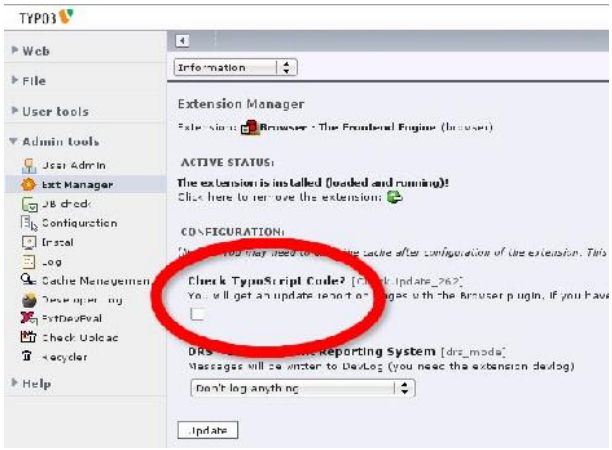

Illustration 35: Check TypoScript Code after Update?

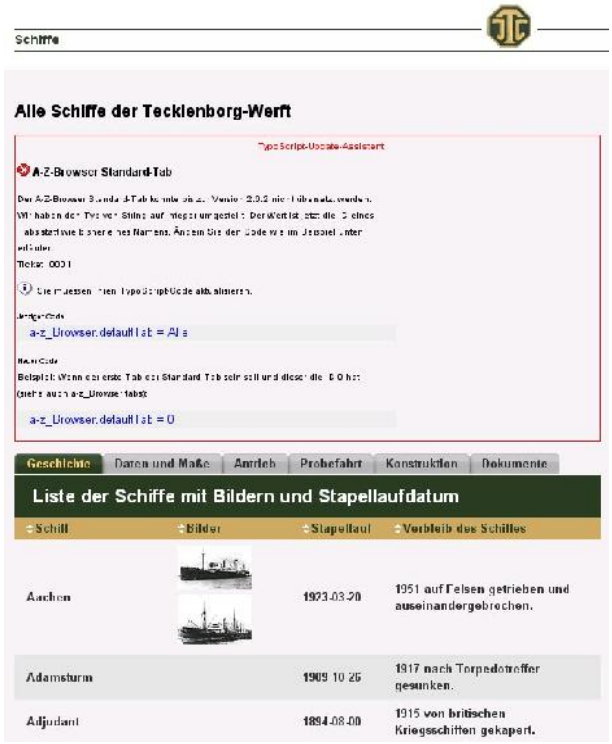

Illustration 36: Report in the Frontend.

From version < 3.5

Valid HTML Forms

If you are using HTML templates, which are provided by the browser, you don't have to care about the lines below.

If you are using your own templates, please check, if you have to adapt some configurations.

The selectbox for ordering records has now a valid HTML code.

Because of this there are several changes:

- res/default_ul.tmpl got a new template with the marker ###TEMPLATE_SELECTBOX_VALID###
- res/sample/tt_news/default.tmpl got a new template with the marker ###TEMPLATE_SELECTBOX_VALID###

If you are using an old template with the marker ###TEMPLATE_SELECTBOX###, please add the code from a default template with the marker ###TEMPLATE_SELECTBOX_VALID### to your template. The browser will take this code for your selectbox.

Some values in the TypoScript are changed. See

```
plugin.tx_browser_pi1 {
  displayList {
    selectBox_orderBy {
      ...
    }
  }
}
```

Search for comments "... upto 3.4.5"

AJAX

Because of the new AJAX module is some code added to the HTML templates. If you want to use AJAX with your own "old" templates, please take a look in the tutorial AJAX:

- Browser Tutorial AJAX (en)
  http://typo3.org/extensions/repository/view/browser_tut_ajax_en/current/

Default Templates

We kicked off the template ###TEMPLATE_SINGLE_IMGTXT###

From version < 3.0

TypoScript Update Assistant

Use the TypoScript Update Assistant (see below).

Save the Plugin

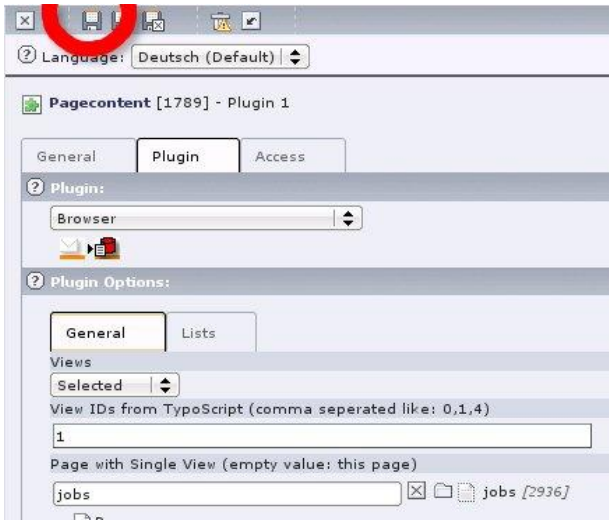

Illustration 37: Save the Plugin

Please save the plugin. The Browser will miss datas without saving. I.e.: The a-z-browser won't be displayed probably.

Constants Editor

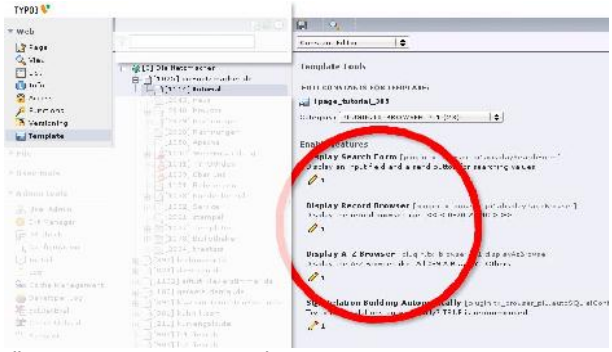

Illustration 38: Constants Editor

Some TypoScript properties are moving to the plugin. The constants editor lost:

- displaySearchForm
- displayPageBrowser
- displayAzBrowser
- autoSQLrelSimple
- autoSQLrelMM

Backbutton

The backbutton has the stdWrap property from version 3.0.

The backbutton in a single view was a qualified URL back to the list view up to version < 3.0. Now it is a Javascript link: It is quicker and we don't have trouble with piVars like the sword, which will generates an unwanted URL with all sword values back to a list view.

```
plugin.tx_browser_pi1 {
  displaySingle {
    display {
      backbutton = 1
      backbutton {
        data = LLL:EXT:browser/pi1/locallang.xml:back
        wrap = <a href="javascript:history.back()">|</a>
      }
    }
  }
}
```

The locallang.xml value back become new values

- "Back to the list view" became "Back"
- "Zurueck zur Liste" became "Zurueck"

Self-defined markers

We extended the browser with self-defined markers. If you don't want use the default configuration please

1. delete in the default template (file: static/setup.txt)
    1. the self-defined marker ###TITLE###
    2. the reset button, if you don't want any reset button.
2. delete in the static template
    1. the whole marker array

```
plugin.tx_browser_pi1.marker >
```

    2. or markers in particular.

```
plugin.tx_browser_pi1.marker.my_title >
plugin.tx_browser_pi1.marker.my_url >
plugin.tx_browser_pi1.marker.my_reset >
```

Security

There is a new array advanced.security.

- A sword word need now three chars at least.
- The %-char gets an slash.

If you don't like this new behavior, please configure the security.sword array

```
plugin.tx_browser_pi1.advanced {
  security {
    sword {
      minLenWord = 3
      addSlashes {
        csvChars = %
      }
    }
  }
}
```

FAQ

Is there a Cache Management?

Yes, the Browser uses the TYPO3 cache management.

May I use SimulateStaticDocuments and Real URL?

Yes, you may use SimulateStaticDocuments or Real URL.
There is a template example for Real URL for the file locallang.php. See the Tutorial Real URL.

May I share the Browser with TemplaVoila?

Yes. The Browser is a frontend plugin. You can use it within TemplaVoila like any other frontend plugin.

Web Accessibility Initiative (WAI)

Browser uses tables for the list views and the single views. The tables are according to the guidelines of the Web Accessibility Initiative (WAI). Tables have a summary and uses the tags caption, thead, th and tbody.

Example code:

```
...
<table summary="Liste von Nachrichten mit Überschriften und Kategorien">
  <caption>Überschriften und Kategorien</caption>
    <thead>
      <tr>
        <th class="cell-0">...</th>
        ...
      </tr>
    </thead>
    <tbody>
      <tr>
        <td class ...
```

Is it possible to search in fields, which aren't displayed?

Yes, you can search in table fields, which aren't displayed in the frontend. Use the TS property "search". See the Tutorial Search.

May I use the TYPO3 Indexed Search Machine?

Yes, please add the HTML search comments in the HTML template, if you want to use indexed search.

Is the extension UTF-8 secure?

Yes, it should be.

It seems that I have a problem with UTF-8 and Time Stamps

The Browser uses the PHP method strftime for format time stamps into a human readable format.

The Browser alter the result of the method from UTF-8 to ISO, if there are special signs like German Umlaute (Ä, Ö, Ü, ß) and if they are stored in UTF-8.

If you have any problem with the display of formatted time stamps and special signs, please deactivate the TypoScript property:

```
plugin.tx_browser_pi1 {
  format {
    strftime {
      utf8_encode = 0
    }
  }
}
```

It's possible, that devlog doesn't display all logs?

Yes it is.

Devlog is processing 1.000 logs at most in the default configuration.
This protects the space of the SQL database.
If you want enjoy all logs of the Development Reporting System (DRS), please increase the value for maximum rows in the devlog extension (see "Configuring devlog" on page 18).

May I use the PHP Multi Byte Overload?

Please, don't use it.

Background: The Browser use PHP string functions of course. Some aren't multi-byte secure like strlen() and some others are multi-byte-secure like mb_strlen(). It's possible to overload the non secure string functions with the secure multi-byte functions. Please don't use this feature. You will get trouble in a multi byte environment:

- The A-Z-Browser won't be working proper.

The PHP property mbstring.func_overload has to be 0 - this is the default in your php.ini.

Credits

Illustration 39: Deutscher Journalisten-Verband http://www.djv.de/

Illustration 40: dorn & malag http://www.dorn-malag.de/

Illustration 41: netresearch http://www.netresearch.de/

Illustration 42: LEG Thüringen http://www.leg-thueringen.de/

Illustration 43: Pädagogische Hochschule Zentralschweiz, http://www.phz.ch/

Illustration 44: Poseidon AG http://www.poseidon-ag.eu/

Illustration 45: Stadtverwaltung Weimar, City Council of Weimar - http://stadt.weimar.de/

Illustration 46: Tritum Internetdienstleistungen http://tritum.de

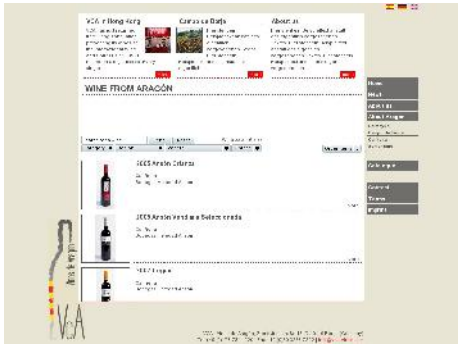

Illustration 47: VCA - Vinos de Aragón
http://vca-vinos.com

Helpful suggestions

Forum

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

- http://typo3-browser-forum.de/

Posts are welcome in English and German.

New Features and Bug Reports

You are welcome to post any question, bug or code snippet on TYPO3 forge.
Here you find feature announcements and bug reports.
See

- http://forge.typo3.org/projects/show/extension-browser

Illustration 48: TYPO3 Forge

To-Do List

- Document autoconfig.
- If markers are used recursive, there won't have any colored sword in recursive content.
- If swords are appears in tags, they don't shouldn't wrapped.

Further Information

About the plugin icon

Illustration 49: The logo

The concept of the icon:

- The cylinder is the common symbol for a database.
- The sheet is a symbol for the frontend.
- The color of the stripe, orange, is the color of the corporate design of Die Netzmacher, the company which created the extension Browser.

Other extensions published by Die Netzmacher

- 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 in three hours only.
  http://typo3.org/extensions/repository/view/green_cars/current/
- 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/current/
- §§ Juridat - Database for Juridical Data. Juridat provides a juridical data base with backend functionality. Juridat is out of the box. It is a teamwork with the Browser.
  http://typo3.org/extensions/repository/view/juridat/current/
- logical_form: A frontend plugin for evaluating forms. I.e you can evaluate mail addresses.
  http://typo3.org/extensions/repository/view/logical_form/current/
- Majordomo: For subcribing to and unsubscribing from a majordomo mailing list.
  http://typo3.org/extensions/repository/view/majordomo/current/
- 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 and powermail.
  http://typo3.org/extensions/repository/view/quick_shop/current/
- 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/current/
- 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/current/
- 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. I. e. it is possible to display tt_news items in dependence on the ownership of a fe_user.
  http://typo3.org/extensions/repository/view/ttnews_selectconf/current/
- 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.
  http://typo3.org/extensions/repository/view/wine/current/

About the Authors

Dirk Wildt

Leader

Did the job of complete integration into the Browser.

Illustration 50: Dirk Wildt a little bit blurred

Dirk Wildt (* 1963 Hamburg/Germany)

Founder of Die Netzmacher (Erfurt/Weimar)

Founder of TYPO3 Usergroup Thuringia

Member of TYPO3 Usergroup Leipzig

2003: Founding think visually! It is Die Netzmacher since 2009.

2000 - 2002: Financial Controller, G.E.B.B

1999 - 2000: Financial Controller, G|M|Z - Tagesspiegel-Gruppe

1997 - 1999: Spokesman, Senatsverwaltung für Finanzen, Berlin

1989 - 1997: Editor and Financial Controller, taz, die tageszeitung

1982 - 1989: Freelancing Press Photographer

Ulfried Herrmann

Member

Illustration 51: Ulfried Herrmann

Ulfried Herrmann (* 1981 Ilmenau/Germany)

Founder of Die Netzmacher GbR (Erfurt/Weimar)

Founder of TYPO3 Usergroup Thuringia

Member of TYPO3 Usergroup Leipzig

2009: Founding Die Netzmacher GbR

2001: Founding yellow label

Frank Sander

Member

Did the job of the AJAX development and the basic integration into the Browser.

Illustration 52: Frank Sander

Frank Sander (* 1972 Düsseldorf/Germany)

Co-Founder of Wilder Jäger Mediengestaltung

since 2001: Wilder Jäger Mediengestaltung

Change Log

3.6.2 **New Features**

* 13597: TypoScript snippet for additional parameters
* 13145: Number formats: userfunc
* 12813: Added hook rows_filter_options
* 12723: Added hooks BR_TemplateElementsHook and BR_TemplateElementsTransformedHook
  Thanks to Martin Bless
* 12367: Disable wrapInPiBase by TypoScript

Bugfixes

* 13573: Localisation: proper handle of languageField and transOrigPointerField
* 13505: Empty AND in some localization context
* 13464: foreach(...) is moved to foreach((array) ...)
* 13008: Workflow devider will not be consolidated

Maintenance

* 12310: Better error message for "Recursion Guard: Recursion is bigger than 0"
* 12813: Hook rows_filter_consolidated is moved to rows_filter_values
* 00000: Integration of Tutorial Development in the tutorial list (pi3). Revision 43139
* 00000: Integration of Tutorial TCA in the tutorial list (pi3). Revision 43139

Consolidation

* 00000: substitute_t3globals_recurs() was double: in marker and in zz
  substitute_t3globals_recurs() is removed in marker
* 00000: get_t3globals_value() was double: in marker and in zz
  get_t3globals_value() is removed in marker
* 00000: session_marker() was double: in marker and in zz
  session_marker() is removed in zz
* 00000: substitute_marker_recurs() was double: in marker and in zz
  substitute_marker_recurs() is removed in zz

3.6.1 svn revision 43034

New Features

- 12756: Images got full tt_content support
- 12707: Dynamic states/zones in the TCA backend
- 12528: Don't remove empty marker in TypoScript by default
  TypoScript is effected: new property:
  - advanced.downgrade.3_6_0.marker.in_typoscript.remove_emptyMarker = 0
- 12472: Constant markers should be COA able
- 12006: Simulate a single record with its uid in a list view plugin
- 12005: Blank the manual sort field by TypoScript configuration

. - 11981: Name views in TypoScript

- 11603: Configuration to hide rows with empty values
  Thanks to Paedagogische Hochschule Zentralschweiz, http://www.phz.ch/, who has ordered this feature

Bugfixes

- 12471: general_stdWrap isn't local
- 11973: DRS reported autoconfig.consolidation.sql.rows.unique is FALSE && true at the same time.
  Thanks to Christian Weiske / netresearch.de for bug repoprt and code for fixing
- 11886: Search does not work with multiple plugins on the same page
  Thanks to Christian Weiske / netresearch.de for bug report and code for fixing
- 11870: orderBy (SUBSTRING(field FROM 3)) does not work
  Thanks to Christian Weiske / netresearch.de for bug report and code for fixing
- 11844: Filter: local table without value in select box
- 11785: Hooks are moved on the top in pi1/class.tx_browser_pi1_template.php

Tasks

- 11847: OrderBy box: proper selected
- 11846: Integrate hook tutorial

3.6.0 **New Features**

- 11785: Hooks
- 11650: Simple relations: Configurable foreign table field. Thanks to cweiske
- 11580: Configurable: Should the search respect filters?
- 11523: Hide the update report for public
- 11402: Filter for areas
- 11401: Filter for local table
- 11211: Wrap for image and image caption with the image number
- 11204: If a record hasn't any image, a alternate image will be displayed by default

- 8807: Category Menu

Task

- 10858: Conflict between page browser and views

Bugfixes

- 11579: Unproper sword test fails in case of _GET
- 11430: bug in whereClause bugfix: " AND " gets unconditionally removed. Thanks to cweiske
- 11429: no enablecolumns (enablefields) leads to sql error. Thanks to cweiske
- 11418: Wrong error message: "You didn't have uploaded any template!" Thanks to cweiske
- 11407: Ordering filter items hasn't any effect
- 10762: ###CLASS### won't be replaced
- 00000: Only one filter was handled (Version 3.5.903)

3.5.0

New Features

- 10221: RSS-Feed
- 9659: AJAX support, plugin tab [AJAX]
  - default.tmpl, default_ul.tmpl, sample_ttnews.tmpl
    - reset button got the class reset
    - listarea is wrapped with ...
- 8335: Filter with multiple select
- 8337: Filter with checkbox and radio buttons
- 9408: Display the number of hits in the filter items
- 10171: Plugin tab [Search / Filter]
- 10172: Plugin tab [development]

Improvements

- 00000: Improved templating
- 00000: Manual completely revised
- 00000: New tutorials AJAX, RSS, tt_news_sample
- 00000: Some tutorials revised

Maintenance

- 00000: template ###TEMPLATE_SINGLE_IMGTXT### is removed

3.4.5

New Features

- 10116: Array Advanced is local too
- 10067: Wizard Icons

Bugfixes

- 10111: Human readable format changes sql query
- 10054: A-Z-Browser: Default Tab doesn't get selected property

3.4.4

New Features

- 9917: Selecting a random sample from a set of rows. Browser Plugin no cache.
- 9879: Enable local autoconfiguration array (for each plugin)
- 9838: Simplifying relation building. Enabling several relations to one foreign table.

Bugfixes

- 9872: multisort_mm_children fails in case of one children

Maintenance

- 9860: Consolidation Code

3.4.3

New Features

- 9727: Order children records in a single view by mm sorting
- 9697: Relation building: Extend it for MM_opposite_field

Improvements

- 0000: TCA default label detection is extended in TypoScript and Plugin
  - imagecaption, imageseo, documents
- 9695: Plugin [Templating] field [data query]: Empty value is missing

Bugfixes

- 9708: ereg_replace PHP 5.3 instead of preg_replace
- 9689: Plugin template isn't view secure
- 9596: Several Plugins +++ Social Bookmarks are missing

Credits

- 9708: to Thomas Rehhoff for preg_replace <> ereg_replace (PHP 5.3)

3.4.2

New Features

- 9683: Selectable list views from TypoScript in the plugin
- 9599: Manual configuring of piVar showuid
- 9461: tt_news-sample-template available by the plugin
- 9458: Destination pid for search form
- Browser got a favicon.ico. See /res/favicon.ico

Suggestion
- 9495: pagebrowser pointer in new search
- 9419: Upload Folder with auto slash
- 8434: Group list of values in single view

Bugfixes
- 9418: Wrong path to the upoad folder
- 9024: Fix was lost from 3.4.1 dev to 3.4.1 publish
- 8589: Fix was lost from 3.4.1 dev to 3.4.1 publish
- 8856: Fix was lost from 3.4.1 dev to 3.4.1 publish
- 8368: Fix was lost from 3.4.1 dev to 3.4.1 publish
- 8333: Fix was lost from 3.4.1 dev to 3.4.1 publish

Credits
- Thanks to Frank Sander for the code snippets: #8333, #8434, #9495, #9495

3.4.1 **New Feature**
- 9026: Editors are enabled to select layouts / TypoScript snippets by drop down menu
- 8856: First/Last/Odd/Even Classes for Items

Bugfixes
- 9025: Records won't be consolidated proper
- 9024: Filter and localization: default language only
- 8589: Javascript error message if no single view is configured needs to be encoded
- 8523: Localized children records won't be grouped
- 8368: Filters in URL to singleview -> overwriting tablefields
- 8333: special chars in A-Z Browser's item Pivar and class
- 0000: array_keys(): The first argument should be an array in class.tx_browser_pi1_zz.php line 1548

3.4.0 **New Feature**
- Social Media: Support for publishing data with Social Bookmarks

Bugfix
- 8553: Filter doesn't look for pid list
- 8343: first tablerow contains ###CLASS##

3.3.7 **New Features**
- groupBy: Field got the stdWrap property
- Query parts got the stdWrap property
- Override options for select, from, where, andWhere, orderBy and groupBy

3.3.6 **Bugfix**
- wrapper.php: $this->pObj->arr_children_to_devide will handle as array only
- zz.php: $this->pObj->arr_children_to_devide will handle as array only

3.3.5 **Improvements**
- Plugin: Tab [Advanced] moved to [Marker & RealUrl]
- The section RealUrl enables to configure, if parameters should used in links to a single view or not.
- Plugin: Tab [Listview] enables to configure, if swords should be colored in single views
- TypoScript code is shrinking

3.3.4 **New Feature**
- Multiple Plugins: Each plugin is enabled to handle the piVars from any other plugin.

Bugfix
- Multiple plugins displayed alls views in single mode
- Colored swords: Swords didn't get any color in a single view

3.3.3 **New Features**
- Children got a TypoScript configuration child by child
- The new TypoScript property localTable.showUid4TableField enables a select query with the showuid for a foreign table

Development
- TypoScript property is removed: advanced.development.version.3_1_0.orderByPHP

3.3.2 **Improvement**
- 7730: Search with manual wildcards is enabled

3.3.1 **Bugfix**
- Invalid argument supplied for foreach() in class.tx_browser_pi1_sql_functions.php on line 2245

3.3.0 **New Features**
- Data can display by groups in list views
- Plugin got the registers [Templating] and [TCA]

Improvements
- Ordering by php: database fields will evaluated for an automatic setting
  of SORT_STRING and SORT_NUMERIC.
  - The properties in the TCA will evaluated and the field types in the database will evaluated.
  - Ordering by any sorting field is now possible.
- 7529: Items in select boxes of the filters became XHTML conform: htmlSpecialChars is true by default
- TypoScript property: advanced.sql.devider.childrenRecords
  Devider between values of children records can be configured by TypoScript

Bugfixes
- 7582: Conflict between default tab of a-z-browser and empty list by start
- 7159: Filter: Select boxes got the same id
- 7264: Filter: SQL query had a wrong order of order and group
- 7526: Index browser: Tab [All] didn't keep piVars in mind
- 6776: timestamps weren't rendered as timestamps in some cases

3.2.1 **New Features**
- Section Check List in the Manual

Improvements
- Check List is enhanced in the plugin

Bugfix
- 6468, #6518: desc becomes DESC in fieldnames

3.2.0 **New Subversion**
- New Features
  - Plugin Browser-Tutorials
  - Plugins got the tab Check-List
- Bugfix
  - 6468: Conflict between asc or desc and similar field names

3.1.6 **Improvement**
- Search is extended with operators "and" and "not".

Bugfix
- 5273: The default A-Z-tab isn't displayed in URL now
  See Reference: plugin.tx_browser_pi1.a-z_Browser.defaultTab.display_in_url
- 5945, #6363: CSS/A-Z-Browser: All tabs were last tabs

Improvement
- displayList.display.searchform.resultPhrase.searchFor.and moved to
  displayList.display.searchform.and
- a-z_Browser.defaultTab.realURL moved to a-z_Browser.defaultTab.display_in_url

3.1.5 **Update Manual**
- Illustrations and link to the Case Study "Grüne Autos"

Bugfix
- 5922: PHP array error in context with missing filters

Improvement
- Marker ###minLenSword### moved to ###advanced.security.sword.minLenWord###

3.1.4 **Improvement**
- Plugin got the limit field
- Enabling the using of tables with translated fields in case of default language
- EmptyPageAtStart: PageBrowser won't be displayed
- ###SINGLEPID### is a system marker
- pageBrowser.results_at_a_time is replaced by the plugin
- Foreign tables can get their own pidList: See foreignTables.your_table.csvPidList
- Plugin value titleWrap got priority over TypoSCript value
- RealURL, search and filter are maintained

3.1.3 **Update Manual**
- Adding missing images and adding a key image

3.1.2 **New Features**
- The design of individual designs is simplified: You can use every database marker
  in the HTML code of list and single views. See the new tutorial below.
- Select box for ordering records
- TYPO3 $GLOBALS are accessible from TypoScript. Markers will replaced with their values

New Tutorial
- Browser Tutorial Marker en: Design your own layout.

Improvement

- default.tmpl and default_ul.tmpl are extended with the subpart ###TEMPLATE_SELECTBOX###
- Search: resultphrase is extended with the minLen hint

Bugfixing

- Some columns left empty in list views under certain conditions

3.0.5 **Improvement**

- piVar azTab is removed, if there isn't used any a-z-browser

Bugfix

- Localization
  - Orthography and syntax mistakes with exclude and mergeIfNotBlank
  - Counting mismatch for plugins
  - Replace bug in case of localization but non localized foreign tables

3.0.4 **Development**

- Filters got the override property for select, from and groupBy

3.0.3 **Development**

- mtime() is used upto TYPO3 4.2, getDifferenceToStarttime() is used from TYPO3 4.3
- Update PHP API data

Bugfix

- Adding $GLOBALS['TSFE']->includeTCA()

3.0.2 **Maintenance**

- Browser suggests to install the Tutorial Browser and Development Log.

3.0.1 **Major Version Release**

New Features

- Multiple Plugins
  - Browser Plugins are unlimited on every page
- Localization
  - Browser can handle localized records
- Filter
  - You can add selectboxes to the search field
- Flexform
  - You can configure some properties with the Browser plugin and without TypoScript
- TypoScript Update Assistent
- Consolidation
  - Browser will display only one record in the result list even if there a more than one children record. Values of children records will become a CSV list.
- Single views display 1:n relations
- A-Z-Browser tabs got the stdWrap property
- Security
  - Enhanced security handling of piVars

2.6.9 **Development**

Results got the limit property

Maintenance

Browser for Virtual Civil Services got an own extension key.

2.6.8 **Status**

Changed from alpha to beta

Development

Simple relations become proper

Some Properties moved from TypoScript to the Plugin

2.6.6 **Maintenance**

Browser for BZD Staff Directory got an own extension key

2.6.4 **Maintenance**

Localization Development

TypoScript

- a-z_Browser.defaultTab: Type is changed from string to integer.
  Value is now the key of the default tab and not the name.

2.5.9 **Maintenance**

devlog

2.5.5 **Maintenance**

We removed the TypoScript porperty (array): views.[list || single].X.override.

Clean up PHP code

2.3.8 **Maintenance**
Update manual and tutorial files

2.3.7 **Maintenance**
Simplification of real URL configuration

2.3.6 **Bugfixing**
In case of simulateStaticDocuments there was a URL rewriting with a double host

2.3.5 **Maintenance**
Extending the A-Z-Browser with the defaultTabWrap property
Extending SQL manual mode for single views
Integration of the function hierarchically order
Documentation
Extending the manual with an example for
- the synonym function
- switching the HTML default template
Templating
Extending the browser with a second template default_ul.tmpl.
It wraps lists as unordered lists instead of tables.
Bugfixing
There wasn't any error message in case of a missing select property but an empty content
###UID### and ###PID_LIST### weren't replaced in andWhere clauses in SQL auto mode

2.3.4 **Maintenance**
Update the manual

2.3.3 **Maintenance**
Simplifying the SQL query in case there is a configured search but there isn't any sword
Bugfixing
There was a bug in case of using relation.mm and LEFT JOIN and more than two related tables.
There was a bug with handleAs['document']

2.3.1 **New Features**
Synonyms
Hierarchical order

2.2.1 **New Feature**
SQL query definition with JOINS manually

2.1.3 **Maintenance**
A-Z-Browser can process UTF-8 database and multi byte char set in PHP

2.1.1 **New Features**
TT_CONTAINER
- TypoScript Template Container (TTC). Templating with TypoScript only.
DRS - Development Reporting System
The SEO meta tags title, keywords and description got the TypoScript stdWrap property.

2.0.1 **Major Version Release**
New Features
SQL override
- You can override the system generated SQL clauses
  SELECT, FROM, WHERE and ORDER BY by TypoScript
  Warning: Feature is removed with version 2.5.5
Hooks
- You can override any SQL query and result in third party extensions
New Workflow
SQL: Changing from FULL JOIN to LEFT JOIN.
Maintenance
HTML-Template: The A-Z-Browser got a -Tag

1.1.3 **Maintenance**
Code cleaning

1.1.2 **Bugfixing**
There was a mistake while counting cells.
CSS classes weren't proper.

1.1.1 **New Feature**
A-Z-Browser. Configurable by TypoScript
TypoScript example in res/a-z_Browser.txt
Manual
Updated
Bugfixing
TCA internal_type: There was a bug in case of relation and a missing internal_type field in the TCA

1.0.2 **Publishing**
Browser (extkey: browser)
Improvement
Error Messages
TCA config.type group

1.0.1 **Major Version Release**
New Tools like SQL Autorelation Building and Field Autowrapping
Renaming
- Browser (extkey: browser)
- Former: Frontend Database Browser (extkey: fe_db_browser)

0.1.3 **Bugfixing**: <a>-tag will be wrapped before stdWrap now

0.1.2 **Bugfixing**: Failure in an MySQL-Statement

0.1.1 **Development**: Adding the TS property andWhere
Maintenance: Adding a method index in class.tx_fedbbrowser_pi1.php
Bugfixing: The HTML tag <tbody> was lost.

0.1.0 **Development**
SEO: Search Engine Optimisation
Real Url: Optimizing
Adding ext_php_api.dat

0.0.7 **Optimizing**
HTML classes, HTML template
Sorry, the manual missed in 0.0.6

0.0.6 **Bugfixing**
Images were not rendered in list view if there wasn't a single view.

0.0.4 **Publishing**
Frontend Database Browser (extkey: fe_db_browser)

0.0.1 **Initial release**
Frontend Database Browser (extkey: fe_db_browser)

Illustration Index

Illustration 1: Amazing - you need one line TypoScript to render an image....3
Illustration 2: http://www.affenkoenig.de/....3
Illustration 3: http://wwwflorianleonhard.com....3
Illustration 4: http://www.kameramarktplatz.de/....3
Illustration 5: http://www.pure-and-simple.ch/....3
Illustration 6: http://stadt.weimar.de....3
Illustration 7: http://veiligengezondwerken.nl/....3
Illustration 8: Tab [General] - Example....4
Illustration 9: Tab [Templating] - Example with the extension Organiser (org)....4
Illustration 10: Tab [Social Media]....5
Illustration 11: PDF-Manual....8
Illustration 12: TYPO3 Forge....8
Illustration 13: The plugin in the frontend....8
Illustration 14: Tutorials Overview on typo3.org....9
Illustration 15: Idea, database, kickstarter, Html and online....10
Illustration 16: Fastest Shop in the history of TYPO3 - Quick Shop. Build your own web shop based on the Browser....10
Illustration 17: The TYPO3-Frontend-Engine Browser Forum....10
Illustration 18: Extension Manager....11
Illustration 19: The page TT-news with the Browser plugin and an extension template....11
Illustration 20: Browser plugin tab [Lists]....13
Illustration 21: Browser plugin tab [Templating]....13
Illustration 22: List view....14
Illustration 23: Single view....14
Illustration 24: Check List in English language....17
Illustration 25: Check List in German language....17
Illustration 26: DRS - Development Reporting System....18
Illustration 27: Maximum number of rows in devlog....18
Illustration 28: SQL statements....19
Illustration 29: Logs for missing items in the _LOCAL_LANG array....20
Illustration 30: Named views (ext: org)....52
Illustration 31: Common way of TYPO3 extension development....55

Illustration 32: TYPO3 extension development with the Browser....55
Illustration 33: Workflow with civserv and the template engine Smarty 56
Illustration 34: Workflow with civserv and with the frontend engine Browser....56
Illustration 35: Check TypoScript Code after Update?....58
Illustration 36: Report in the Frontend....58
Illustration 37: Save the Plugin....60
Illustration 38: Constants Editor....60
Illustration 39: Deutscher Journalisten-Verband http://www.djv.de/....64
Illustration 40: dorn & malag http://www.dorn-malag.de/....64
Illustration 41: netresearch http://www.netresearch.de/....64
Illustration 42: LEG Thüringen http://www.leg-thueringen.de/....64
Illustration 43: Pädagogische Hochschule Zentralschweiz, http://www.phz.ch/....64
Illustration 44: Poseidon AG http://www.poseidon-ag.eu/....64
Illustration 45: Stadtverwaltung Weimar, City Council of Weimar - http://stadt.weimar.de/....64
Illustration 46: Tritum Internetdienstleistungen http://tritum.de....64
Illustration 47: VCA - Vinos de Aragón

http://vca-vinos.com....65
Illustration 48: TYPO3 Forge....66
Illustration 49: The logo....68
Illustration 50: Dirk Wildt a little bit blurred....69
Illustration 51:
Ulfried Herrmann....69
Illustration 52:
Frank Sander....69