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 and in maps! 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.

Version: 4.9.0 - 2014-05-02

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

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The content of this document is related to TYPO3

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

Table of Contents

Screen shot

Key image: Develop TYPO3 eight times faster!
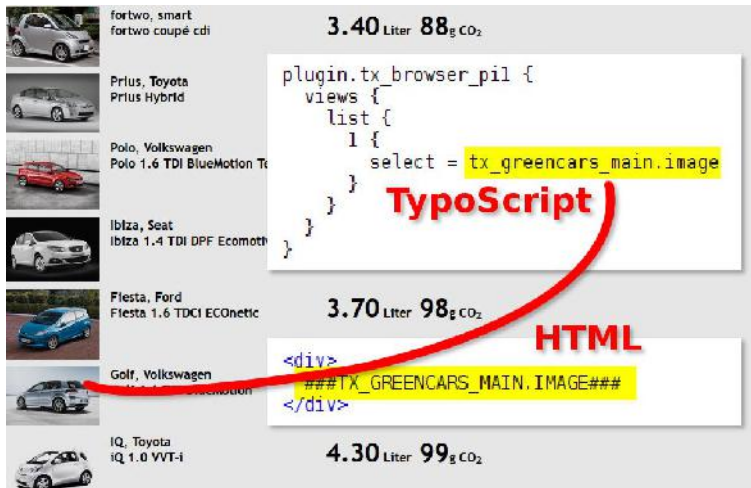
Illustration 1: Amazing - you need one line TypoScript to render an image.

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/
  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 workflow is illustrated in the Browser manual at http://typo3.org/extensions/repository/view/browser_manual_en/

What does it do?

- With one line TypoScript you will get a result list with a search form, a page browser and an index 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).

- BrowserMaps – the Browsers map module – enables you, to publish your data with Google Maps 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 work flows. 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 TYPO3 Organiser and TYPO3 Quick Shop. You need one click for a ready to use application with sample data, sample images, sample forms and sample maps!

- The Browser is a team player: with the extensions TYPO3 Caddy and TYPO3 Powermail you are able to build your own webshop without any own line PHP.

- The Browser supersedes template engines like Smarty.

What do you need?

- TYPO3 from 4.5 to 6.1

- 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. The unwanted effect is: this models slowdown development by third parties like you or other agencies.

- 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

  - neither FAL (File Abstraction Layer)

  - nor versioning

  - nor workspaces.

- The Browser hasn't any interface for frontend editing.

What's new in 4.9

Filter: AND

[4.8.8]

Filter items can queried by OR and AND.

See

- • Browser Tutorial Filter and Search
  http://typo3-browser.de/typo3conf/ext/browser_tut_search_en/doc/manual.pdf

Filter: Checkboxes for Selectbox

[4.8.8]

If you are using a selectbox in the backend, you can render the items both ways in the frontend:

- • as selectbox or

- • as checkboxes.

See

- • Browser Tutorial Filter and Search
  http://typo3-browser.de/typo3conf/ext/browser_tut_search_en/doc/manual.pdf

TYPO3 6.1

[4.8.10]

The Browser should be fit for TYPO3 6.1. Especially:

- • Documents will rendered without any conflict with the FAL.

- • Proper form in the extension manager.

What's new in 4.8?

BrowserMaps / Custom Map: controlling of map visibility

[4.8.5]

If you are using a custom map, you can controll the visibility of the wms (Google Maps or OpenStreetMap) with the property: wmsVisibility. wmsVisibility is false by default. See

```
configuration = {
                language      : 'de'        //  default | en | de
        , ...
        , customMap     : {
            type: 'Image'
          , ...
          , wmsVisibility : true
        }
```

BrowserMaps / Routes: controlling the error prompt

[4.7.0]

Configurable error prompt in case of missing categories / marker (POI). See

- TypoScript Constant Editor > Browsermaps – Debugging > Route Relations

BrowserMaps / Routes: evaluation of relations

[4.8.5]

If an editor saves a route record (path, marker (POI) and category), the Browser – TYPO3 without PHP – evaluates the relations. If there is an unproper relation, the editor will get a prompt.

jQuery: live() -> on()

[4.8.4]

The Browser javascript is using the jQuery method on() instead of live(). live() is supported by jQuery to version 1.8 only.

Radial Search (Umkreissuche)

[4.7.0]

You can geocode your address data automatically. See the Tutorial BrowserMaps at

- http://typo3.org/extensions/repository/view/radialsearch/

Recursion Guard – configurable by Constant Editor

[4.8.5]

The recursion guard is configurable by the constant editor. See

- TypoScript Constant Editor > Browser – Advanced > Recursion Guard

The Browser checks fault-prone loops by the recursion guard limit. If a loop cross this limit, the workflow will exit. You will get an error prompt in the frontend. The limit is by default 10.000 runs per one loop.

User function: render_table

[4.8.0]

tt_content.table.20 can used by tt_content records only.

The Browser extends tt_content.table.20 for every database. See

- a TypoScript example
- and further information

at

- HTML http://typo3.org/extensions/repository/view/browser_tut_userfunc_en

- PDF http://typo3-browser.de/typo3conf/ext/browser_tut_userfunc_en/doc/manual.pdf

Quick Shop is using this method for datasheets.

tt_address tutorial (german)

[4.7.0]

Matthias Haack has written and published a tutorial for tt_address and the Browser – TYPO3 without PHP.

The tutorial is in German language. See

- http://blog.matthaa.de/die-typo3-extension-browser-typo3-without-php-anwendungsbeispiel-mit-tt_address-daten/

Matthias Haak is Certified TYPO3 Integrator. See http://www.matthaa.de

TYPO3 6.x

[4.7.4]

The Browser – TYPO3 without PHP – is fit for TYPO3 6.x.

What's new in 4.6?

Automatic Geocoding

[4.5.15]

You can geocode your address data automatically. See the Tutorial BrowserMaps at

- http://typo3.org/extensions/repository/view/browser_tut_map_en/

BrowserMaps Mobile

[4.5.15]

BrowserMaps – the map module of the Browser – can optimize maps for touch screens (mobile devices). This feature is fit but under development. See the Tutorial BrowserMaps at

- http://typo3.org/extensions/repository/view/browser_tut_map_en/

Constant Editor is extended

[4.5.15]

The Constant Editor has some new properties:

- alias for showUid
- a lot of new properties for BrowserMaps. See the Tutorial BrowserMaps at http://typo3.org/extensions/repository/view/browser_tut_map_en/
- placement controlling of JSS scripts

oxMap without jQuery

[4.5.6]

oxMap, the map rendering API for the TYPO3 frontend, is updated from 1.2 to 1.3.

Version 1.3

- doesn't need any longer jQuery and
- supports the rendering of routes.

Placement controlling of JSS scripts

[4.5.10]

You can place JSS script at the top or at the bottom of your HTML code. Placement is controlled by the TypoScript Constant Editor.

Route

[4.5.7]

You can publish routes – paths with marker (POI). See

- the Tutorial BrowserMaps at http://typo3.org/extensions/repository/view/browser_tut_map_en/
- TYPO3 Route live at http://typo3-route.de/ in the TYPO3 repository at http://typo3.org/extensions/repository/view/route/

What's new in 4.5

Browser +Calendar

[4.5.2]

Periods are handled over days. If a period is longer than one day, the calender displays it proper.

BrowserMaps

Debugging Mode with Layer Switcher

[4.4.4]

You can enable a debugging mode by the Constant Editor. In this mode you will get JavaScript alerts, if something went wrong. In debugging mode you have a layer switcher. The layer switcher enables to display or hide the map view of GoogleMaps and OpenStreetMap and to display or hide your individual designed map.

GoogleMaps

[4.4.6]

The Browser Map module (BrowserMaps) supports GoogleMaps. The TYPO3 integrator can switch between GoogleMaps and OpenStreetMap in the Constant Editor with one mouse click.

Because of this feature BrowserMaps got a new map API.

Debugging

[4.5.0]

JavaScript alerts (for debugging) can enabled and disabled by the Constant Editor.

TYPO3 6.x Compatibility

[4.5.0]

The Browser should be compatible with TYPO3 6.x. The Browser is downwards compatible and is running in TYPO 4.x too.

The current Browser version 4.5.3 is tested in TYPO3 4.5, 4.6 and 4.7.

What's new in 4.4?

BrowserMaps

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.

cHash for single view

[4.4.3]

BrowserMaps: cHash in links to the single view

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 select GoogleMaps or Open Street Map by the Constant Editor. See:

- BrowserMaps Tutorial
  http://typo3-browser.de/typo3conf/ext/browser_tut_map_en/doc/manual.pdf

t3jquery

dontIntegrateOnUID

[4.4.0]

The Browser respects the t3jquery extension manager configuration "dontIntegrateOnUID".

Now it is possible to use t3jquery website wide but not for pages with the Browser plugin.

If you are using the rotation of views (modes), you should not use t3jquery. It seems that t3jquery doesn't include the jquery Effects library successful. You will get an JSS error like: $(...).effect is not a function.

Update

[4.4.0]

jQuery is updated from version 1.6.2 to 1.8.3

treeView

[4.4.1]

Tree view can enabled and disabled 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 TypoScript snippet below.

```
plugin.tx_browser_pi1 {
  views {
    list {
      601 = +Org: Department
      601 {
        name   = +Org: Department
        showUid = departmentUid
        autoconfig < plugin.tx_browser_pi1.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: TypoScript 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 TypoScript 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/
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/
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/

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/
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

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

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

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

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

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

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

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

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

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

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

- Browser Tutorial Statistic
  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

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

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

Browser Tutorial Statistics

[3.9.6]

Manage your statistics data with the Browser! The Browser collects hits and vistis 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

Browser Tutorial Userfunc

[3.9.6]

The Browser provides some user defined functions (userFunc). The tutorial is a overwiew with the reference.
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

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

Manual

See

- Browser Manual
  HTML: http://typo3.org/extensions/repository/view/browser_manual_en/
  PDF: http://typo3-browser.de/typo3conf/ext/browser_manual_en/doc/manual.pdf