



## Browser - TYPO3 without PHP

**This is an abstract only. The manual is an own extension.**  
**See: [browser\\_manual\\_en](#)**

Publish your data in list and single views! You don't need neither any own plugin nor any line PHP code. The Browser - TYPO3 without PHP - provides an index browser (a-z), a page browser, a record browser, a search form, filters, category menus, AJAX, GoogleMaps and OpenStreetMap by default.

Your data will be detected as objects, i.e. images will be wrapped automatically.

SEO - Search Engine Optimization - is supported.

The Browser enables the development of TYPO3-Extensions without any line PHP. TYPO3 developers and TYPO3 integrators will be eight times faster! The browser is very suitable for database development.



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The content of this document is related to TYPO3

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



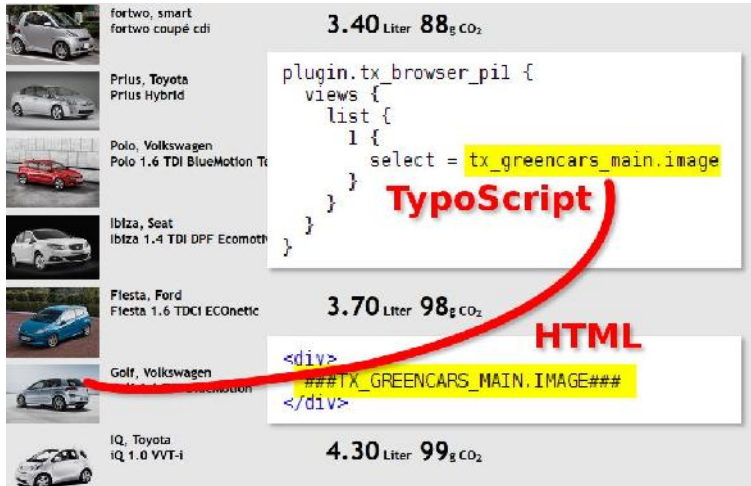
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## Screen shot

Key image: Develop TYPO3 eight times faster!



The screenshot shows a list of cars with their specifications and images. The cars listed are: fortwo, smart fortwo coupé cdi (3.40 Liter, 88g CO<sub>2</sub>), Prius, Toyota Prius Hybrid, Polo, Volkswagen Polo 1.6 TDI BlueMotion T, Ibiza, Seat Ibiza 1.4 TDI DPF Ecomoth, Fiesta, Ford Fiesta 1.6 TDCI ECOthetie (3.70 Liter, 98g CO<sub>2</sub>), Golf, Volkswagen, and IQ, Toyota IQ 1.0 VVT-i (4.30 Liter, 99g CO<sub>2</sub>). The screenshot highlights the use of TypoScript and HTML to render the car images.

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

Revolution for TYPO3 developers and TYPO3 integrators: If you like to publish you own database, you don't neither need any own plugin nor any line PHP code. The Browser – TYPO3 without PHP – investigate your database relations and your database fields. The extension turns every field of the database into a TypoScript object. Developers can save up to 85 percent of there operating expense.

## More screen shots in the manual

See

- Browser Manual  
HTML: [http://typo3.org/extensions/repository/view/browser\\_manual\\_en/](http://typo3.org/extensions/repository/view/browser_manual_en/)  
PDF: [http://typo3-browser.de/typo3conf/ext/browser\\_manual\\_en/doc/manual.pdf](http://typo3-browser.de/typo3conf/ext/browser_manual_en/doc/manual.pdf)
- Extension key: browser\_manual\_en



# Introduction

The Browser – TYPO3 without PHP – enables developers and integrators to develop own extensions without any own plugin and without any own line PHP code. If you are using the Browser, you will develop TYPO3 eight times faster. The Error: Reference source not found is illustrated on page Error: Reference source not found Error: Reference source not found.

## What does it do?

- 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 supported.
- 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. Filter can be check boxes, radio buttons, select boxes, lists and tree views.
- The Browser supports AJAX by default.
- The Browser supports to export data in CSV format and XML format (like RSS feeds).
- The modul BrowserMaps supports to publish your data with GoogleMaps and OpenStreetMap.
- The Browser is multiple plugin able: You can use the Browser plugins on a page unlimited.
- Plugins are able to control other plugins. They can hide or display it depending on URL parameters.
- 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.
- The Browser is supported by the DRS - Development Reporting System. The DRS displays both errors and workflows. For example: If you have problems with the performance, you can enable the performance report. The DRS investigates bottlenecks and if it will find some, it try to suggest a solution.
- You can extend the Browser with applications out-of-the-box – so called one-mouse-cklick-extensions like Organiser and Quick Shop. You can install the TYPO3 swiss knife (org) or the online shop quick\_shop – based on the Browser - with sample data and ready configured by one mouse click.
- The Browser is a team player: with the extensions wt\_cart and powermail you are able to build your own webshop without any own line PHP.
- The Browser supersedes the template engine Smarty.

## What do you need?

- Experience in TypoScript.
- The extension devlog, if you want to use the DRS – the Development Reporting System.

## 100% open source, 100% costless

- The Browser is 100% open source and 100% costless.
- We don't like so called premium versions or latest version with costs.



- We like a powerful TYPO3 community and a common development supported by integrators and developers.
- The latest Browser version is available at the SVN repository of TYPO3.

## 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.



## What's new in 4.4?

### API is improved

[4.4.0]

The API for rendering the map is improved:

- JavaScript code is established with namespaces. This avoids conflicts with other frameworks.
- The JavaScript code is splitted in several files. Each file is a module.
- See more improvements below.

### Compressed JSS-file by default

[4.4.0]

The API script is compressed by default. For debugging and development you can use the uncompressed files. See "Debugging" below.

### Debugging

[4.4.0]

The TypoScript Constant Editor is extended with the category "Debugging".

- You can enable the frontend error management. If there is an error, you will get an alert.
- You can include the uncompressed JSS files. This feature enables you to debug and develop the JavaScript API.

### GoogleMaps is supported

[4.4.0]

BrowserMaps is supporting GoogleMaps. You can choose GoogleMaps or Open Street Map by the Constant Editor.



# What's new in 4.3?

## BrowserMaps: Offset for categories

[4.1.25]

Categories can get an offset. If you have a lot of data, category icons will displayed with an offset.

## Group records

[4.3.0]

You can group records like in the Browser 3.x.

There is one difference only: The group field must part of the SQL statement from version 4.3.

You must use in your HTML template the marker for grouping. See the TypeScript snippet below.

```
plugin.tx_browser_pil {
    views {
        list {
            601 = +Org: Department
            601 {
                name      = +Org: Department
                showUid = departmentUid
                autoconfig < plugin.tx_browser_pil.autoconfig
                autoconfig {
                    relations.csvDontUseFields = tx_org_department.fe_users
                }
                select (
                    tx_org_department.title,
                    tx_org_department.telephone,
                    tx_org_department.fax,
                    tx_org_department.email,
                    fe_users.first_name,
                    fe_users.last_name,
                    tx_org_headquarters.mail_postcode,
                    tx_org_headquarters.mail_city,
                    tx_org_headquarters.mail_address,
                    tx_org_departmentcat.title
                )
                groupBy = tx_org_departmentcat.title
            }
        }
    }
}
```

## HTML: New HTML templates Main and Margin

[4.3.1]

The two HTML templates Main and Margin are added to the Browser. They are selectable in the plugin/flexform – see the tab [Templating], field "HTML".

Main is the template for rich content: the plugin is placed in the content area of your website usually. The HTML code supports the styling by jQuery UI themes.

Margin is the template for reduced content: the plugin is placed in the marginal columns of your website usually. The HTML code is small. It doesn't support AJAX, the index browser, the page browser nor jQuery UI themes. The margin HTML template doesn't contain the needed HTML code for a single view.

See the next section for more information below.

## HTML: TypeScript snippets for HTML templates

[4.3.0]

If you have a big website with a lot of views published by the Browser, you have needed a HTML template for each view. From version 4.3 it is possible, that you need one HTML template for all views only. The new feature saves a lot of time, if you improve the HTML layout of your website.

For example: The new feature enables to reduce the HTML templates of the Organiser from 15 to two HTML templates (see "Organiser" below).

The new TypeScript property htmlSnippets enables you to configure



- the HTML filter marker,
- the HTML data section of list views and
- the HTML data section of single views

by TypoScript.

See

- Browser Manual  
HTML: [http://typo3.org/extensions/repository/view/browser\\_manual\\_en/](http://typo3.org/extensions/repository/view/browser_manual_en/)  
PDF: [http://typo3-browser.de/typo3conf/ext/browser\\_manual\\_en/doc/manual.pdf](http://typo3-browser.de/typo3conf/ext/browser_manual_en/doc/manual.pdf)

Look for "htmlSnippets".

## jQuery: centralised configuration

[4.3.0]

The team play with jQuery is improved:

- The HTML classes of the Browser default templates are adapted to the needs of jQuery.
- jQuery UI configuration is centralised.

See

- Browser Tutorial JavaScript  
HTML: [http://typo3.org/extensions/repository/view/browser\\_tut\\_jss\\_en/](http://typo3.org/extensions/repository/view/browser_tut_jss_en/)  
PDF: [http://typo3-browser.de/typo3conf/ext/browser\\_tut\\_jss\\_en/doc/manual.pdf](http://typo3-browser.de/typo3conf/ext/browser_tut_jss_en/doc/manual.pdf)

## Organiser: Sample application for version 4.3

If you like to test an application, which has an own and a complex database, with the new Browser version 4.3, please take the Organiser – the extension for organisers and event managers.

The current Organiser (version 2.2) is based on the Browser 4.3.

You can install the Organiser with the Installer out of the box.

See

- Organiser Installer  
HTML: [http://typo3.org/extensions/repository/view/org\\_installer/](http://typo3.org/extensions/repository/view/org_installer/)

## Sample: Out of the box

[4.3.0]

The Browser provides a new template "Out of the box". It enables TYPO3 integrators, to install a Browser application out of the box. See

See

- Browser – TYPO3 without PHP – out of the box  
HTML: [http://typo3.org/extensions/repository/view/browser\\_manual\\_ootb\\_en/](http://typo3.org/extensions/repository/view/browser_manual_ootb_en/)  
PDF: [http://typo3-browser.de/typo3conf/ext/browser\\_manual\\_ootb\\_en/doc/manual.pdf](http://typo3-browser.de/typo3conf/ext/browser_manual_ootb_en/doc/manual.pdf)





# What's new in 4.1?

## Filter: tree view

[4.1.21]

- Treeview as hierarchical check-box.
- See; Browser Tutorial Filter and Search  
[http://typo3-browser.de/typo3conf/ext/browser\\_tut\\_search\\_en/doc/manual.pdf](http://typo3-browser.de/typo3conf/ext/browser_tut_search_en/doc/manual.pdf)

## OpenStreetMap

[4.1.23]

You can publish your data supported by OpenStreetMap. See

BrowserMaps Tutorial

[http://typo3-browser.de/typo3conf/ext/browser\\_tut\\_map\\_en/doc/manual.pdf](http://typo3-browser.de/typo3conf/ext/browser_tut_map_en/doc/manual.pdf)

## Record Browser

[4.1.8]

Record browser links back to the list view depending on the last configuration

## Registers

[4.1.13]

The Browser got new registers for the number of the current row (record) and the current column (element). Flags for the properties first, last and odd are supported also.

Registers are documented now. See Browser Manual (browser\_manual\_en).

## Tutorials

### New

#### BrowserMaps

[4.1.23]

You can publish your data supported by OpenStreetMap. See:

[http://typo3-browser.de/typo3conf/ext/browser\\_tut\\_map\\_en/doc/manual.pdf](http://typo3-browser.de/typo3conf/ext/browser_tut_map_en/doc/manual.pdf)

### Extended tutorials

#### Browser Tutorial CSV file, RSS feed and XML

[4.1.21]

The browser search engine. Filter your lists.

The tutorial is extended with a section for hierarchical check-boxes.

[http://typo3-browser.de/typo3conf/ext/browser\\_tut\\_search\\_en/doc/manual.pdf](http://typo3-browser.de/typo3conf/ext/browser_tut_search_en/doc/manual.pdf)



# What's new in 4.0

## Backend filter

[3.9.8]

You can extend the list view in the TYPO3 backend with filters. See

- Browser Tutorial Backend Filter  
[http://typo3-browser.de/typo3conf/ext/browser\\_tut\\_befilter\\_en/doc/manual.pdf](http://typo3-browser.de/typo3conf/ext/browser_tut_befilter_en/doc/manual.pdf)

## CSV export

[3.9.6]

You can export your data into a CSV file with one mouse click. Please refer to the

- Browser Tutorial CSV, RSS, XML  
[http://typo3-browser.de/typo3conf/ext/browser\\_tut\\_rss\\_en/doc/manual.pdf](http://typo3-browser.de/typo3conf/ext/browser_tut_rss_en/doc/manual.pdf)

## DAM sample

[3.9.15]

You can use the Browser for publishing data from the DAM extension (Digital Asset Management). See

- Browser Tutorial Download Module  
[http://typo3-browser.de/typo3conf/ext/browser\\_tut\\_downloads\\_en/doc/manual.pdf](http://typo3-browser.de/typo3conf/ext/browser_tut_downloads_en/doc/manual.pdf)

## Download management

[3.9.3]

You can manage downloads with the Browser. The Browser is counting hits and downloads – the base for TOP 10 lists. Downloads can be protected by the frontend access management of TYPO3. See

- Browser Tutorial Download Module  
[http://typo3-browser.de/typo3conf/ext/browser\\_tut\\_downloads\\_en/doc/manual.pdf](http://typo3-browser.de/typo3conf/ext/browser_tut_downloads_en/doc/manual.pdf)

## DRS - Warnings and Errors

[3.9.6]

You can select DRS "Warnings and Errors". If you interested in Warnings and Errors only, the DRS report is more clearly.

## Filter: conditions

[3.9.3]

You can define a display condition for a filter.

### Example for a requirement

You have the work flow:

- The visitor should select a category before viewing a list
- The list shouldn't contain the category filter, if a category was selected before

See

- Browser Tutorial Filter and Search  
[http://typo3-browser.de/typo3conf/ext/browser\\_tut\\_search\\_en/doc/manual.pdf](http://typo3-browser.de/typo3conf/ext/browser_tut_search_en/doc/manual.pdf)

## Filter: independent total hits

[3.9.6]

The displayed hits in front of or behind a filter item can calculated independent on the selected filters now. The tab [List view] in the plugin / flexform has the new property "Filter: total hits". Until version 3.9.6 total hits were controlled by the selection of the filters. If you like the former behaviour, you can setting it up here.



## Filter: tree view

[3.9.6]

- You can display a category menu as tree view.
- You need the extension cps\_tcatree. This extension enables to order items in a tree view.
- See; Browser Tutorial Filter and Search  
[http://typo3-browser.de/typo3conf/ext/browser\\_tut\\_search\\_en/doc/manual.pdf](http://typo3-browser.de/typo3conf/ext/browser_tut_search_en/doc/manual.pdf)

## Manual is split

[3.9.6]

The manual is split into an abstract and a manual in detail.

## Plugin check

[3.9.6]

The Browser evaluates itself: The first tab of the flexform is called [Plugin check]. The tab replaces the tab [Check list]. See Browser Manual (browser\_manual\_en).

## Statistic module

[3.9.3]

The Browser can count hits and downloads. See

- Browser Tutorial Download Module  
[http://typo3-browser.de/typo3conf/ext/browser\\_tut\\_downloads\\_en/doc/manual.pdf](http://typo3-browser.de/typo3conf/ext/browser_tut_downloads_en/doc/manual.pdf)
- Browser Tutorial Statistic  
[http://typo3-browser.de/typo3conf/ext/browser\\_tut\\_statistics\\_en/doc/manual.pdf](http://typo3-browser.de/typo3conf/ext/browser_tut_statistics_en/doc/manual.pdf)

## Tutorials

### New

#### Browser Tutorial Backend Filter

[3.9.8]

You can extend the list view in the TYPO3 backend with filters.

[http://typo3-browser.de/typo3conf/ext/browser\\_tut\\_befilter\\_en/doc/manual.pdf](http://typo3-browser.de/typo3conf/ext/browser_tut_befilter_en/doc/manual.pdf)

#### Browser Tutorial Calendar

[3.9.6]

Publish your data in form of a calendar. Be aware: Only day's schedule is supported in the current version.

[http://typo3-browser.de/typo3conf/ext/browser\\_tut\\_cal\\_en/doc/manual.pdf](http://typo3-browser.de/typo3conf/ext/browser_tut_cal_en/doc/manual.pdf)

#### Browser Tutorial Downloads

[3.9.6]

Manage your downloads with the Browser! The Browser takes care of user access rights. It is counting hits and visits for downloaded files. See Tutorial Statistics below.

[http://typo3-browser.de/typo3conf/ext/browser\\_tut\\_downloads\\_en/doc/manual.pdf](http://typo3-browser.de/typo3conf/ext/browser_tut_downloads_en/doc/manual.pdf)

#### Browser Tutorial Statistics

[3.9.6]

Manage your statistics data with the Browser! The Browser collects hits and visits for records and files. The statistics data is the basis for displaying the most frequented records or files. A good example are top 10 lists for news, products and records of your own database.

[http://typo3-browser.de/typo3conf/ext/browser\\_tut\\_statistics\\_en/doc/manual.pdf](http://typo3-browser.de/typo3conf/ext/browser_tut_statistics_en/doc/manual.pdf)



## Browser Tutorial Userfunc

[3.9.6]

The Browser provides some user defined functions (userFunc). The tutorial is a overview with the reference.  
[http://typo3-browser.de/typo3conf/ext/browser\\_tut\\_userfunc\\_en/doc/manual.pdf](http://typo3-browser.de/typo3conf/ext/browser_tut_userfunc_en/doc/manual.pdf)

## Extended tutorials

### Browser Tutorial CSV file, RSS feed and XML

[3.9.6]

Export your data into in CSV file (comma separated values). Publish your data in form of an RSS feed or in XML.  
 The tutorial is extended with the part for exporting and downloading your data in CSV files.  
[http://typo3-browser.de/typo3conf/ext/browser\\_tut\\_rss\\_en/doc/manual.pdf](http://typo3-browser.de/typo3conf/ext/browser_tut_rss_en/doc/manual.pdf)



### Browser Tutorial Search and Filter

[3.9.6]

The browser search engine. Filter your lists.

The tutorial is extended with a chapter for tree views.

[http://typo3-browser.de/typo3conf/ext/browser\\_tut\\_search\\_en/doc/manual.pdf](http://typo3-browser.de/typo3conf/ext/browser_tut_search_en/doc/manual.pdf)



# Manual

See

- Browser Manual  
HTML: [http://typo3.org/extensions/repository/view/browser\\_manual\\_en/](http://typo3.org/extensions/repository/view/browser_manual_en/)  
PDF: [http://typo3-browser.de/typo3conf/ext/browser\\_manual\\_en/doc/manual.pdf](http://typo3-browser.de/typo3conf/ext/browser_manual_en/doc/manual.pdf)