



# Browser - The TYPO3-Frontend Engine

**TYPO3 extension development without PHP**

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. The Browser enables the development of TYPO3-Extensions without any line PHP. TYPO3 developers and TYPO3 integrators will be eight times faster!



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Language: en

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- a GNU/GPL CMS/Framework available from [www.typo3.org](http://www.typo3.org)



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# Screenshots

## Key Image

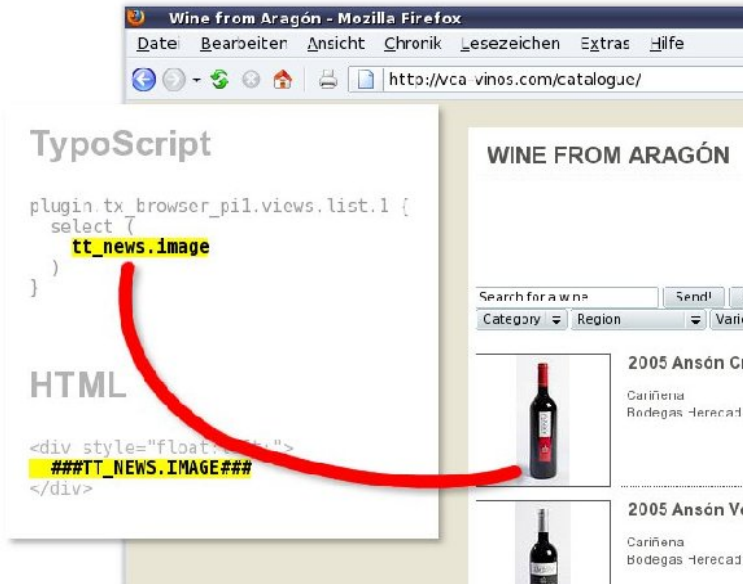


Illustration 1: Amazing - you need one line TypoScript to render an image

Revolution for TYPO3 developers - the Browser turns any field of the database into a TypoScript object. Extensions don't need any PHP code nor any own plugin. Developers can save up to 85 percent of their 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](mailto:wildt.at.die-netzmacher.de))

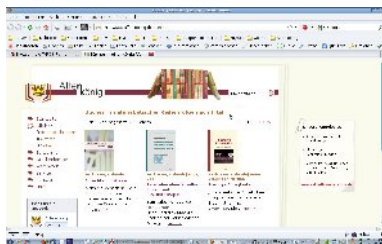


Illustration 2:  
<http://www.affenkoenig.de/>



Illustration 3:  
<http://www.florianleonhard.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.

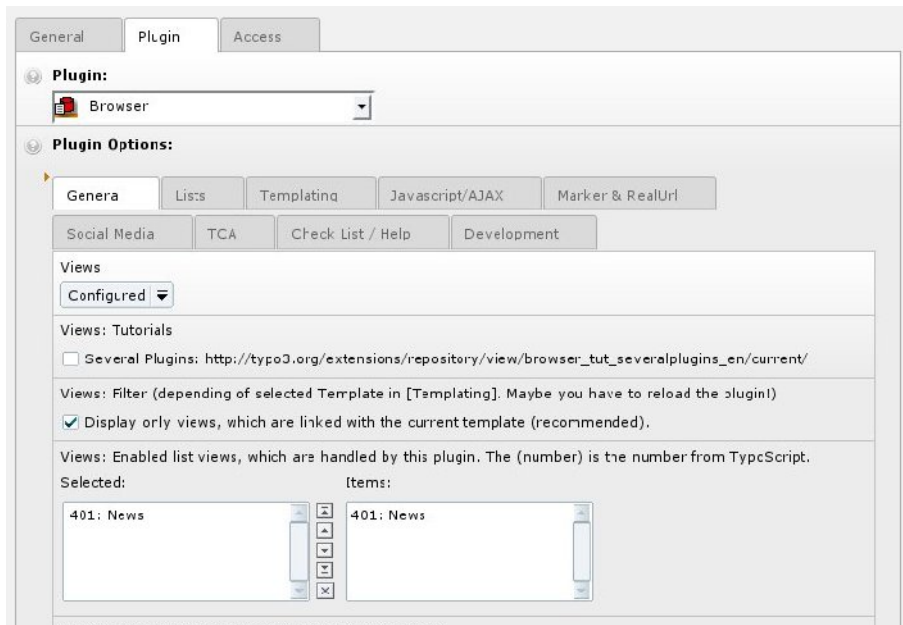


Illustration 8: Tab [General] - You will see prepared TypoScript and HTML templates of your extension and of third party extensions.

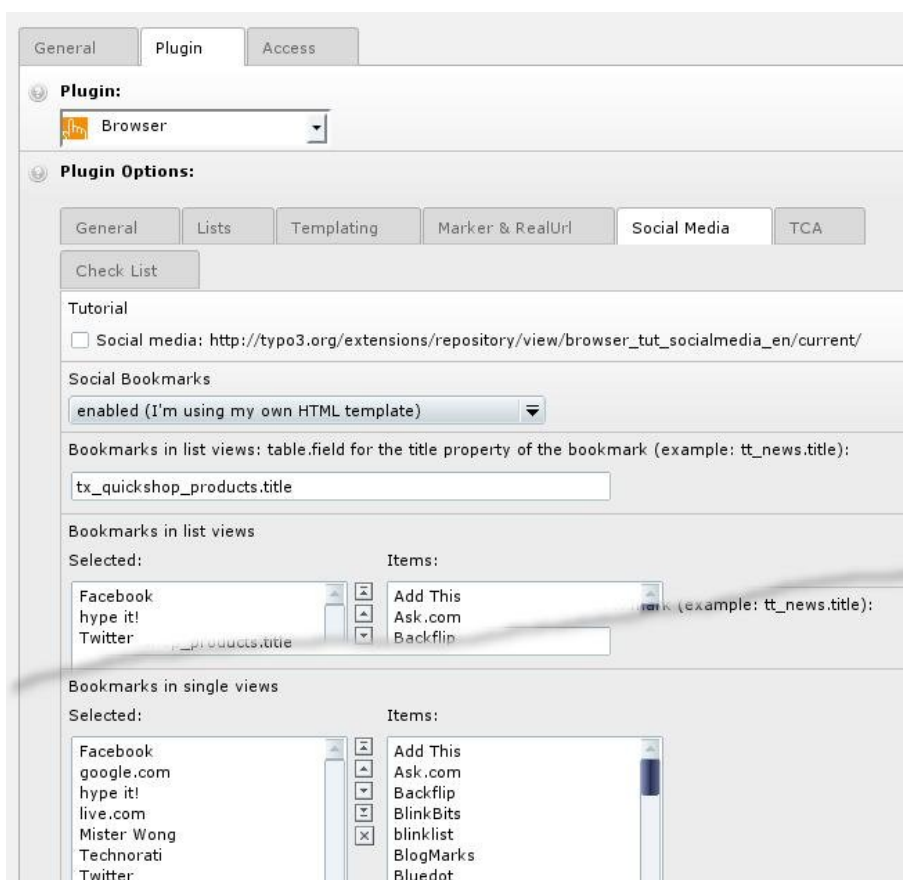


Illustration 9: Tab [Social Media]. Add links to social media with one mouse click.



General List View Single View **Templating** :Query & AJAX Marker & RealUrl Social

Tutorial  
☐ Templating: [http://typo3.org/extensions/repository/view/browser\\_ut\\_templating\\_en/current/](http://typo3.org/extensions/repository/view/browser_ut_templating_en/current/)

HTML  
 Organiser +npz.ch (org)

CSS default  
 Take it from TypoScript

CSS jQuery UI (User Interface)  
 UI: Blitzer

Data: querv

Illustration 10: Tab [Templating] with jQuery UI (User Interfaces). Select a theme with one mouse click (official in version 4.0)

Path: /Hfs - Berlin/ Person

Edit Pagecontent "[Personen]" on page "Personen"

General Plugin Access

Plugin:  
 Browser

Plugin Options:

General Lists **Templating** Javascript/AJAX Marker & RealUrl

Social Media TCA Check List / Help Development

Templating: Tutorials  
☐ Basics: [http://typo3.org/extensions/repository/view/browser\\_tut\\_basics\\_en/current/](http://typo3.org/extensions/repository/view/browser_tut_basics_en/current/)

Plugin: HTML template  
 From TypoScript (old fashion)  
 Upload own Template

Browser: Table (browser)  
 Browser: list (browser)

- Org Nachrichten (org)
- Org Nachrichten - Rand (org)
- Org Management (org)
- Org Kontakt - Rand (org)
- Org Personen (org)
- Org Personen - Rand (org)
- Org Produktionen (org)
- Org Produktionen - Rand (org)
- Org Standorte (org)
- Org Standorte - Rand (org)
- Org Veranstaltungsorte (org)
- Org Veranstaltungsorte - Rand (org)

Org [18] Find records

Pagecontent [24]

Illustration 11: Tab [Templating] - List of HTML templates after installing the extension Organiser (org)

# Introduction

Revolution for TYPO3 developers. The Browser - the TYPO3-Frontend-Engine - turns any field of the database into a TypoScript object. Extensions don't need any PHP code nor any own plugin any longer. Developers can save up to 85 percent of their operating expense.

## What does it do?

- The Browser enables TYPO3 integrators and TYPO3 developers to integrate individual databases into the TYPO3 frontend without any line PHP.
- With one line TypoScript you will get a result list with a search form, a page 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 extended with a record browser.
- 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.
- 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 its 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 integrators, who have less knowledge about TYPO3 and TypoScript and have little demands.
- TYPO3 developers and TYPO3 agencies, who have a lot of experience with TYPO3 and TypoScript and have high demands.

## Obligatory Requirements

- Database MySQL



## 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.





# Quick Installation

## Extension Manager

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

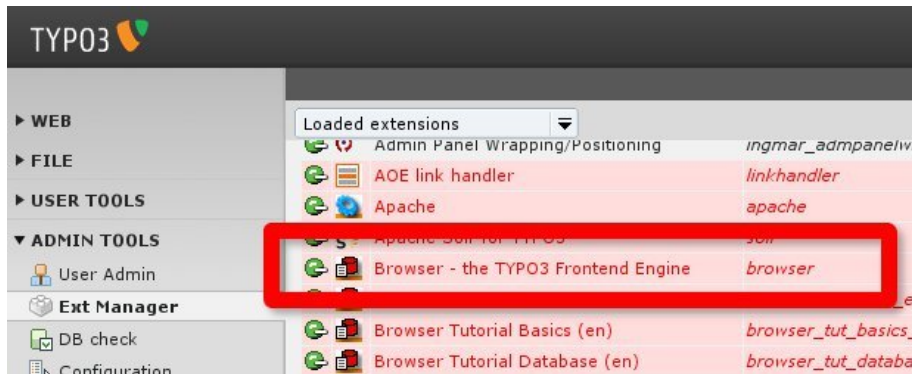


Illustration 12: Extension Manager

## 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

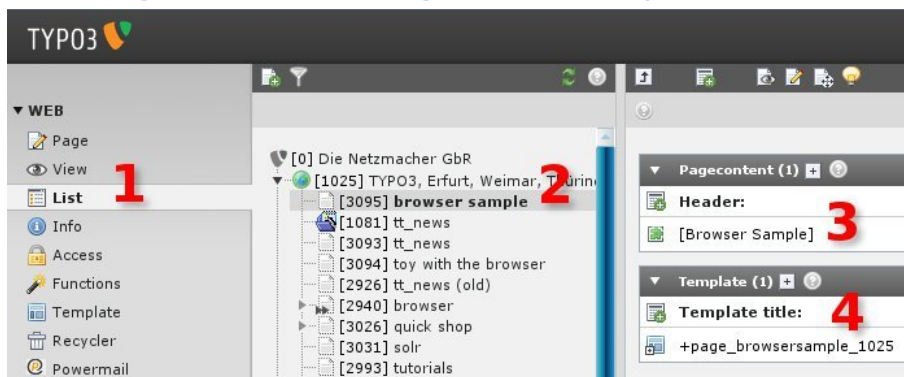


Illustration 13: The page TT-news with the Browser plugin and an extension template

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_pil {
    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]

General Plugin Access

Plugin: Browser

Plugin Options:

General Lists 1 Templatng Javascript/AJAX Mark

Social Media TCA Check List / Help Development

Title (substitutes ###\*\* TITLE###) 2

Browser Sample

Title Wrap (i.e. <h1>|</h1>)

Group Title Wrap (i.e. <h2>|</h2>)

Limit: records per page (from 1 to 1000)

20

Illustration 14: Browser plugin tab [Lists]

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

### [Templating]

General Plugin Access

Plugin: Browser

Plugin Options:

General Lists 3 Templatng Javascript/AJAX Mark

Social Media TCA Check List / Help Development

Tutorial

☐ Templating: [http://typo3.org/extensions/repository/view/browser\\_tut\\_t](http://typo3.org/extensions/repository/view/browser_tut_t)

Plugin: HTML template 4

Browser: Table (browser)

Data: query

No query available

Startingpoint: 5

tt\_news tt\_news [1081]

Illustration 15: 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

### Browser Sample



Illustration 16: List view

### Thüringen baut auf Job Market



Illustration 17: 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 "Error: Reference source not found"

Error: Reference source not found.



# Manual, tutorials and case stories

## 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](http://typo3.org/extensions/repository/view/browser/current/info/?tx_terfe_pi1%5BdownloadFile%5D=doc%252Fmanual.pdf)

## More detailed manual

The Browser has a more detailed manual. Please install the extension

- Browser manual (en)  
[http://typo3.org/extensions/repository/view/browser\\_manual\\_en/current/](http://typo3.org/extensions/repository/view/browser_manual_en/current/)
- Browser manual (en) PDF file  
[http://typo3.org/extensions/repository/view/browser\\_manual\\_en/current/info/?tx\\_terfe\\_pi1%5BdownloadFile%5D=doc%252Fmanual.pdf](http://typo3.org/extensions/repository/view/browser_manual_en/current/info/?tx_terfe_pi1%5BdownloadFile%5D=doc%252Fmanual.pdf)

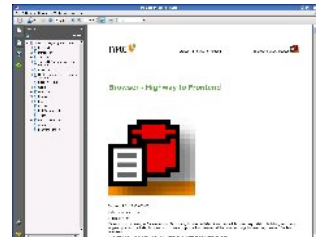


Illustration 18: PDF-Manual

## Tutorials

See Browser manual (en).

## Case stories

See Browser manual (en).



## Further Information

### Forum

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

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

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

### What's new?

See Browser manual (en).

### Update

See Browser manual (en).

### FAQ

See Browser manual (en).

### 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 19: The TYPO3-Frontend-Engine Browser Forum



Illustration 20: TYPO3 Forge



## About the plugin icon



Illustration 21: 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/](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 be 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/](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/](http://typo3.org/extensions/repository/view/logical_form/current/)
- Majordomo: For subscribing 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/](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/](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 properties 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/](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/>



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