



## Browser Tutorial Search and Filter (en)

Provide a search form and filters for your data on your website. The Browser - the TYPO3-Frontend-Engine - enables searching and filtering in every database. The Browser enables to search in areas like from last month to next month or from 10.000 EUR to 20.000 EUR. Category menus can display in form of a tree view.



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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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# Screen Shots

## Frontend

### Colored search words



Illustration 1: Result with six search words

### Tree view and select boxes

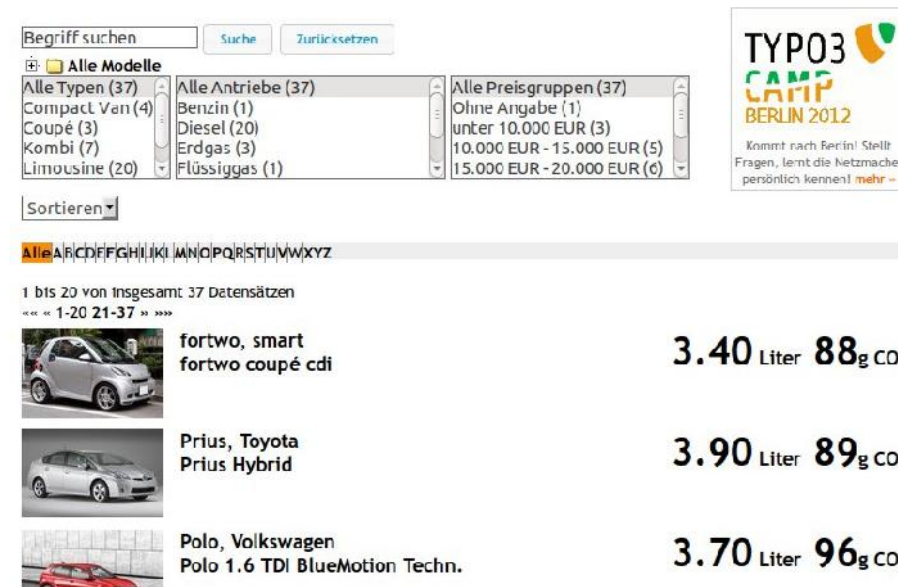


Illustration 2: tree view and select boxes on <http://gruene-autos.org/>

The Browser enables you, to move every category table to a filter.

In the illustration above are four category tables used:

- Manufacturer and models
- Car types
- Engines
- Price-brackets



Begriff suchen

- Alle Modelle (37)
  - Audi (1)
  - Daihatsu (1)
  - Ford (2)
  - Honda (3)
  - Mazda (1)
  - Nissan (1)
  - Opel (4)
  - Renault (2)
    - Modus (1)
    - Scenic (1)
  - Seat (1)
  - Skoda (2)
  - smart (3)
  - Suzuki (1)
  - Toyota (2)
  - Volkswagen (11)
  - Volvo (2)

Alle Typen (37)	Alle Antriebe (37)	Alle Preisgruppen (37)
Compact Van (4)	Benzin (1)	Ohne Angabe (1)
Coupé (3)	Diesel (20)	unter 10.000 EUR (3)
Kombi (7)	Erdgas (3)	10.000 EUR - 15.000 EUR (5)
Limousine (20)	Flüssiggas (1)	15.000 EUR - 20.000 EUR (6)

Sortieren ▾



Illustration 3: tree view is animated

Begriff suchen


- Alle Modelle
  - Fiesta (1)

Alle Typen (1)	Alle Antriebe (1)	Alle Preisgruppen (1)
Limousine (1)	Diesel (1)	10.000 EUR - 15.000 EUR (1)

Sortieren ▾



Alle ABCDEFGHIJKLMNOPQRSTUVWXYZ



Fiesta, Ford

Fiesta 1.6 TDCi ECOnetic

**3.70** Liter **98<sub>g</sub>** CO<sub>2</sub>

#### Demo-Website für TYPO3-Entwickler

Dies ist die Demo-Website für TYPO3-Entwickler. Ein Tutorial zeigt am Beispiel von Grüne Autos Schritt für Schritt, wie TYPO3-Entwickler komplexe Datenbanken in nur drei Stunden selbst programmieren können.

Grüne Autos basiert auf dem Browser - TYPO3 ohne PHP. Der Browser ermöglicht die Entwicklung von TYPO3-Erweiterungen ohne eine einzige Zeile PHP. Der Aufwand für Entwickler reduziert sich auf bis zu ein Achtel, die Entwicklung geht bis zu acht Mal schneller.

Illustration 4: Filter can control itself: items without any hit will hidden.

See the tutorial 'Green Cars - Dynamic Filter' on page 35 below.



## Check boxes

Suche nach TYPO3 Extensions

Begriff suchen:  Suche in:

Status Label (z.B. alpha, beta, stable, ...)

☐ Alpha (1435) ☐ Beta (1902) ☐ Experimental (125)

☐ Obsolete (210) ☐ Other (27) ☐ Stable (1819)

☐ Test (38)

Kategoriebezeichnung

☐ Backend (521) ☐ Documentation (0) ☐ Example (196)

☐ Frontend (1050) ☐ Miscellaneous (784) ☐ Module (397)

☐ Plugin (2410) ☐ Services (142) ☐ Templates (34)

Sortieren nach:

[Suchergebnis mit den aktuellen Sucheinstellungen als RSS-Feed abonnieren](#)

Alle [0-9](#) [A](#) [B](#) [C](#) [D](#) [E](#) [F](#) [G](#) [H](#) [I](#) [J](#) [K](#) [L](#) [M](#) [N](#) [O](#) [P](#) [Q](#) [R](#) [S](#) [T](#) [U](#) [V](#) [W](#) [X](#) [Y](#) [Z](#) [Andere](#)

Illustration 5: Example with check boxes.

## Category menu and areas

Montag (5) Dienstag (7) Mittwoch (7) Donnerstag (9) Freitag (7) Samstag (9) Sonntag (3)

Alle Plätze	Reitbahn I	Reitbahn II	Allwetterplatz	Dressurviereck/Zelt
Mo, 13. Jun				
08:00 - 11:00			R	R
11:00 - 14:00			R	R
14:00 - 17:00	R		R	R
17:00 - 20:00	R	V	R	R
20:00 - 23:00		V		R

Illustration 6: Example for a category menu and an area

The illustration above displays a category menu: a filter in form of a list.

And this list is an area. Area means values from one value to a value like from the first day of this week to the last day of this week.

## Backend

Edit Green Cars "Fiesta 1.6 TDCi ECONetic" on page "Grün"

Hide: ☐

Manufacturer and models

Selected Items:

Ford  
Fiesta

Available Items:

- Green Cars: Manufa
  - Audi
  - Daihatsu
  - Ford**
    - Fiesta**
    - Focus
  - Honda
  - Mazda

Illustration 7: Treeview in the backend



# Introduction

## What does the Tutorial do?

This is a tutorial for the extension Browser (extkey: browser).

It is only

- a step-by-step introduction for the configuration of the search functionality and filters.

If you are interested in other issues, please note the section "Further Informations" below.

## What does the Browser Search and Filter do?

### Search

- Searching in displayed and in non displayed columns.
- Searching for words and phrases. Example:
  - Sword: "My Phrase" Word another word
  - Will search for "My Phrase" or "Word" or "another" or "word".
- The search is case insensitive.
- The search is configurable:
  - You can search in every column of every table. It doesn't matter, if table or field are displayed in the current view.
  - You can configure the search form and the colours of the result items among others.

### Filter

- Filter your data by category menus, checkboxes, radiobuttons, selectboxes and treeviews
- Filter are configurable. Examples for possibilities:
  - Items are cObjects
  - You can add a first item like "All Cars"
- Filter are dynamically. If there isn't any hit, filter items won't be displayed. It's configurable.
- Filter count hits. It's configurable.
- Filter can handle data areas. Example for a data area: from January to December, from 10.000 EUR to 20.000 EUR

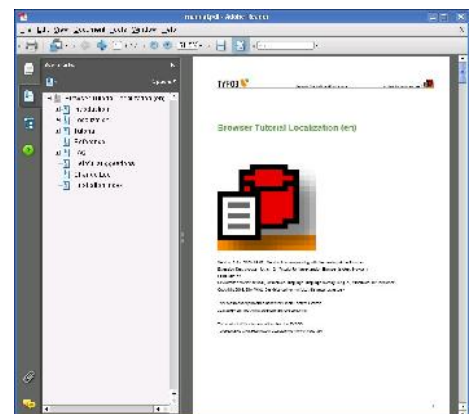


Illustration 8: Tutorial in PDF format

## Further Information

### This tutorial in PDF format

You find this manual as PDF file at

- doc/manual.pdf
- [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)

### Browser Manual and Browser Tutorial Basics

Manual: The Browser has it's own manual (with the reference of course).

- HTML [http://typo3.org/documentation/document-library/extension-manuals/browser\\_manual\\_en/current/](http://typo3.org/documentation/document-library/extension-manuals/browser_manual_en/current/)
- 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)

Tutorial Basics: A lot of step-by-step introductions.

- HTML: [http://typo3.org/documentation/document-library/extension-manuals/browser\\_tut\\_basics\\_en/current/](http://typo3.org/documentation/document-library/extension-manuals/browser_tut_basics_en/current/)
- PDF: [http://typo3-browser.de/typo3conf/ext/browser\\_tut\\_basics\\_en/doc/manual.pdf](http://typo3-browser.de/typo3conf/ext/browser_tut_basics_en/doc/manual.pdf)





# Tutorial search

## Example with tt\_news

### Requirements

You need

- the extension Browser of course
- the extension tt\_news<sup>1</sup>
- a page with
  - the plugin browser
    - set in the tab [General] the type of the header to hidden
    - set in the tab [Plugin] the startingpoint to your sysfolder with the news records
  - an extension template
    - with the include static template of the browser
    - and in the setup field the TypoScript from below.

### TypoScript

```
plugin.tx_browser_pil {
    views {
        list {
            1 {
                select = tt_news.title, tt_news_cat.title
            }
        }
        single {
            1 {
                select = tt_news.title, tt_news.short, tt_news.bodytext, tt_news_cat.title
            }
        }
    }
}
```

This is the TypoScript for

- a list view with the fields tt\_news.title and tt\_news\_cat.title and
- a single view with the fields tt\_news.title, tt\_news.short, tt\_news.bodytext, tt\_news\_cat.title.

### Result in the Frontend

The Result in the frontend should look like the screen shot below, if you are using the German language:

#### Meine Liste

Begriff suchen

Alle 0-9 A B C D E F G H I J K L M N O P Q R S T U V W X Y Z Andere

1 bis 20 von insgesamt 64 Datensätzen

« « 1-20 21-40 41-60 61-64 » » »

Klicken Sie auf einen Buchstaben oder senden Sie eine Suchabfrage.

Illustration 9: Frontend with a simple example with tt\_news

<sup>1</sup> You can take every other extension, but than you need a TypoScript with its tables and fields instead of tt\_news.



## Test it!

Familiarize you with the search.

### Example with two words

Search for the words: Browser Erweiterung

#### Meine Liste

browser erweiterung Suche Zurücksetzen

Suche nach **browser** und **erweiterung** hat folgendes Ergebnis:

AlleABCDEFGHIJKLMNOPQRSTUVWXYZ

1 bis 9 von insgesamt 9 Datensätzen

« « 1-9 » » »

Titel:	Titel:
Bequem durch die Daten browsen <b>erweiterung</b>	<b>erweiterung</b>
<b>browser</b> in Jena <b>erweiterung</b>	<b>erweiterung</b>
<b>browser</b> in Leipzig <b>erweiterung</b>	<b>erweiterung</b>
Extension: SEO dynamic tag <b>erweiterung</b>	<b>erweiterung</b>
Neue Features für tt_news <b>erweiterung</b>	<b>erweiterung</b>
Plugin für Mailinglisten <b>erweiterung</b>	<b>erweiterung</b>
Präsentation in Halle <b>erweiterung</b>	<b>erweiterung</b>
Typo3-Extension: Logical Form <b>erweiterung</b>	<b>erweiterung</b>
WebMail <b>erweiterung</b>	<b>erweiterung</b>

Illustration 10: List view with marked search words

#### browser in Leipzig

Zurueck

Untertitel: Präsentation bei der TYPO3 Usergroup Leipzig

Text: Die Netzmacher stellen das Release der TYPO3 Extension **browser** am 18. Mai in Leipzig vor. Weitere Informationen finden Sie auf der Website der TYPO3 User Group Leipzig

Titel: **erweiterung**

Zurueck

Illustration 11: Single view with marked search words

### Example with seven words

Search for seven words: Browser Erweiterung Bequem durch die Daten browsen

#### Meine Liste

Browser Erweiterung Bequem Suche Zurücksetzen

Suche nach **Browser** und **Erweiterung** und **Bequem** und **durch** und **die** und **Daten** und **browsen** hat folgendes Ergebnis:

AlleABCDEFGHIJKLMNOPQRSTUVWXYZ

1 bis 14 von insgesamt 14 Datensätzen

« « 1-14 » » »

Titel:	Titel:
Ab heute <b>die</b> Netzmacher	Aufmacher
<b>Bequem durch die Daten browsen</b> <b>Erweiterung</b>	<b>Erweiterung</b>
<b>Browser</b> in Jena <b>Erweiterung</b>	<b>Erweiterung</b>
<b>Browser</b> in Leipzig <b>Erweiterung</b>	<b>Erweiterung</b>
<b>die</b> Netzmacher	Links-Oben
<b>die</b> Wahrheit über <b>die</b> Rente	Aufmacher
<b>durch</b> Wolken und Wände	Aufmacher
Extension: SEO dynamic tag <b>Erweiterung</b>	<b>Erweiterung</b>
Geänderte Zugangs <b>Daten</b>	Links-Unten
Neue Features für tt_news <b>Erweiterung</b>	<b>Erweiterung</b>
Plugin für Mailinglisten <b>Erweiterung</b>	<b>Erweiterung</b>
Präsentation in Halle <b>Erweiterung</b>	<b>Erweiterung</b>
Typo3-Extension: Logical Form <b>Erweiterung</b>	<b>Erweiterung</b>

Illustration 12: List view with marked search words

#### Bequem durch die Daten browsen

Zurueck

Untertitel: think visually: Neue TYPO3-Extension

Text: TYPO3 ist bekannt dafür, dass man in Null-Komma-Nichts komplexe **Datenbankmodelle** einrichten und **Daten** einpflegen kann. Jetzt ist es noch einfacher geworden, **die Daten** aus dem CMS wieder "herauszuholen". think visually! hat eine neue TYPO3-Extension veröffentlicht, mit der komplexe **Datenbankmodelle** schnell und **Bequem** veröffentlicht werden können. **die** neue Extension Frontend-Database-**Browser** (extkey: fe\_db\_**Browser**) generiert dabei vieles automatisch. Etwa

- Suchformular
- **Datensatz-Browser**
- Registerblätter
- Suchmaschinenoptimierung (SEO)

#### Freiheit der Grafiker

Der Clou: HTML-Code und Workflow sind vollständig getrennt, Designer haben

Illustration 13: Single view with marked search words





## With words and phrases

Search for words and phrases: Browser Erweiterung "Bequem durch die Daten browsen"

### Meine Liste

Browser Erweiterung "Bequem durch die Daten browsen" Suche Zurücksetzen  
Suche nach **Browser** und **Erweiterung** und **Bequem durch die Daten browsen** hat folgendes Ergebnis:

AlleABCDEFGHIJKLMNOPQRSTUVWXYZ

1 bis 9 von insgesamt 9 Datensätzen

« « 1-9 » » »

Titel:	Titel:
Bequem durch die Daten browsen	Erweiterung
Browser in Jena	Erweiterung
Browser in Leipzig	Erweiterung
Extension: SEO dynamic tag	Erweiterung
Neue Features für tt_news	Erweiterung
Plugin für Mailinglisten	Erweiterung
Präsentation in Halle	Erweiterung
Typo3-Extension: Logical Form	Erweiterung
WebMail	Erweiterung

Illustration 14: List view with marked words and phrases

### Bequem durch die Daten browsen

Zurück

**Untertitel:** think visually: Neue TYP03-Extension  
TYP03 ist bekannt dafür, dass man in Null-Komma-Nichts komplexe Datenbankmodelle einrichten und Daten einpflegen kann. Jetzt ist es noch einfacher geworden, die Daten aus dem CMS wieder "herauszuholen". think visually! hat eine neue TYP03-Extension veröffentlicht, mit der komplexe Datenbankmodelle schnell und bequem veröffentlicht werden können. Die neue Extension Frontend-Database-Browser (extkey: fe\_db\_Browser) generiert dabei vieles automatisch. Etwa

- Suchformular
- Datensatz-Browser
- Registerblätter
- Suchmaschinenoptimierung (SEO)

Illustration 15: Single view with marked words and phrases



## Configuring the search form

### Configuring with the Plugin

Pagecontent [1734] - [Browser (en)]

General Plugin Access

Plugin: Browser

Plugin Options:

General **1** Lists Templating Marker & RealUrl TCA Check List

Title (substitutes ###MY\_TITLE###)  
News

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

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

Limit: records per page (from 1 to 1000)  
3

Display: Navigation  
☐ A-Z- Browser ☒ Page Browser

Display: Records  
☐ Empty List at Start

**2** Search  
Configured

Search: Tutorials  
☐ Search: [http://typo3.org/extensions/repository/view/browser\\_tut\\_search\\_en/current/](http://typo3.org/extensions/repository/view/browser_tut_search_en/current/)

Search: Form  
☒ Display the form ☒ with result phrase  
☒ with colored swords (list view) ☐ with colored swords (single view)

Search: Checkpoint for colored search words in the single view  
☐ Yes, I know, there will be a piVar for the sword. The sword in the URL isn't good for search engines in general.

Search: wildcards  
Self-acting (recommended)

Search: char for a wildcard (i.e. "\*")  
\*

Illustration 16: The Browser plugin. Tab [List] (1) with the search menu (2)

1. Plugin Tab [Lists]
2. Set the Search mode to [Configured]

#### Comment

- Search: Tutorials  
Dummy check box for information only. link to the online tutorial
- Search: Form
  - [X] Display the form
  - [X] with result phrase  
Result phrase will appear below the form.



- [X] with colored swords (list view)  
Search words will be colored in the list view. But there is an exclusion: Search words linked values won't be colored.
- [ ] with colored swords (single view)  
Search words will be colored in the single view. But there are some exclusions: Search words in children records and linked values won't be colored.
- Search: Checkpoint for colored search words in the single view  
Dummy check box for information only.  
If you have the search word in the URL, you can get different links to the same content. Search engines doesn't like it!
- Search: wild-cards
  - Self-acting (recommended)  
Search words will wrapped with wild-cards by default
  - User have to add wild-cards
- Search: char for a wild-card  
You can use another wild-card. Be aware that are conflicts with the SQL queries: '%' isn't possible for example.

## List without any Search Form

### Meine Liste

Begriff suchen

Alle0-9ABCDEFGHIJKLMN0PQRSTUVWXYZAndere

1 bis 20 von insgesamt 64 Datensätzen

« « 1-20 21-40 41-60 61-64 » » »

Klicken Sie auf einen Buchstaben oder senden Sie eine Suchabfrage.

Illustration 17: List view with the search form

### Meine Liste

Alle0-9ABCDEFGHIJKLMN0PQRSTUVWXYZAndere

1 bis 20 von insgesamt 64 Datensätzen

« « 1-20 21-40 41-60 61-64 » » »

Klicken Sie auf einen Buchstaben oder senden Sie eine Suchabfrage.

Illustration 18: List view without any search form

## Search Form without any Result Phrase

### Meine Liste

browser erweiterung

Suche nach browser und erweiterung hat folgendes Ergebnis:

AlleABCDEFGHIJKLMN0PQRSTUVWXYZ

1 bis 9 von insgesamt 9 Datensätzen

« « 1-9 » » »

Titel:	Titel:
Bequem durch die Daten browsen	erweiterung
browser in Jena	erweiterung
browser in Leipzig	erweiterung
Extension: SEO dynamic tag	erweiterung
Neue Features für tt_news	erweiterung
Plugin für Mailinglisten	erweiterung
Präsentation in Halle	erweiterung

Illustration 19: Search form with result phrase

### Meine Liste

Browser Erweiterung

AlleABCDEFGHIJKLMN0PQRSTUVWXYZ

1 bis 9 von insgesamt 9 Datensätzen

« « 1-9 » » »

Titel:	Titel:
Bequem durch die Daten browsen	Erweiterung
Browser in Jena	Erweiterung
Browser in Leipzig	Erweiterung
Extension: SEO dynamic tag	Erweiterung
Neue Features für tt_news	Erweiterung
Plugin für Mailinglisten	Erweiterung
Präsentation in Halle	Erweiterung
Typo3-Extension: Logical Form	Erweiterung
WebMail	Erweiterung

Illustration 20: Search form without any result phrase

## Configuring the Result Phrase

If you want change the phrase of the result phrase, please configure

```
plugin.tx_browser_pil.displayList.display.searchform.resultPhrase {
    searchFor.value = Search for
    searchFor.lang.de = Suche nach
    ...
}
```



## Search results with other Colors

If you like to want less, more or other colors for the search result, please configure the array wrapSwordInResult.

Be aware that displayList and displaySingle have there own search form array.

```
// List View

plugin.tx_browser_pil.displayList.display.searchform {
    searchform {
        wrapSwordInResults {
            0 {
                wrap = <span style="background:#ffff7f">|</span>
            }
            1 {
                wrap = <span style="background:#b3ffb2">|</span>
            }
            ...
        }
    }
}

// Single View

plugin.tx_browser_pil.displaySingle.display.searchform {
    searchform {
        wrapSwordInResults {
            0 {
                wrap = <span style="background:#ffff7f">|</span>
            }
            1 {
                wrap = <span style="background:#b3ffb2">|</span>
            }
            ...
        }
    }
}
```

## Extending the search

Usually visitors of a website can search in the displayed columns only.

The Browser enables to search in every table and field you like - independing of the display mode.

## Example

You want to display in the list view only the fields: tt\_news.title, tt\_news\_cat.title.

But the visitor should search in the fields: tt\_news.title, tt\_news.short, tt\_news.bodytext.

## TypoScript

```
plugin.tx_browser_pil {
    views {
        list {
            1 {
                select = tt_news.title, tt_news_cat.title
                search = tt_news.title, tt_news.short, tt_news.bodytext
            }
        }
    }
}
```



## Search and filter

By default the search doesn't respect any filter. This has an effect only, if you are using filters or a category menu.

The effect is, that

## Security

### The Minimum Length of a Sword Word

The default for the minimum length of a sword word is three chars. If a word is shorter, it will be removed from the sword.

If you want to increase or decrease the minimum length, please configure minLenWord:

```
plugin.tx_browser_pil.advanced {
    security {
        sword {
            minLenWord = 3
        }
    }
}
```

### MySQL Security: add Slashes

The Browser secures swords with the PHP method `mysql_real_escape_string()`.

`mysql_real_escape_string()` adds slashes to `\x00`, `\n`, `\r`, `\`, `'`, `"` and `\x1a`, but not to `\%`.

The Browser adds a slash to `\%` too. If you don't like it, please configure `csvChars`:

```
plugin.tx_browser_pil.advanced {
    security {
        sword {
            addSlashes {
                csvChars = %
            }
        }
    }
}
```

If you need slashes for more than the `\%`, please add the chars to `csvChars` comma separated like in the code below:

```
plugin.tx_browser_pil.advanced {
    security {
        sword {
            addSlashes {
                csvChars = %, ` , '
            }
        }
    }
}
```





# Tutorial filters and a category menu

You can extend the search form with filters in form of

- checkboxes,
- radiobuttons and
- selectboxes.

And you can add a

- category menu

to your HTML template within or without the search form.

## The Common Ground

### Both have the same Effect

There is no difference between filters and a category menu in principle. Both enables the visitor of your website to search structured. Structured means:

Visitors can limit the amount of records – they can search for data – by given categories like:

- Display all news with the category “society”.
- Display all events, which will happen “next week”.

The difference between filters and a category menu isn't the effect but the rendered HTML code.

## The Difference

### Filters are a Part of an HTML Form

Filters have to be rendered as a COA object CHECKBOX, RADIOBUTTON or SELECTBOX. All of them are a part of an HTML form. Non item of them will be rendered as a link directly. All of them have to be placed within the Marker `###SEARCHBOX###`.

#### AJAX

Because of AJAX filters have to stand outside the `<div class="listarea">`.

### A Category Menu is a List of Links

But every items of a CATEGORY\_MENU will be rendered as a link like the items of your main menu. A CATEGORY\_MENU isn't a part of a form. A CATEGORY\_MENU has to be placed within the marker `###CATEGORY_MENU###`.

#### AJAX

Because of AJAX filters have to stand inside the `<div class="listarea">`.

#### Disabled by default

The subpart `###CATEGORY_MENU###` is disabled by TypoScript by default. The subpart will removed from the HTML template – you won't have any waste in your code.

If you are using the category menu please enable in your global or local configuration:

```
displayList.display.category_menu = 1
```

## Workflow

1. Add to your template the table.field, which should used as a filter or category menu
  1. You have to place it within the `###SEARCHBOX###` marker, if you like to use a filter as a checkbox, radiobutton or selectbox.
  2. You have to place it within the `###CATEGORY_MENU###` marker, if you like to use a filter as a category menu.



2. Add to your TypoScript the table.field
3. Copy one of the Content Objects CATEGORY\_MENU, CHECKBOX, RADIOBUTTON or SELECTBOX from the master\_templates array to the table.field.
4. Configure the category menu , checkbox, radiobuttons or selectbox.

A good example for filter is the extension Green Cars. Green Cars provides the German case story "Fallstudie grüne-autos.org - Datenbank in drei Stunden". It explains very well, what you have to know, if you want to use filters.

Be aware that you can filter data of the local table and foreign tables – all tables – from version 3.6.0.

See

- Extension Green Cars in the TYPO3 repository  
[http://typo3.org/extensions/repository/view/green\\_cars/current/](http://typo3.org/extensions/repository/view/green_cars/current/)
- Fall Studie "Grüne Autos"  
[http://typo3.org/extensions/repository/view/green\\_cars/current/info/?tx\\_terfe\\_pi1%5BdownloadFile%5D=doc%252Ffall\\_studie.pdf](http://typo3.org/extensions/repository/view/green_cars/current/info/?tx_terfe_pi1%5BdownloadFile%5D=doc%252Ffall_studie.pdf)

## Grüne Autos

Begriff suchen  Suche Zurücksetzer

Typo  Antrieb  Preisgruppe

Hersteller

Alle  A  B  C  D  E  F  G  H  I  J  K  L  M  N  O  P  Q  R  S  T  U  V  W  X  Y  Z

1 bis 20 von insgesamt 37 Datensätzen

<< x 1-20 21-37 >>>

	<b>smart</b> fortwo coupé cdi	<b>3.40</b> Liter <b>88<sub>g</sub></b> CO <sub>2</sub>
	<b>Toyota</b> Prius Hybrid	<b>3.90</b> Liter <b>89<sub>g</sub></b> CO <sub>2</sub>
	<b>Volkswagen</b> Golf	<b>3.70</b> Liter <b>96<sub>g</sub></b> CO <sub>2</sub>

Illustration 21: <http://gruene-autos.org/> with three selectboxes

## HTML Template

Add to your template the table.fields you want to use as filters like in the snippet below.

See line 10 to 12.

```

1. <!-- ###TEMPLATE_LIST### begin -->
2.     ###MY_TITLE###
3. <!-- ###SEARCHFORM### begin -->
4.     <div class="searchbox searchbox-###VIEW###-###MODE###">
5.         <form action="###ACTION###" method="post" name="Testform">
6.             <input type="hidden" name="no_cache" value="1" />
7.             <input class="sword" type="text" name="tx_browser_pi1[sword]"
8.                 onfocus="if(this.value == '###SWORD_DEFAULT###')
9.                     this.value=' ' value="###SWORD###" />
10.            <input class="button" type="submit" value="###BUTTON###" />
11.            <input class="button" type="button" onclick="location='###MY_URL###'"
12.                value="###MY_RESET###" />
13.            ###TX_BZDSTAFFDIRECTORY_LOCATIONS.TITLE###
14.            ###TX_BZDSTAFFDIRECTORY_FUNCTIONS.TITLE###
15.            ###TX_BZDSTAFFDIRECTORY_GROUPS.GROUP_NAME###
16.            ###RESULTPHRASE###
17.        </form>
18.    </div><!-- ###SEARCHFORM### end -->
19.    ...
20. ...

```

## TypoScript

Add the table.fields like in the snippet below.

Line 6: Add the array filter.

Line 7, 10, 13: Add the tables.

Line 8, 11, 14: Add the fields.

qLine 8, 11, 14: Copy to the fields the selectbox from the array master\_templates

```

1. plugin.tx_browser_pil {
2.     views {
3.         list {
4.             1 {
5.                 ...
6.                 filter {
7.                     tx_bzdstaffdirectory_locations {
8.                         title < plugin.tx_browser_pil.displayList.master_templates.checkbox
9.                     }
10.                    tx_bzdstaffdirectory_groups {
11.                        group_name < plugin.tx_browser_pil.displayList.master_templates.radiobuttons
12.                    }
13.                    tx_bzdstaffdirectory_functions {
14.                        title < plugin.tx_browser_pil.displayList.master_templates.selectbox
15.                    }
16.                }
17.                ...
18.            }
19.        }
20.    }
21. }

```



## TypoScript Object Browser

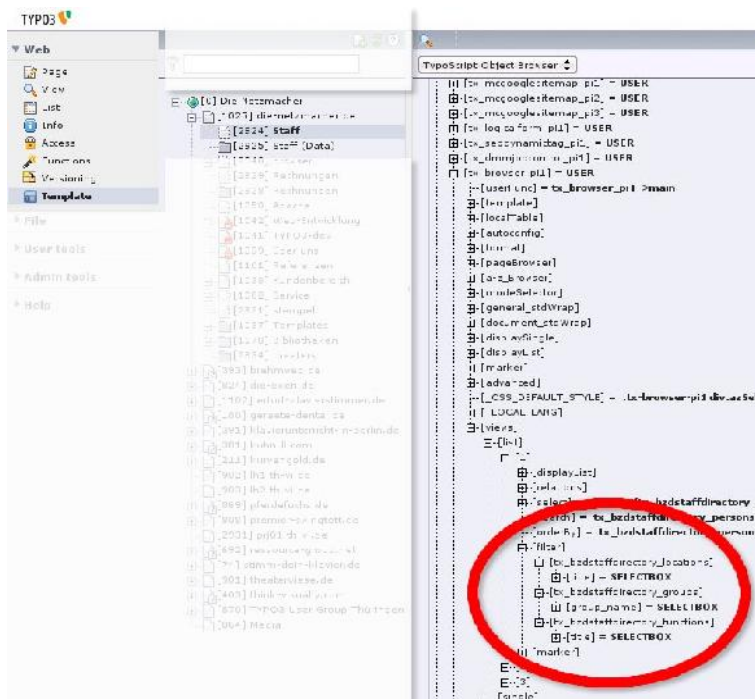


Illustration 22: The object SELECTBOX

If you want to configure a filter / select box, please open the field array in your TypoScript Object Browser. You will see a lot of commented properties like in the illustration below:

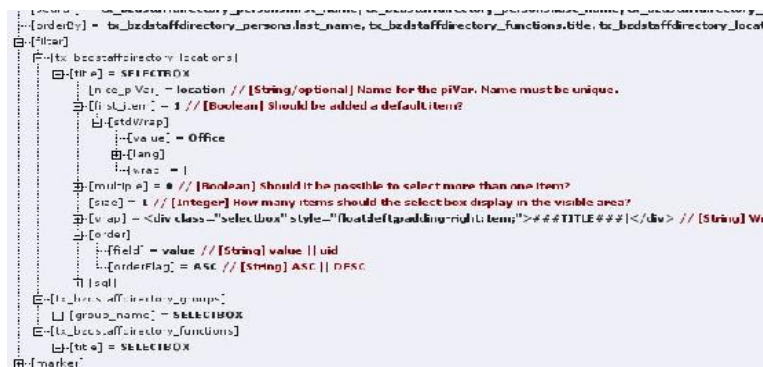


Illustration 23: The object SELECTBOX with some properties.

That's it!



# Tutorial tree view

## Restrictions

If you want to know, if a tree view is the solution for your demands, please refer to "Restrictions" on page 29 below.

### Grüne Autos

Begriff suchen

Hersteller und Modelle

- Audi (1)
- Daihatsu (1)
- Ford (2)
- Honda (3)
- Mazda (1)
- Nissan (2)
- Volkswagen (11)
  - Golf (7)
  - Passat (2)
  - Polo (1)
  - Touran (1)
- Volvo (2)
- smart (3)

Typ

Antrieb

Preisgruppe

Sortieren

**Alle** ABCDEFGHIJKLMNOPQRSTUVWXYZ

1 bis 20 von insgesamt 37 Datensätzen  
« « 1-20 21-37 » »



	smart, fortwo fortwo coupé cdi	3.40 Liter 88g CO <sub>2</sub>
	Toyota, Prius	3.90 Liter 89g CO <sub>2</sub>

Illustration 24: Tree view example

## What does this tutorial do?

We like to display categories in a tree view. This tutorial demonstrates, how to extend your own extension. We take the extension green\_cars and extend it with a tree view like

- manufacturer 1
  - model a
  - model b
  - model c
- manufacturer 2
  - ...

## Step overview

- Installing of the extension cps\_tcatree
- Define the dependency of cps\_tcatree
- Extending the SQL table manufacturer with a parent field for uids
- Extending the TCA configuration for the table manufacturer
- Extending the HTML template with a marker for the tree view
- Extending the TypoScript with a configuration for the tree view





## cps\_tcatree

### Installing

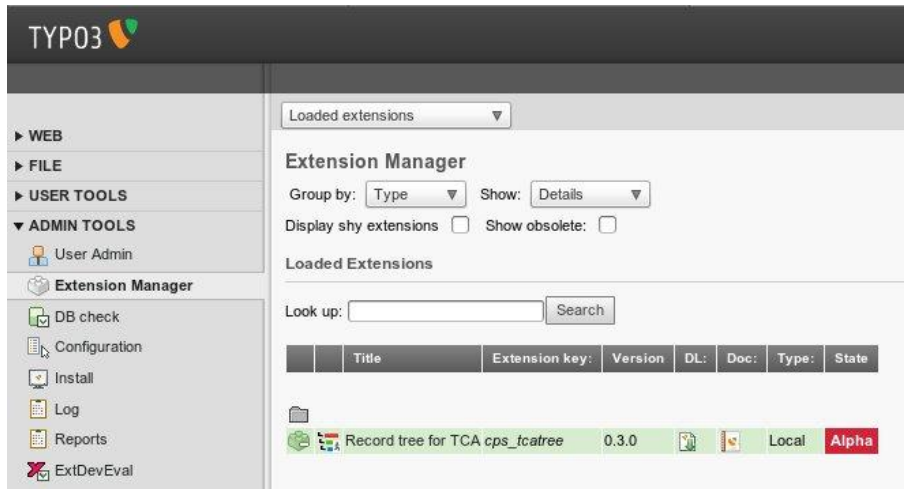


Illustration 25: Installing cps\_tcatree

- Install the extension "Record tree for TCA" (extkey: cps\_tcatree).
- Enable the extension.

### Define the dependency in ext\_emconf.php

Define the dependency to cps\_tcatree in the configuration of your extension. The definition of the dependency isn't obligatory but is best practise. See lines 'dependencies' and 'constraints' in the snippet below. The file is ext\_emconf.php.

```
wwwrun@s15315906: .../typo3conf/ext/green_cars> nano ext_emconf.php

<?php
...
$EM_CONF[$_EXTKEY] = array(
    ...
    'dependencies' => 'browser, cps_tcatree',
    ...
    'constraints' => array(
        'depends' => array(
            'browser' => '3.9.6-0.0.0',
            'cps_tcatree' => '0.3.0-0.0.0',
        ),
        ...
    ),
    ....
?>
```

## Extending the SQL table manufacturer

We need a field for the parent uid of each category, which should be a child of another category. We extend the SQL table with the field uid\_parent. See the snippet below.

```
wwwrun@s15315906: .../typo3conf/ext/green_cars> nano ext_tables.sql

...
#
# Table structure for table 'tx_greencars_manufacturer'
#
CREATE TABLE tx_greencars_manufacturer (
    uid int(11) NOT NULL auto_increment,
    pid int(11) DEFAULT '0' NOT NULL,
    uid_parent int(11) DEFAULT '0' NOT NULL,
    ...
);
...
```



The table tx\_greencars\_manufacturer is now able to administer subcategories.

## Extending the TCA configuration

### Make the parent uid known to other tables

Tables which are connected with the manufacturer table, has to know about the parent uid of the manufacturer table. We configure ext\_tables.php like in the TCA snippet below. See the line with 'treeParentField':

```
wwwrun@s15315906: .../typo3conf/ext/green_cars> nano ext_tables.php

...
$TCA['tx_greencars_manufacturer'] = array (
    'ctrl' => array (
        'title'           => 'LLL:EXT:green_cars/locallang_db.xml:tx_greencars_manufacturer',
        'label'           => 'title',
        'tstamp'          => 'tstamp',
        'crdate'           => 'crdate',
        'cruser_id'        => 'cruser_id',
        'treeParentField' => 'uid_parent',
    ),
);
...
```

For your background: The configuration of 'treeParentField' is a demand of the extension cps\_tcatree. And it is a demand of the extension TYPO3 Browser, which is using the TCA based on cps\_tcatree.

### Extend the TCA form

You have to edit two items and to add the field configuration.

Please add the field name 'uid\_parent' to

- showRecordFieldList
- types.X

```
wwwrun@s15315906: .../typo3conf/ext/green_cars> nano tca.php

...
$TCA['tx_greencars_manufacturer'] = array (
    ...
    'interface' => array (
        'showRecordFieldList' => 'hidden,title,uid_parent'
    ),
    ...
    'columns' => array (
        ...
        'uid_parent' => array (
            'exclude' => 0,
            'label'   => 'LLL:EXT:green_cars/locallang_db.xml:tx_greencars_manufacturer.uid_parent',
            'config'  => array (
                'type'           => 'select',
                'form_type'      => 'user',
                'userFunc'       => 'tx_cpstcatree->getTree',
                'foreign_table'  => 'tx_greencars_manufacturer',
                'treeView'      => 1,
                'expandable'    => 1,
                'expandFirst'   => 0,
                'expandAll'     => 0,
                'size'          => 1,
                'minitems'      => 0,
                'maxitems'      => 2,
                'trueMaxItems'  => 1,
            ),
        ),
        ...
    ),
    'types' => array (
        '0' => array('showitem' => 'hidden;;;1;1-1-1, title;;;2-2-2,uid_parent')
    ),
    ...
);
```



```
);  
...
```

If you take for the label of the field uid\_parent a LLL-value like in the snippet above, please add the value to your locallang file.

If you want to know more about the configuration and possibilities of the uid\_parent field, please refer to the manual of the cps\_tcatree.

## Update your extension

You have to update your extension like in the illustration below. The field "uid\_parent" will added to the manufacturer SQL table.

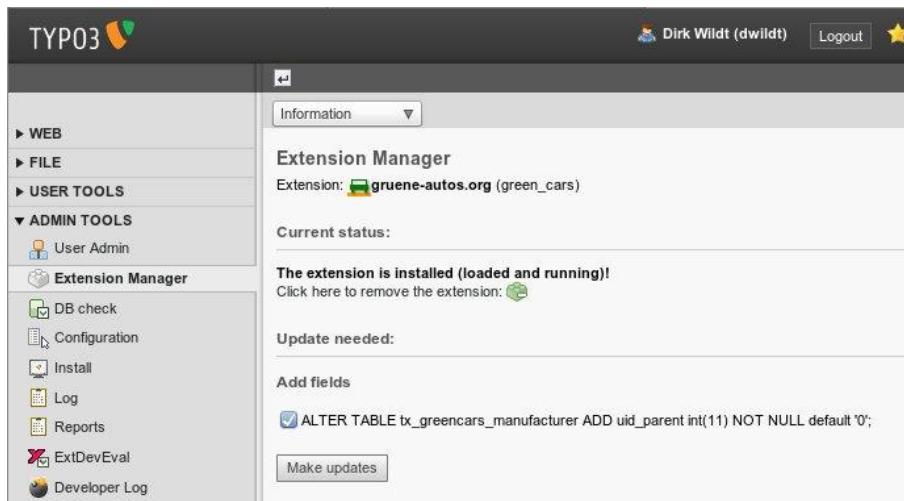


Illustration 26: Update your extension. The field uid\_parent will added to the SQL table

## Ready for tree ordering!

Clear the Cache of your TYPO3 backend.

Open the manufacturer form. You will get a result similar to the illustration below.

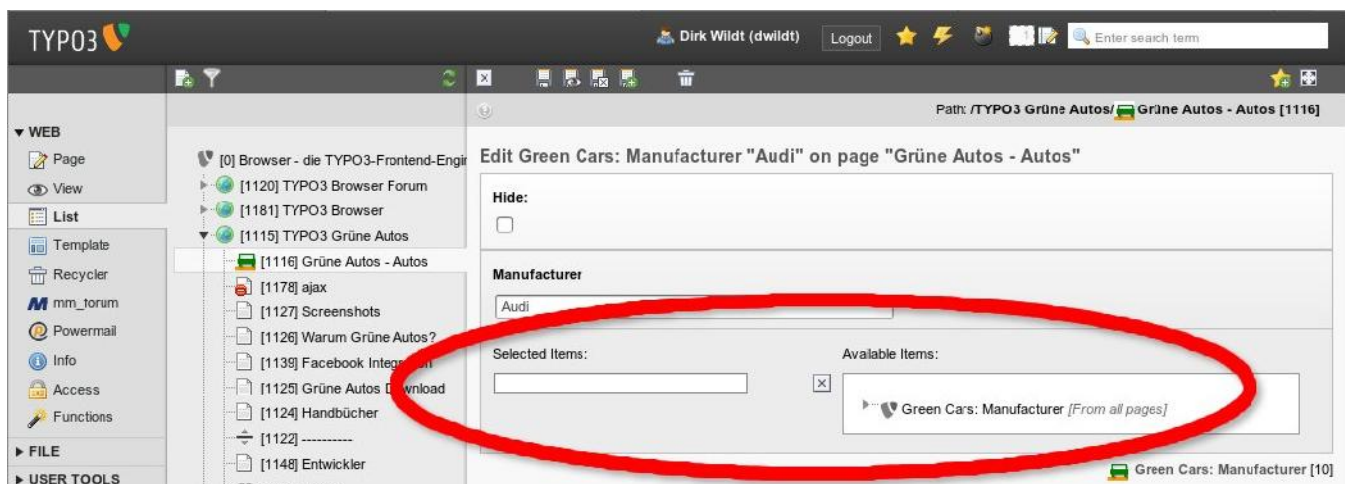


Illustration 27: Manufacturer table with the uid\_parent field

You job is now, to add models and to allocate manufacturers.



After finishing you should have a result like in the illustration below.

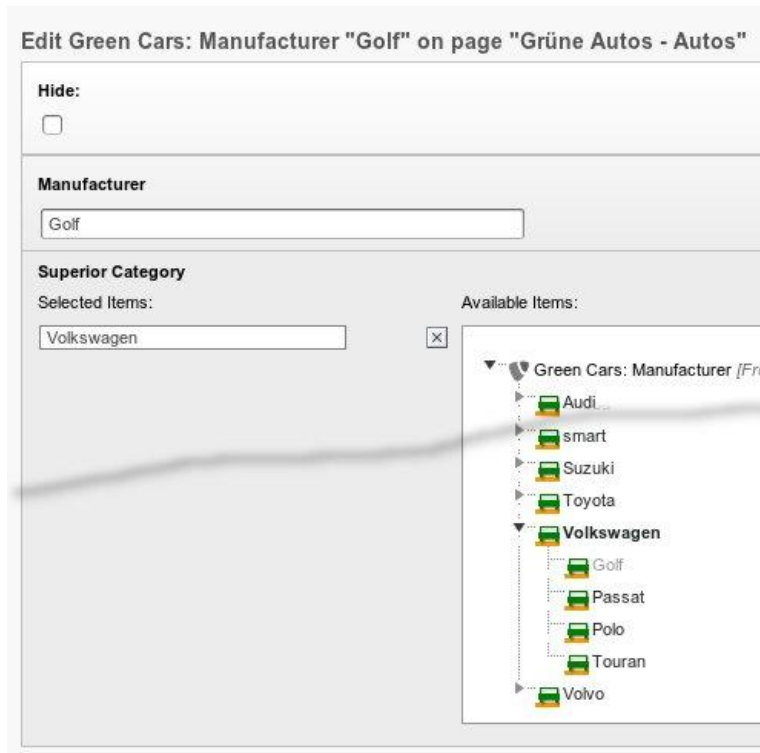


Illustration 28: Tree view with manufacturers and models in the backend

## Local table with tree view

tx\_greencars\_main.manufacturer is connected with the manufacturer table in our example green\_cars.

We have to update the configuration of the field manufacturer of the table tx\_greencars\_main in the TCA. See the snippet below.

```
wwwrun@s15315906: .../typo3conf/ext/green_cars> nano tca.php

...
$TCA['tx_greencars_main'] = array (
    ...
    'columns' => array (
        ...
        'manufacturer' => array (
            'exclude' => 0,
            'label' => 'LLL:EXT:green_cars/locallang_db.xml:tx_greencars_main.manufacturer',
            'config' => array (
                'type' => 'select',
                'minitems' => 0,
                'size' => 3,
                'maxitems' => 5,
                'form_type' => 'user',
                'userFunc' => 'tx_cpstcatree->getTree',
                'treeView' => 1,
                'expandable' => 1,
                'expandFirst' => 1,
                'expandAll' => 0,
                'foreign_table' => 'tx_greencars_manufacturer',
                'foreign_table_where' => 'AND 1 ORDER BY tx_greencars_manufacturer.uid',
                'suppress_icons' => 1,
                'wizards' => array(
                    ...
                ),
            ),
        ),
    ),
    ...
);
```

If you want to know more about the configuration and possibilities of the uid\_parent field, please refer to the manual of the cps\_tcatree.



The form should look like in the illustration below now.

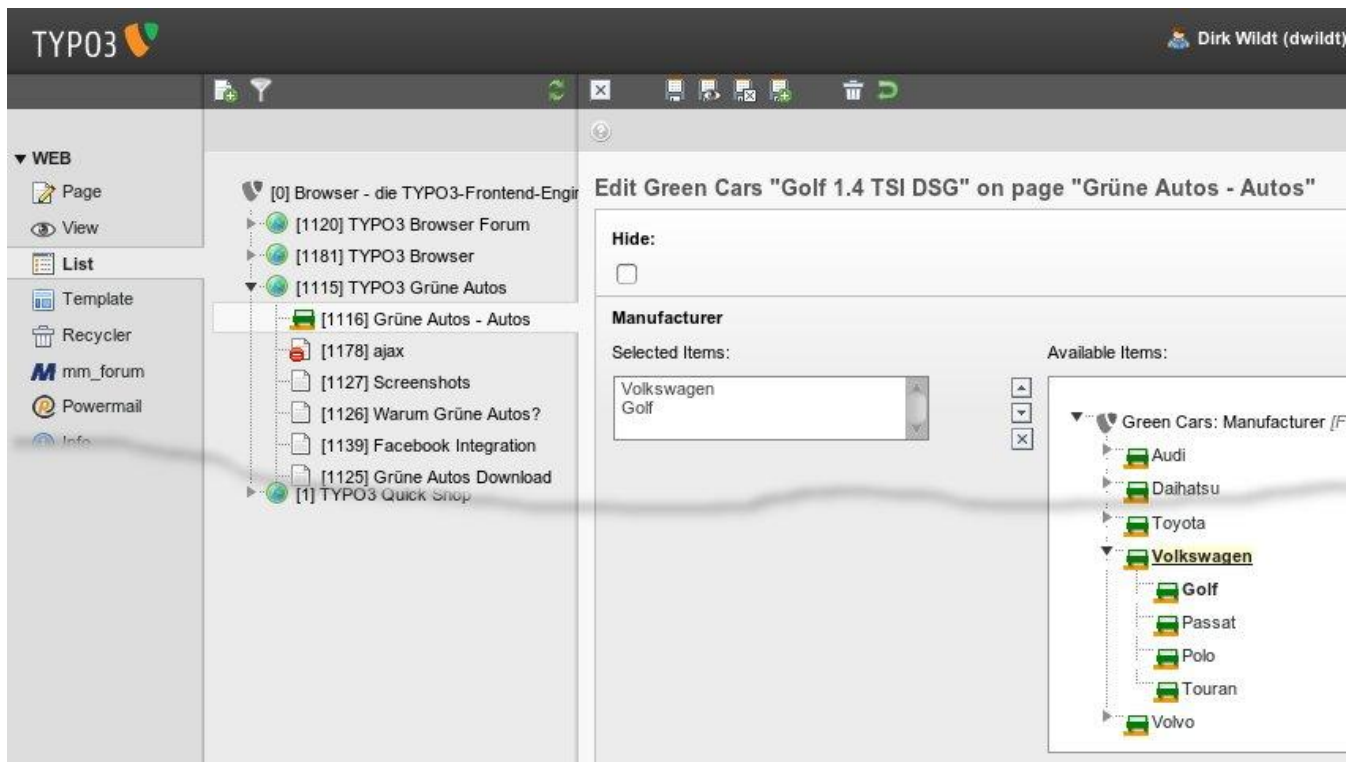


Illustration 29: Tree view - local table with the category field

## Frontend works

### HTML template

You have to add a table field marker to the HTML template within the search form section. See the line with the marker `###TX_GREENCARS_MANUFACTURER.TITLE###` in the HTML snippet below.

```
wwwrun@s15315906: .../typo3conf/ext/green_cars> nano res/default.tpl

...
<!-- ###SEARCHFORM### begin -->
<div class="searchbox searchbox-###VIEW###-###MODE###">
  <form action="###ACTION###" method="post" >
    <fieldset>
      <legend>###MY_SEARCH_LEGEND###</legend>
      <input type="hidden" name="no_cache" value="1" />
      <input class="sword" type="text" name="tx_browser_pil[sword]"
        onfocus="if(this.value == '###SWORD_DEFAULT###') this.value=''"
        value="###SWORD###" />
      <input class="button" type="submit" value="###BUTTON###" />
      <input class="reset" type="button"
        onclick="location='###MY_URL###' value="###MY_RESET###" />
      <!-- Add filter with the ###TABLE.FIELD### syntax and configure your filter
        with TypoScript -->
      <br />
      ###TX_GREENCARS_MANUFACTURER.TITLE###
      ###TX_GREENCARS_TYPE.TITLE###
      ###TX_GREENCARS_ENGINE.TITLE###
      ###TX_GREENCARS_PRICEBRACKET.TITLE###
    </fieldset>
  </div>
...

```





## TypoScript

You have to add a TypoScript configuration for the filter. filter.tx\_greencars\_manufacturer is added in the TypoScript snippet below.

```
wwwrun@s15315906: .../typo3conf/ext/green_cars> nano static/browser/setup.txt

...
plugin.tx_browser_pil {
    ...
    views {
        list {
            1 {
                ...
                filter {
                    tx_greencars_manufacturer {
                        title < plugin.tx_browser_pil.displayList.master_templates.category_menu
                        title {
                            first_item {
                                cObject {
                                    20 {
                                        data = LLL:EXT:green_cars/locallang_db.xml:filter_phrase.manufacturer
                                    }
                                }
                            }
                        }
                        wrap = <div class="category_menu category_menu_treeview">|</div>
                    }
                }
            }
        }
    }
    ...
}
```

## Result

The illustrations below displays an example with the tree view in the initial mode (collapsed) and after opening the folders "root" and the manufacturer "Volkswagen".

The design depends on your CSS.

**Grüne Autos**

Begriff suchen

Hersteller und Modelle

Sortieren

A B C D E F G H I J K L M N O P Q R S T U V W X Y Z

1 bis 20 von insgesamt 37 Datensätzen  
aus 1-20 21-37 » »

	smart, fortwo fortwo coupé cdi	3.40 Liter 88g CO <sub>2</sub>
	Toyota Prius Prius Hybrid	3.90 Liter 89g CO <sub>2</sub>
	Volkswagen Polo Polo 1.6 TDI BlueMotion Techn.	3.70 Liter 96g CO <sub>2</sub>
	Seat Ibiza Ibiza 1.4 TDI DPF Ecomotive	3.70 Liter 98g CO <sub>2</sub>

**Grüne Autos**

Begriff suchen

Hersteller und Modelle

- Audi (1)
- Datsun (1)
- Ford (2)
- Honda (2)
- Mazda (1)
- Nissan (2)
- Volkswagen (11)
  - Golf (7)
  - Passat (2)
  - Polo (1)
  - Touren (\*)
  - Volvo (2)
  - smart (3)

Sortieren

A B C D E F G H I J K L M N O P Q R S T U V W X Y Z

1 bis 20 von insgesamt 37 Datensätzen  
aus 1-20 21-37 » »

	smart, fortwo fortwo coupé cdi	3.40 Liter 88g CO <sub>2</sub>
	Toyota Prius	3.90 Liter 89g CO <sub>2</sub>

Illustration 30: Tree view - collapsed

Illustration 31: Tree view - opened



# Tree view in depth

## Based on the jQuery plugin jsTree

The frontend functionality is based on the jQuery plugin jsTree.

If you are using a filter with the type CATEGORY\_MENU in context with a table, which has a tree view, the TYPO3 Browser generates the tree view in the frontend automatically.

Automatically means: the Browser includes

- the JSS script jsTree
- an own script for controlling jsTree

jsTree has a lot of features.

## jsTree homepage

If you want to know more about jsTree, please refer to

- <http://www.jstree.com/>

## Cookies

The Browser provides jsTree supported by cookies. If a user has left a website with jsTree and visits it again, the tree view will have the same status like the last visit.

This is important in another context. If a user has selected an item of the tsTree and the page is loaded again, the tsTree isn't collapsed but has the previous status.

## Themes

### Provided themes

jsTree provides four themes by default:

- apple
- classic
- default
- default-rtf (rtf means right to left. Some languages will be written from right to left).

### Grüne Autos



Illustration 32: Apple

### Grüne Autos



Illustration 33: Classic

### Grüne Autos



Illustration 34: Default



## Select a provided theme

You can select a provided theme by TypoScript. See property:

```
plugin.tx_browser_pi1.javascript.jquery.plugins.jstree.library.marker.theme.value = apple
```

## Own theme

You may design your own theme. Please refer to the homepage of jsTree (see above).

## More than one tree view

You can use the tree view unlimited. But only five tree views are prepared.

## Controlling by the HTML id

A tree view is controlled by the HTML id.

The browser has prepared five ids.

They are configurable by the TypoScript Constant Editor, because the ids are used in the TypoScript at several properties.

## TypoScript Object Browser

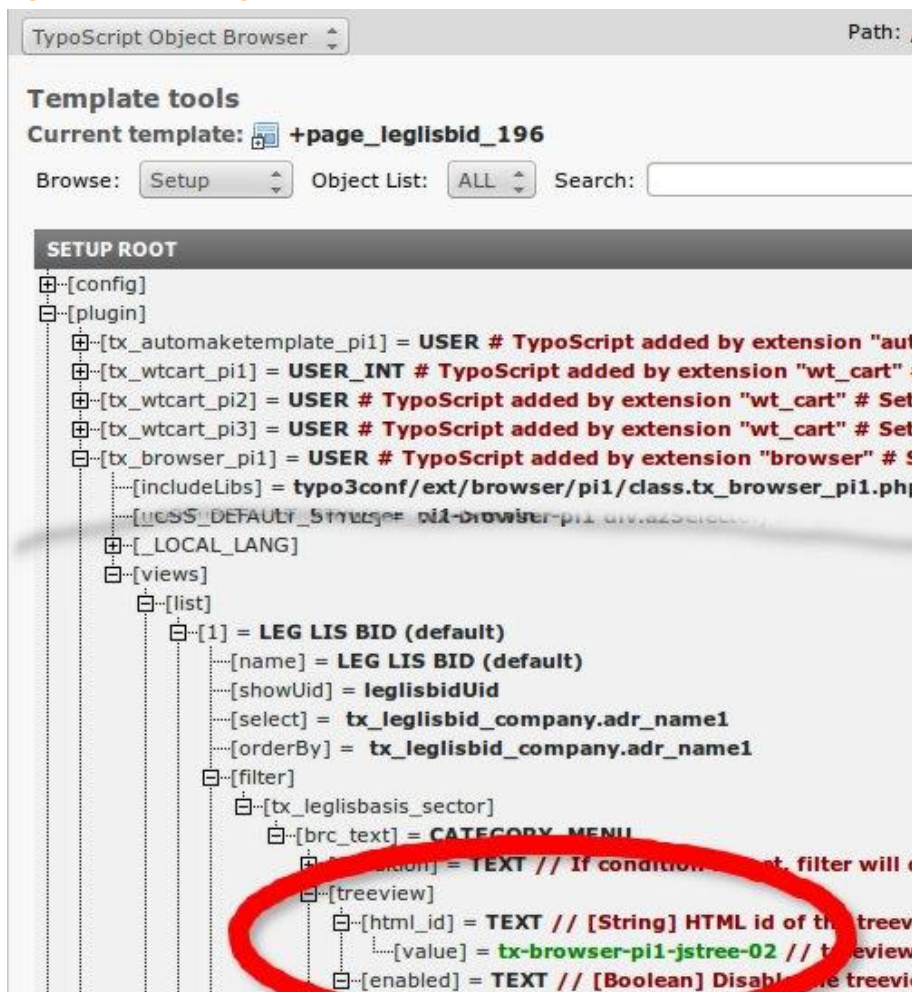


Illustration 35: Tree view id property of a filter

If you use a second filter as a tree view menu, please move the html\_id from ...01 to ...02. See the snippet below.



```
plugin.tx_browser_pi1 {
    views.list.1.filter {
        your_table {
            your_field {
                treeview {
                    html_id {
                        value = {$plugin.tx_browser_pi1.jQuery.plugin.jstree.selector_02}
                    }
                }
            }
        }
    }
}
```

Same procedure for any other tree view. Please use

- ...03
- ...04
- ...05

If you aren't familiar with TypoScript constants, please refer to the paragraph below.

## TypoScript Constant Editor

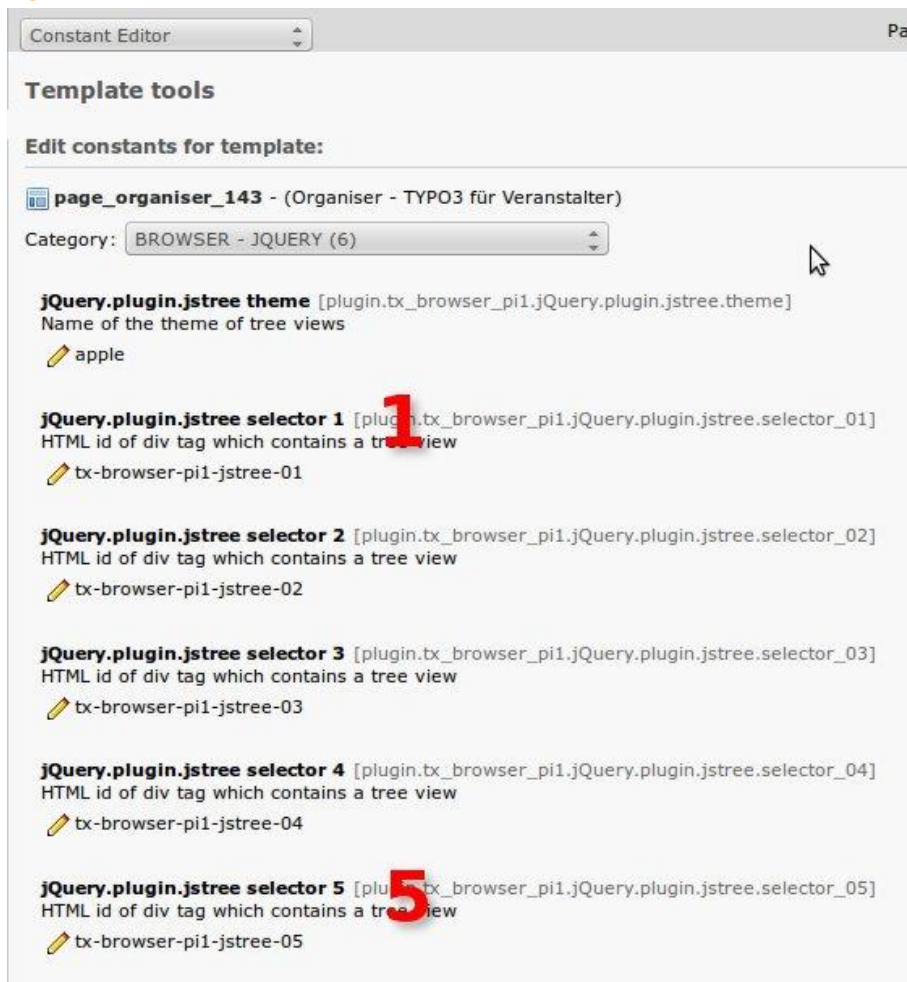


Illustration 36: Tree view ids from 1 to 5

Usually there isn't any need to change an id for a tree view. If you have special needs for CSS, it is recommended to change the id supported by the TypoScript Constant Editor, but not by the TypoScript Object Browser.



## Disable the tree view

If you don't want to use the tree view in the frontend, you can disable it. The snippet is an example for a list with the number one and a filter with the table field tx\_greencars\_manufacturer.title.

It is recommended to display only the top level of the category table. You configure it with a SQL andWhere.

```
plugin.tx_browser_pil {
    views {
        list {
            1 {
                filter {
                    tx_greencars_manufacturer {
                        // Disable the tree view
                        title.treeview.enabled.value = 0
                        // Enable top level only
                        sql.andWhere = tx_greencars_manufacturer.uid_parent = 0
                    }
                }
            }
        }
    }
}
```

### Grüne Autos

Begriff suchen  Suche Zurücksetzen

- Hersteller und Modelle
- A3 (1)
- Alto (1)
- Audi (1)
- Civic (2)
- Cuore (1)
- Daihatsu (1)
- Fiesta (1)
- Foxsat (2)
- Pixo (1)
- Polo (1)
- Prius (1)
- Renault (2)
- S40 (1)
- Scenic (1)
- Seat (1)
- Skoda (2)
- Suzuki (1)
- Touran (1)
- Toyota (2)
- V50 (1)
- Volkswagen (11)
- Volvo (2)
- Zafira (3)

Typ  Antrieb  Preisgruppe

Illustration 37: Disabled tree view

### Grüne Autos

Begriff suchen  Suche Zurücksetzen

- Hersteller und Modelle
- Audi (1)
- Daihatsu (1)
- Ford (2)
- Honda (3)
- Mazda (1)
- Nissan (1)
- Opel (4)
- Renault (2)
- Seat (1)
- Skoda (2)
- Suzuki (1)
- Toyota (2)
- Volkswagen (11)
- Volvo (2)
- smart (3)

Typ  Antrieb  Preisgruppe

Sortieren

AlleABCDEFGHIJKLMNOPQRSTUVWXYZ

1 bis 20 von insgesamt 37 Datensätzen

Illustration 38: Disabled tree view with top level only





## How to add an own script?

The Browser adds a short JSS script for controlling the jsTree plugin.

If there is any need to use an own script, please configure the array:

```
plugin.tx_browser_pil {
    javascript {
        plugins {
            jstree {
                ...
            }
        }
    }
}
```

## Use marker in your script

If you are using an own script, there will be the need to replace marker while runtime too. You can replace any marker in your JSS script. See the marker section in

```
plugin.tx_browser_pil.javascript.jquery.plugins.jstree.library.marker
```

Every marker is a COA. For example: the TypoScript marker "your\_marker" will replace the string ###YOUR\_MARKER### in your JSS file.

## Restrictions

### Five tree view per page are applicabeld

The TYPO3 Browser is applicabeld for five tree views per page.

Applicabeld means:

- TypoScript is prepared
- jQuery is prepared

If you like to use more than five tree views per page, you have to extend TypoScript and jQuery. But sorry: this isn't part of this tutorial.

### More than one tree view per page

You have to take care for the id of the div wrap of the tree view by your own. You have to update or extend the CSS for the jstree id.

### No path is calculated

You have to allocate an item to the category, each node and the root.

Example:

You have a database with cars and a category tree like

- manufacturer [root]
  - model [node]
    - car parts [category]

You like to categories a rear brake for a Volkswagen Golf V.

You have to allocate the item to the root, each node and the category:

- Volkswagen [id 37]
  - Golf V [id 1423]
    - breaks [id 23412]

The parent uid field of the item must contain the ids 37, 1423, 23412 (the order is unimportant and it hasn't any effect for the frontend).

### Performance

This restriction is caused because of performance.

The Browser is able to filter all records of the database with one SQL query only.

Without all ids of the category path, it would be a need, to calculate the category path for each record while runtime. You will need a SQL query for each record in a worst case: If you have 16.000 records, you will have 16.000 SQL queries.



## More examples

### Quick Shop - 1 Filter

It is very simple to configure the content objects

- SELECTBOX
- CHECKBOX and
- RADIOBUTTONS

All have a master template. You copy the master template to your view and you configure the properties only, which aren't configured for your needs.

If you are interested in the power of a master template, please look at

- Reference 'SELECTBOX' on page 49 below

After copying you will see the powerful TypoScript code supported by the TypoScript Object Browser in your view array. It should be comprehensible, how to change any feature and property of your filter to your needs.

See section

- 'TypoScript Object Browser' on page 17 above and
- Reference 'master\_templates' on page 47 below

See the examples below.

### SELECTBOX

## Quick Shop

Kategorie wählen

Becher (1)  
Bücher (1)  
Kleidung (4)  
Tops 3 von insgesamt 6 Datensätzen

« « 1-3 4-6 » » » »

Produkt



**Pullover**

Rot mit TYPO3 Kopf.



**Geheime Bilder**

Bislang nie gesehen: TYPO3 VIP.

Illustration 39: Quick Shop with the filter SELECTBOX

See the TypoScript on the next page.



## TypoScript

See the line

- // The filter becomes the property SELECTBOX

below in the snippet

```
plugin.tx_browser_pil {
    ...
    views {
        list {
            1 {
                select = ...
                filter {
                    tx_quickshop_categories {
                        // The filter becomes the property SELECTBOX
                        title < plugin.tx_browser_pil.displayList.master_templates.selectbox
                        title {
                            // Configuration SELECTBOX begin
                            first_item {
                                stdWrap {
                                    data >
                                    value = Select a Category
                                    lang {
                                        de = Kategorie wählen
                                    }
                                }
                            }
                        }
                        wrap = <span class="selectbox">|</span>
                        wrap {
                            item {
                                stdWrap {
                                    crop = 60 | ... | 1
                                }
                            }
                        }
                        // Configuration SELECTBOX end
                    }
                }
            }
        }
    }
    single {
        ...
    }
}
```

Easy way of configuring: See section 'TypoScript Object Browser' on page 17 above.



## CHECKBOX

### Quick Shop

Kategorie

☐ Kleidung (4) ☐ Becher (1) ☐ Bücher (1)

Begriff suchen

Suche Zurücksetzen

Alle A B C D E F G H I J K L M N O P Q R S T U V W X Y Z

1 bis 3 von insgesamt 6 Datensätzen

« « 1-3 4-6 » » » »

Produkt



Pullover

Rot mit TYPO3 Kopf.

Geheime Bilder

Illustration 40: Quick Shop with the filter CHECKBOX

#### TypoScript

See the line

- // The filter becomes the property CHECKBOX

below in the snippet

```
plugin.tx_browser_pil {
    ...
    views {
        list {
            1 {
                ...
                filter {
                    tx_quickshop_categories {
                        // The filter becomes the property CHECKBOX
                        title < plugin.tx_browser_pil.displayList.master_templates.checkbox
                    }
                }
            }
        }
    }
}
```



## RADIOBUTTONS

### Quick Shop

Kategorie

☐ Kleidung (4) ☐ Becher (1) ☐ Bücher (1)

Begriff suchen

Suche

Zurücksetzen

Alle A B C D E F G H I J K L M N O P Q R S T U V W X Y Z

1 bis 3 von insgesamt 6 Datensätzen

« « 1-3 4-6 » » » »

Produkt



Pullover

Rot mit TYPO3 Kopf.  

Geheime Bilder

Illustration 41: Quick Shop with the filter RADIOBUTTONS

#### TypoScript

See the line

- // The filter becomes the property RADIOBUTTONS

below in the snippet

```
plugin.tx_browser_pil {
    ...
    views {
        list {
            1 {
                ...
                filter {
                    tx_quickshop_categories {
                        // The filter becomes the property RADIOBUTTONS
                        title < plugin.tx_browser_pil.displayList.master_templates.radiobuttons
                    }
                }
            }
        }
    }
}
```





## Green Cars - Dynamic Filter

The Browser filters are dynamically by default. This means:

- If a filter item hasn't any hit, it won't be displayed.
- Each filter controls all others..

### Exercise

We will change some TypoScript of the page <http://gruene-autos.org/> for demonstration only.

See the examples below.

### SELECTBOX (Default)

#### Grüne Autos

Typ

Antrieb

Preisgruppe

Hersteller

**Alle** A B C D E F G H I J K L M N O P Q R S T U V W X Y Z

1 bis 20 von insgesamt 37 Datensätzen  
 << < 1-20 **21-37** >> >>>

	 <b>smart</b> fortwo coupé cdi	<b>3.40</b> Liter <b>88<sub>g</sub></b> CO <sub>2</sub>
	 <b>Toyota</b> Prius Hybrid	<b>3.90</b> Liter <b>89<sub>g</sub></b> CO <sub>2</sub>
	 <b>Volkswagen</b> Golf	<b>3.70</b> Liter <b>96<sub>g</sub></b> CO <sub>2</sub>

Illustration 42: Green Cars with three selectboxes - each with size = 1

This is the start page of <http://gruene-autos.org/>

It has three filters designed as selectboxes. Each displays one item only (HTML property size is 1).

The TypoScript for the three selectboxes should be clear (see the snippet below).

### TypoScript

See the lines

- // This filter becomes the property SELECTBOX

below in the snippet

```

plugin.tx_browser_pil {
    ...
    views {
        list {
            1 {
                select = ...
                filter {
                    tx_greencars_engine {
                        // This filter becomes the property SELECTBOX
                        title < plugin.tx_browser_pil.displayList.master_templates.selectbox
                        title {
                            first_item {
                                stdWrap {
                                    data = LLL:EXT:green_cars/locallang_db.xml:tx_greencars_main.engine
                                }
                            }
                        }
                        wrap = |
                    }
                }
            }
            tx_greencars_pricebracket {
                // This filter becomes the property SELECTBOX
                title < plugin.tx_browser_pil.displayList.master_templates.selectbox
            }
        }
    }
}

```

36



### Selection Case

We are interested in cars

- with a diesel or domestic gas engine
- with a price-bracket from 20.000 EUR to 25.000 EUR

### Grüne Autos

Begriff suchen

Suche Zurücksetzen

Coupé (3)  
Compact Van (4)  
Kombi (7)  
Limousine (20)  
Minivan (3)

Benzin (1)  
Super (9)  
**Diesel (20)**  
Erdgas (3)  
Flüssiggas (1)


unter 10.000 EUR (3)  
10.000 EUR - 15.000 EUR (5)  
15.000 EUR - 20.000 EUR (6)  
**20.000 EUR - 25.000 EUR (17)**  
25.000 EUR - 30.000 EUR (5)



Hersteller

**Alle** A B C D E F G H I J K L M N O P Q R S T U V W X Y Z


1 bis 20 von insgesamt 37 Datensätzen



« « 1-20 **21-37** » » »





**smart**  
**fortwo coupé cdi**

**3.40** Liter **88<sub>g</sub>** CO<sub>2</sub>





**Toyota**  
**Prius Hybrid**

**3.90** Liter **89<sub>g</sub>** CO<sub>2</sub>

Illustration 44: Green Cars with three selectboxes - each with size = 1

If you like, that the values in the boxes will changed after sending the form, please setting up in the flexform in the tab [List view] the field "Total hits" to [Controlled by selected filters].

You will have this behaviour:

- every item has a new number of hits
- there are some items without any hit and they won't be displayed like
  - Coupe
  - all engines without a selection (of course)
  - all price-brackets without a selection (of course)

### Grüne Autos

Begriff suchen

Suche Zurücksetzen

Compact Van (1)  
Kombi (3)  
Limousine (7)  
Minivan (2)


**Diesel (12)**  
Erdgas (1)

**20.000 EUR - 25.000 EUR (13)**

Hersteller



**Alle** A B C D E F G H I J K L M N O P Q R S T U V W X Y Z





**Volkswagen**  
**Golf 1.6 TDI BlueMotion**

**3.80** Liter **99<sub>g</sub>** CO<sub>2</sub>





**Volvo**  
**S40 1.6 D DRIVE Start/Stop**

**3.90** Liter **104<sub>g</sub>** CO<sub>2</sub>

Illustration 45: Green Cars with three selectboxes - each with size = 1



## Change the Behavior

Display price-brackets even if they haven't any hit

### Grüne Autos

Begriff suchen	Suche	Zurücksetzen
Compact Van (1) Kombi (3) Limousine (7) Minivan (2)	Diesel (12) Erdgas (1)	unter 10.000 EUR (0) 10.000 EUR - 15.000 EUR (0) 15.000 EUR - 20.000 EUR (0) 20.000 EUR - 25.000 EUR (13) 25.000 EUR - 30.000 EUR (0)

Hersteller

Alle A B C D E F G H I J K L M N O P Q R S T U V W X Y Z



**Volkswagen**  
Golf 1.6 TDI BlueMotion

**3.80** Liter **99<sub>g</sub>** CO<sub>2</sub>



**Volvo**  
S40 1.6 D DRIVE Start/Stop

**3.90** Liter **104<sub>g</sub>** CO<sub>2</sub>

Illustration 46: Green Cars with three selectboxes - each with size = 1

#### TypoScript

```
// Display price-brackets even if they haven't any hit
plugin.tx_browser_pil {
    views.list.1.filter.tx_greencars_pricebracket.title.wrap.item.display_without_any_hit = 1
}
```

Display price-brackets without the number of hits

### Grüne Autos

Begriff suchen	Suche	Zurücksetzen
Compact Van (1) Kombi (3) Limousine (7) Minivan (2)	Diesel (12) Erdgas (1)	unter 10.000 EUR 10.000 EUR - 15.000 EUR 15.000 EUR - 20.000 EUR 20.000 EUR - 25.000 EUR 25.000 EUR - 30.000 EUR

Hersteller

Alle A B C D E F G H I J K L M N O P Q R S T U V W X Y Z



**Volkswagen**  
Golf 1.6 TDI BlueMotion

**3.80** Liter **99<sub>g</sub>** CO<sub>2</sub>



**Volvo**  
S40 1.6 D DRIVE Start/Stop

**3.90** Liter **104<sub>g</sub>** CO<sub>2</sub>

Illustration 47: Green Cars with three selectboxes - each with size = 1

#### TypoScript

```
// Display price-brackets without the number of hits
plugin.tx_browser_pil {
    views.list.1.filter.tx_greencars_pricebracket.title.wrap.item.display_hits = 0
}
```



## Organiser - Filter for a period (data area)

This is a typical example for a calendar.

This is the case:

- dates of events are stored in a field "datetime"
- the format of a date is a timestamp
- the table tx\_org\_cal contains the field datetime. The table.field-syntax is: tx\_org\_cal.datetime

### Preconditions

We have configured a list view (and a single view of course) for the table tx\_org\_cal.

### HTML Template

We have added the marker `###TX_ORG_CAL.DATETIME###` to our HTML template into the filter section.

See section HTML Template on page 15 above.

### TypoScript Snippet SELECTBOX

```

1. plugin.tx_browser_pil {
2.   views {
3.     list {
4.       201 {
5.         name = Calendar
6.         select (
7.           tx_org_cal.title,
8.           tx_org_cal.datetime
9.         )
10.        csvLinkToSingleView = tx_org_cal.title
11.        filter {
12.          tx_org_cal {
13.            datetime < plugin.tx_browser_pil.displayList.master_templates.selectbox
14.          }
15.        }
16.      }
17.    }
18.    ...
19.  }
20. }

```

### Result in the Frontend



Illustration 48: Calendar with select box

### Comment

Line 11 to 13 (see page above): we allocate a filter for tx\_org\_cal.datetime in form of a SELECTBOX.

The items of the SELECTBOX are in our case:

```

<option value="1283968800">1283968800 (2)</option>
<option value="1304892000">1304892000 (1)</option>

```



```
<option value="1315591200">1315591200 (3)</option>
```

This means:

- We have two dates at 1283968800, one date at ... and three dates at ...

But we don't want for every date an item in the selectbox. We want something like "Display the events of the last year, this year and the next year".

We want something like this:

```
<option value="10">2009 (0)</option>
<option value="20">2010 (2)</option>
<option value="30">2011 (4)</option>
```

We add an area out of the master template section and configure some properties.

## TypoScript Snippet with Area

```
1. plugin.tx_browser_pil {
2.   views {
3.     list {
4.       201 {
5.         name      = Calendar
6.         select (
7.           tx_org_cal.title,
8.           tx_org_cal.datetime
9.         )
10.        csvLinkToSingleView = tx_org_cal.title
11.        filter {
12.          tx_org_cal {
13.            datetime < plugin.tx_browser_pil.displayList.master_templates.selectbox
14.            datetime {
15.              // Every item should be displayed even though it hasn't any hit
16.              wrap.item.display_without_any_hit = 1
17.              // Order the items by uid (and not by value)
18.              order.field = uid
19.              // Allocates the master template sample_period
20.              area < plugin.tx_browser_pil.displayList.master_templates.areas.sample_period
21.            }
22.          }
23.        }
24.      }
25.    }
26.    ...
27.  }
28. }
```

### Comment

Line 16: Every item should be displayed even though it hasn't any hit

Line 18: Order the items by uid (and not by value)

Line 20: This is the most important line. We allocate the master template sample\_period.  
This template provides by default:

- a period of years
- a period from last year to next year (be aware of the relative period!)
- and the items are formatted as year only.

Every property is configurable.





We get, what we want:

```
<option value="10">2009 (0)</option>
<option value="20">2010 (2)</option>
<option value="30">2011 (4)</option>
```

## Properties and Possibilities

Please refer to the Reference AREAS on page 52 below.

## Condition for a Filter

Each filter has the property condition. condition is a cObject. By default the condition is met.

## TypoScript Default Code

```
// If condition is met, filter will display. If not, filter will hide.
condition = TEXT
condition {
    // True (default)
    value = 1
}
```

## Example

The extension Organiser (extKey: org) provide documents for downloading. There are two steps for selecting an document:

1. The visitor has to select a category before viewing a list
2. The list has a category filter, but it shouldn't displayed if a category was selected before

We configure the condition like in the TypoScript snippet below:

- Line 11-12: We remove the default condition property and define a new condition property as a COA
- Line 14-31: The COA has two elements. Both elements have an if property. The if property checks if there is the global parameter tx\_browser\_pil[tx\_org\_downloadscat.title][0]. This parameter will sent, if a category is selected. If a category is selected (if.isTrue), the COA will return 0, any filter won't display. If any category is selected (if.isFalse), the COA will return 1, the filter will display.

## TypoScript Snippet

```
1. plugin.tx_browser_pil {
2.     views {
3.         list {
4.             301 = +Org: Downloads
5.             301 {
6.                 ...
7.                 filter {
8.                     tx_org_downloadscat {
9.                         title < plugin.tx_browser_pil.displayList.master_templates.selectbox
10.                        title {
11.                            condition >
12.                            condition = COA
13.                            condition {
14.                                10 = TEXT
15.                                10 {
16.                                    value = 0
17.                                    if {
18.                                        isTrue {
19.                                            data = GPvar:tx_browser_pil|tx_org_downloadscat.title|0
20.                                        }
21.                                    }
22.                                }
23.                                20 = TEXT
24.                                20 {
25.                                    value = 0
```



```

26.         if {
27.             isFalse {
28.                 data = GPvar:tx_browser_pi1|tx_org_downloadscat.title|0
29.             }
30.         }
31.     }
32. }
33. ...

```

# Configuring hits

## The difference between counting and displaying

The Browser is counting hits and display it.

The display is depending on counting of course.

If you have configured, that items without any hit will displayed and you disable the counting of hits, no filter won't displayed!

## Disable counting

If you have a lot of data and a lot of category tables with a lot of items, the counting of hits can cost performance.<sup>1</sup>

You can disable and enable the counting of hits per each filter in the TypoScript. See the example below.

```
plugin.tx_browser_pil {
    views.list.1.filter.table.field {
        count_hits = 0
    }
}
```

*table.field*: table is the category table like tt\_news\_cat and field the label field like title.

## All filter items will displayed by default

If counting is disabled, all filter items will displayed by default. Each filter has the property

```
wrap.item.displayInCaseOfNoCounting
```

If this property is enabled, each filter row get a flag. You can disable this behaviour. Set displayInCaseOfNoCounting to 0.

```
plugin.tx_browser_pil {
    views.list.1.filter.table.field {
        count_hits = 0
        ...
        wrap {
            item {
                displayInCaseOfNoCounting = 0
            }
        }
    }
}
```

<sup>1</sup> If you want to know more about performance, you can enable the DRS performance report in the extension manager.



# cObject

From Browser version 4 filter have the cObject property:

```
// cObject for the first filter item
filter.tx_greencars_engine.title.first_item.cObject
// cObject for filter items
filter.tx_greencars_engine.title.wrap.item.cObject
```

TYPO3 integrators are more flexible now.

## Display conditions for a filter item

The cObject has an if property with three OR conditions by default.

A filter item will displayed:

1. if it has one hit at least or
2. if counting is disabled (see "Disable counting" on page 43 above) or
3. if the current filter is a treeview

```
plugin.tx_browser_pil {
    views.list.1.filter.table.field {
        ...
        wrap {
            item {
                cObject = COA
                cObject {
                    ...
                    if {
                        isTrue {
                            // Display with hits only or in case of a tree view
                            cObject = COA
                            cObject {
                                10 = TEXT
                                10 {
                                    field = hits
                                }
                                20 = TEXT
                                20 {
                                    field = tx_browser_pil.flag_displayInCaseOfNoCounting
                                }
                                30 = TEXT
                                30 {
                                    field = tx_browser_pil.flag_treeview
                                }
                            }
                        }
                    }
                }
            }
            wrap = <a href="###URL###"###CLASS#####STYLE#####TITLE###>|</a>
        }
    }
}
```

You can disable it: remove if.isTrue.cObject.10 or 20 or 30 or all.

## The "no value" label

The cObject has the two elements 20 and 21 by default.

cObject.20 will displayed, if there is an value.

cObject.21 will displayed, if there isn't any value.

```
plugin.tx_browser_pil {
    views.list.1.filter.table.field {
        ...
        wrap {
            item {
                cObject = COA
                cObject {
                    // Value in case of a value
                    20 = TEXT
                }
            }
        }
    }
}
```



```

20 {
    if {
        isTrue {
            field = value
        }
    }
    field = value
    htmlspecialchars = 1
    crop = 60 | ... | 1
}
// Value in case of no value
21 = TEXT
21 {
    if {
        isTrue {
            field = value
        }
        negate = 1
    }
    data = LLL:EXT:browser/pil/locallang.xml:label_categorymenu_noValue
}
}
}
}
}
}
}
}

```

## Replace values

TYPO3 integrators are able, to replace special values. This could be an example: replace Audi, Seat and Skoda with "VW Group".

You have to configure a TEXT object with the proper if. But this isn't part of this tutorial.

## Configure or disable hits

If an item has one hit at least, it will extended with something like "(4)" in case of four hits. If you want to disable or change it, please edit cObject.30.

```

plugin.tx_browser_pil {
    views.list.1.filter.table.field {
        ...
        wrap {
            item {
                cObject = COA
                cObject {
                    ...
                    // Hits
                    30 = TEXT
                    30 {
                        if {
                            // Display hits only in case of one hit at least
                            isTrue {
                                field = hits
                            }
                        }
                        field = hits
                        noTrimWrap = | (|)|
                    }
                }
            }
        }
    }
}
}
}
}
}
}
}

```

If you like to prepend the hit result for example, please move cObject.30 to cObject.10.

# Reference

This tutorial provides only the reference for the master\_template array (see below)

You find all other stuff in the manual of the Browser:

- HTML <http://typo3.org/documentation/document-library/extension-manuals/browser/current/>
- 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)





## master\_templates

All master\_templates are local. You have to copy the template to your view and configure it there.

See the example below.

Property:	Data type:	Description:	Default:
master_templates	array	<p>Configuration of master templates for the filter.</p> <p>Content Objects are</p> <ul style="list-style-type: none"> <li>• CATEGORY_MENU</li> <li>• CHECKBOX</li> <li>• RADIOBUTTON</li> <li>• SELECTBOX</li> </ul> <p><b>Code:</b></p> <pre>plugin.tx_browser_pil {     displayList {         master_templates {             selectbox = SELECTBOX             selectbox {                 ...             }         }     } }</pre> <p><b>Example:</b></p> <pre>plugin.tx_browser_pil {     views {         list {             1 {                 select (                     fe_users.last_name,                     fe_users.first_name,                     fe_users.image,                     fe_groups.title,                     tx_org_management.title                 )                 filter {                     fe_groups {                         title &lt; plugin.tx_browser_pil.\ displayList.\ master_templates.selectbox                      title {                         first_item {                             stdWrap {                                 data &gt;                                 value = All Groups                                 lang.de = Alle Gruppen                             }                         }                         wrap = \ &lt;span class="selectbox"&gt; &lt;/span&gt;                         wrap {                             item {                                 stdWrap {                                     crop = 30   ...   1                                 }                             }                         }                     }                 }             }         }     } }</pre>	

## CATEGORY\_MENU

Display your filter as a HTML category menu.

The subpart `###CATEGORY_MENU###` is disabled by TypoScript by default. The subpart will be removed from the HTML template – you won't have any waste in your code.

If you are using the category menu please enable it in your global or local configuration:

```
displayList.display.category_menu = 1
```

Property:	Data type:	Description:	Default:
CATEGORY_MENU	array	Content Object CHECKBOX <b>Example:</b> <a href="#">See Code of SELECTBOX below</a>	

## CHECKBOX

Display your filter as a HTML check box.

Property:	Data type:	Description:	Default:
CHECKBOX	array	Content Object CHECKBOX <b>Example:</b> <a href="#">See Code of SELECTBOX below</a>	

## RADIOBUTTONS

Display your filter as HTML radio buttons.

Property:	Data type:	Description:	Default:
RADIOBUTTONS	array	Content Object RADIOBUTTONS <b>Example:</b> <a href="#">See Code of SELECTBOX below</a>	



## SELECTBOX

Property:	Data type:	Description:	Default:
SELECTBOX	array	Content Object SELECTBOX  <b>Example:</b> <a href="#">See Code below</a>	

```

plugin.tx_browser_pil {
    displayList {
        master_templates {
            selectbox = SELECTBOX
            selectbox {
                // If condition is met, filter will display. If not, filter will hide.
                condition = TEXT
                condition {
                    // True (default)
                    value = 1
                }
                // [String/optional] Name for the piVar. Name must be unique.
                nice_piVar =
                // [Boolean] Should be added a default item?
                first_item = 1
                first_item {
                    // [Boolean] 0: Item without any hit will not be displayed. 1: Any item will be displayed.
                    display_without_any_hit = 1
                    // [Boolean] 1: Items display the number of hits. 0: Items doesn't display any number of hits.
                    display_hits = 0
                    display_hits {
                        // [Boolean] 1: Hits are displayed behind the item. \
                        //                                0: Hits are displayed in front of the item.
                        behindItem = 1
                        stdWrap {
                            noTrimWrap = | (|) |
                        }
                    }
                    stdWrap {
                        data = LLL:EXT:browser/pil/locallang.xml:label_filter_firstitem_default
                    }
                    // [STRING, unique] Value attribute in the option tag (#11401)
                    option_value = 0
                }
                // [Boolean] Should it be possible to select more than one item?
                multiple = 0
                multiple {
                    // [String] HTML code for multiple
                    selected = multiple="multiple"
                }
                // [Integer] How many items should the select box display in the visible area?
                size = 1
                // [String] Wrap the object
                wrap = <div class="selectbox">###TITLE###|</div>
                wrap {
                    // [Integer] Space characters from left margin in the HTML code
                    nice_html_spaceLeft = 12
                    title_stdWrap {
                        // [String] Title of the object. If it shouldn't display, please delete the title array
                        value = ###TABLE.FIELD###
                        wrap = <div class="selectbox_title">|</div>
                    }
                    // [String] Wrap the items
                    object = \
                    <select name="###TABLE.FIELD###" id="###ID###" size="###SIZE###"###MULTIPLE###>|</select>
                    object {
                        // [Integer] Space characters from left margin in the HTML code
                        nice_html_spaceLeft = 14
                    }
                    // [String] Wrap one item
                    item = <option###CLASS#####STYLE### value="###UID###"###ITEM_SELECTED###>|</option>
                    item {
                        // [Boolean] 0: Item without any hit will not be displayed. 1: Any item will be displayed.
                        display_without_any_hit = 0
                        // [Boolean] 1: Items display the number of hits.\
                        //                                0: Items doesn't display any number of hits.
                        display_hits = 1
                        display_hits {

```





## filter condition

Property:	Data type:	Description:	Default:
filter.table.field.condition	cObject	<p>Define a condition for displaying or hiding your Browser plugin.</p> <p><b>Examples:</b></p> <ul style="list-style-type: none"> <li>• See "Condition for a Filter" on page 41 above</li> <li>• See Code below</li> </ul>	

```

plugin.tx_browser_pil {
    views {
        list {
            1 {
                filter {
                    your_table {
                        your_field < plugin.tx_browser_pil.displayList.master_templates.selectbox
                        your_field {
                            // Remove the default condition
                            condition >
                            // Define your own condition
                            condition = COA
                            condition {
                                // See "Condition for a Filter" on page 41 above

```



## AREAS

Areas contains master templates for area samples. Samples are

- currency
  - hard coded
- period
  - hard coded
  - relative

**Areas are limited to integers and numbers.**

We intend to extend it for chars and strings too<sup>1</sup>.

You need a content object SELECTBOX, CHECKBOX or RADIOBUTTONS from above, if you like to use an area filter.

Property:	Data type:	Description:	Default:
areas	array	<p>Configuration array for an area. You need it, if you like to filter data areas</p> <p><b>Default code:</b></p> <pre> plugin.tx_browser_pi1 {     displayList {         master_templates {             areas {                 sample_currency = 1                 sample_currency {                     strings = 1                     strings {                         // Configuration for a hard coded                         // currency area                     }                 }                 sample_period = 1                 sample_period {                     strings = 0                     strings {                         // Configuration for a hard coded                         // period                     }                 }                 interval = 1                 interval {                     // Configuration for a relative period                 }             }         }     } }                     </pre>	

### Example

Please refer to the section [Organiser - Filter for a period \(data area\)](#) on page above.

### TypoScript Object Browser

Please use the [TypoScript Object Browser](#), if you like to inspecting all properties.

### Possibilities

See examples below.

<sup>1</sup> We like a contract. Do you know someone for contracting?



## AREA - Period interval

Period interval is a smart tool: Period interval enables you to define relative periods like

- display all seven days of the current week
- display four weeks from one week ago
- display alls months of the current year
- display all years from last year to next year

If you want to play with the examples, please change the case property like this:

```
plugin.tx_browser_pil.displayList.master_templates.areas {
    sample_period.interval.case = week
}
```

Property:	Data type:	Description:	Default:
areas	array	<p>Configuration array for an area. You need it, if you like to filter data areas</p> <p><b>Default code:</b></p> <pre>plugin.tx_browser_pil {     displayList {         master_templates {             areas {                 sample_period = 1                 sample_period {                     interval = 1                     interval {                         // [BOOLEAN]: 1: dates are converted to\                         timestamp. 0: undefined                         compare_wiTimeStamp = 1                         // [STRING] day, week, month, year                         case = year                         day {                             // Configuration for days                         }                         week {                             // Configuration for weeks                         }                         month {                             // Configuration for months                         }                         year {                             // Configuration for years                         }                     }                 }             }         }     } }</pre>	

### Day

See year below.

### Week

See year below.

### Month

See year below.





## Year

Every period has the properties:

- start\_period
- times\_stdWrap
- value\_stdWrap

Please inspect the TypoScript snippet below too become familiar with the properties and possibilities.

```
year {
  start_period {
    // [BOOLEAN] 1: Value is handled after stdWrap with php strtotime. 0: stdWrap only.
    use_php_strtotime = 1
    stdWrap {
      // Examples with strtotime: -1 year, 2010, now, next year
      value = -1 year
    }
  }
  times_stdWrap {
    // [INTEGER] Display the period n times
    value = 3
  }
  value_stdWrap {
    // [STRING] Leave it empty! It will be handled while runtime.
    value =
    // [STRING] See php method strftime
    strftime = %Y
  }
  get_param {
    // PHP date format: Please use numbers only! Y example: 2011
    date_format = Y
  }
}
```

## Example

Please refer to the section [Organiser - Filter for a period](#) (data area) on page above.

## AREA - Period hard coded

It is possible to "hard code" a period too. See the example in

```
plugin.tx_browser_pil.displayList.master_templates.areas {
  sample_period.string {
    ...
  }
}
```

## AREA - Currency hard coded

It is possible to "hard code" an area of numbers too. See the example in

```
plugin.tx_browser_pil.displayList.master_templates.areas {
  sample_curreny.string {
    ...
  }
}
```

# What's new in Version 4.0?

## Filter: cObject

[3.9.16]

Filter are a cObject. See "cObject" on page 44 above.

## 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 has to select a category before viewing a list
- The list shouldn't contain the category filter, if a category was selected before

See "Condition for a Filter" on page 41 above.

## 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 "Tutorial tree view" on page 18 above.

# What's new in Version 3.6?

## Area and interval: get parameters with date

[3.6.4]

Links of this menu "Calendar | March | April" will be now:

- <http://hfs.die-netzmacher.de/kalender/month/201103/>
- <http://hfs.die-netzmacher.de/kalender/month/201104/>

See reference:

- `get_param.date_format`

## 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.

## 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_pil.displayList.display.searchform.respect_filters
```

## Filter 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

## Filter 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.



# Helpful suggestions

## Forum

The Browser has its own forum. We speak English and German.

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

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



Illustration 49: The TYPO3-Frontend-Engine Browser Forum



# Credits

## dorn & malag

Thanks to

dorn & malag  
agentur fürs netz  
<http://www.dorn-malag.de/>

who sponsored a part of the features CHECKBOX and RADIOBUTTONS.



Illustration 50: <http://www.dorn-malag.de/>

## LEG Thüringen

Thanks to

LEG Thüringen  
<http://leg-thueringen.de/>

who sponsored a part of the feature to filter data in local tables.



Illustration 51: <http://leg-thueringen.de/>



## To-Do List

Nothing to do.

# Change Log

- 3.9.22 **Improvement**  
#00000: optimising five tree views
- 3.9.21 **Improvement**  
#00000: enable more than one tree view by default
- 3.9.20 **Improvement**  
#00000: tree view performance
- 3.9.19 **Bugfix**  
#00000: andWhere search -> trim tableFields
- 3.9.18 **Bugfix**  
#00000: andWhere is ignored
- 3.9.16 **Bugfix**  
#00000: First filter item counts hits  
First filter item counts hits in the tree view proper
- 3.9.9: **New Feature**  
\* #33826: filter becomes cObject
- 3.9.6: **New Features**
  - #32223: Category tree
  - #30912: Filter: independent total hits
- 3.9.3: **New Features**
  - #32117: Condition for filters
- 3.6.0: **New Features**
  - #11580: Configurable: Should the search respect filters?
  - #11523: Hide the update report for public
  - #11402: Filter for areas
  - #11401: Filter for local table
  - #8807: Category Menu
- 3.5.0: **New Features**
  - #8335: Filter with multiple select
  - #8337: Filter with checkbox and radiobuttons
  - #9408: Display the number of hits in the filter items
- 3.4.0: **Update**  
Conditions for filtering
- 3.0.4: **Update**  
Filters are documented
- 3.0.3: **Update**  
Plugin has new properties for the search form.
- 3.0.1: **Publishing**
- 2.6.1: **Initial release**



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