



Browser Tutorial Labeling (en)



Version: 3.0.1, 2009-10-01 - Version is corresponding with the version of the Browser.

Extension Key: browser_tut_labeling_en - Tutorials for the extension Browser (extkey: browser)

Language: en

Keywords: forAdmins, forDevelopers, forBeginners, forIntermediates, forAdvanced, browser, tutorial, label, labeling

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Table of Contents

Browser Tutorial Labeling (en)	1	Step 3: Labeling "unknown" fields	6
Introduction	3	Step 4: Labeling conform with the guidelines of the WAI	8
What does it do?	3	Step 5: Field Properties from the TCA	9
Further Information	3	Reference	11
Tutorial: Labeling and Field Properties	4	Helpful suggestions	12
Intention	4	To-Do List	13
Step 1: The Browser Support for Labeling	4	Change Log	14
Step 2: Own Labels instead of TCA values	6	Illustration Index	15



Introduction

What does it do?

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

It is

- a step-by-step introduction for Labeling

only.

Further Information

This tutorial in PDF format

You find this tutorial as a PDF file at

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

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

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

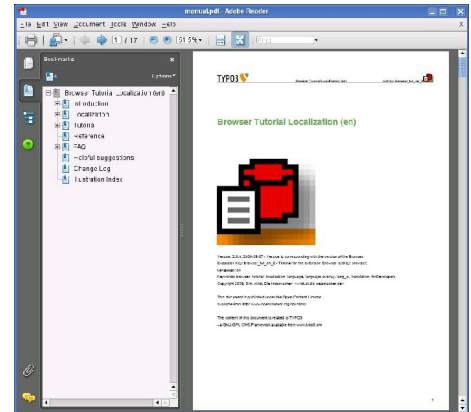


Illustration 1: Tutorial in PDF format



Tutorial: Labeling and Field Properties

Intention

The tutorial describes the steps for labeling the field names and the names of the registers in the frontend.

The Browser has an auto labeling: it takes the values from the TYPO3 TCA. And the Browser detects the properties from fields, which are registered in the TCA. It can recognize titles, images, documents and time stamps.

Sometimes you want to label names by your own or want another process for an image than the Browser.

To change labels or properties should be really simple.

TypoScript

You find the whole TypoScript code for this tutorial in the folder res/tutorial_01.

Step 1: The Browser Support for Labeling

Intention

We want to understand the labeling support.

TypoScript

You find the whole TypoScript code for this step in the folder res/tutorial_01/step_01.txt.

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

Result

Browser

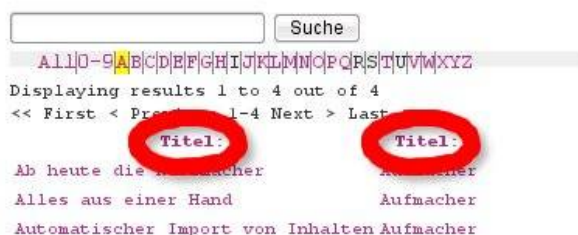


Illustration 2: The title of a news and the title of a category have the same label in the TCA.

Exercise

We activate the logging mode

- Labeling Support

You need the extension devlog, otherwise you won't get any message in your log report.

Please

- open the extension manager,
- choose the Browser Tutorial Labeling (en) extension and
- choose "Labeling Support" for logging.

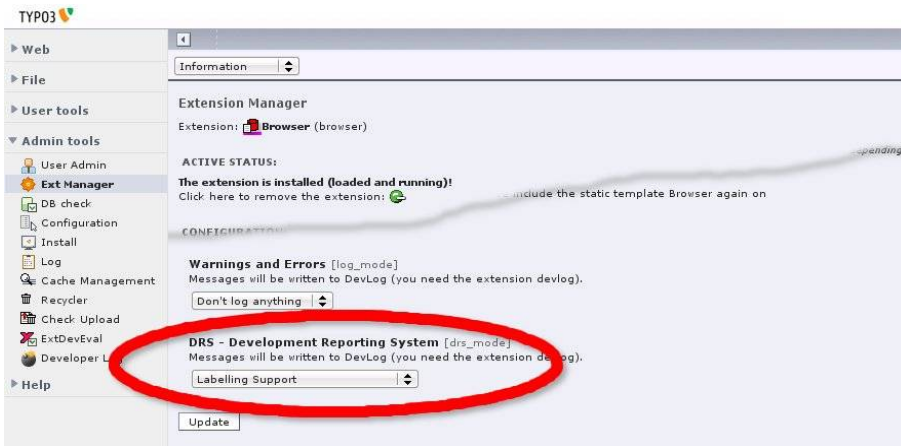


Illustration 3: DRS - Development Reporting System with "Labeling Support"

Reload the page "tutorial" in the frontend.

Log Report

Open the log report:

- Choose module "Tools" > "Developer Log" (you need the extension devlog).
- Search for the Word "Label:".
- You should find a line like this:

```
[INFO/LOCALLANG] Label is: Title:
```

- If it isn't possible to find this line, please clear the cache of the page "tutorial" and reload the page in the frontend again.
- Sometimes other extensions reports to devlog. Switch off that reporting.

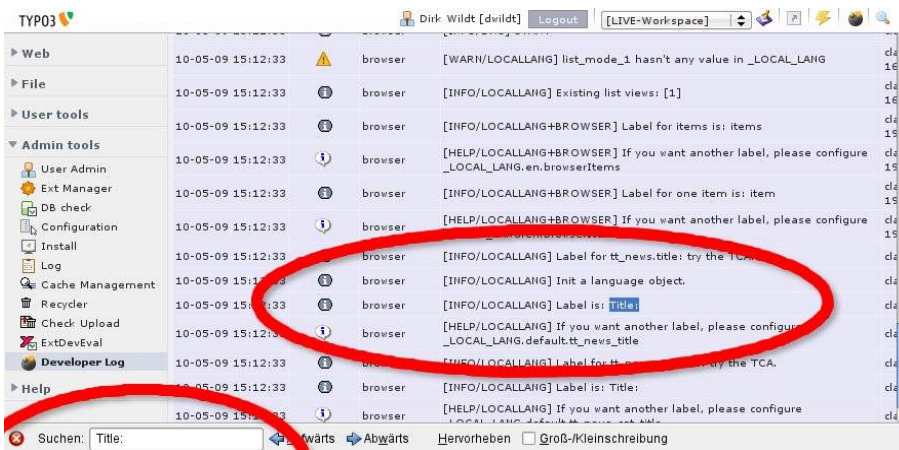


Illustration 4: The developer log with "Labeling Support" messages.

- We are interested in the three lines with the prefix [INFO/... and the one line with the prefix [HELP/...:

```
[INFO/LOCALLANG] Label for tt_news.title: try the TCA.
[INFO/LOCALLANG] Init a language object.
[INFO/LOCALLANG] Label is: Title:
[HELP/LOCALLANG] If you want another label, please configure _LOCAL_LANG.default.tt_news_title
```

The meaning of the lines should be clear.

The HELP line is the important line. It helps to configure TypoScript without reading any manual.

This is DRS **DRS** - the Development Reporting System. It is a new idea of supporting the configuration of TypoScript with a minimum of costs!

See the next step.



Step 2: Own Labels instead of TCA values

Intention

We want to change the label for the title of tt_news_category from the TCA value "Title:" to "Category:".

TypoScript

You find the whole TypoScript code for this step in res/tutorial_01/step_02.txt.

Exercise

We activate the DRS logging mode

- Labeling Support (see step 1 of this Tutorial).
- Reload the page "tutorial" in your frontend.
- Choose in the backend module "Tools" > "Developer Log" (you need the extension devlog).
- Search for the Word "Title:".
- You should find a line like this:

```
[INFO/LOCALLANG] Label is: Title:
```

There should be lines like this above and below:

```
[INFO/LOCALLANG] Label for tt_news_cat.title: try the TCA.
[INFO/LOCALLANG] Init a language object.
[INFO/LOCALLANG] Label is: Title:
[HELP/LOCALLANG] If you want another label, please configure _LOCAL_LANG.default.tt_news_cat_title
```

We are interested in the line with the HELP message.

We add at the end of our TypoScript a _LOCAL_LANG array and a value for the tt_news_category.title:

```
plugin.tx_browser_pil {
    _LOCAL_LANG {
        default {
            tt_news_cat_title = Category:
        }
    }
}
```

Result

Browser



Illustration 5: The own label for the category

The label for the category title is now "Category:" instead of "Title:".

Step 3: Labeling "unknown" fields

Intention

We want to label "unknown" fields. "Unknown" fields are fields, which aren't known in the TCA array.

This are the labels for the registers / views and i. e. for the TYPO3 field tstamp.



TypoScript

You find the whole TypoScript code for this step in res/tutorial_01/step_03.txt.

We have an example with two list views:

```
plugin.tx_browser_pil {
    views {
        list {
            1 {
                select = tt_news.title, tt_news_cat.title
            }
            2 {
                select = tt_news.title, tt_news.datetime
            }
        }
    }
}
```

Result

Browser



Illustration 6: List view with two views - [1] and [2].

Exercise

We activate the logging mode

- Labeling Support (see step 1 of this Tutorial).
- Reload the page "tutorial" in the frontend.
- Choose in the backend module "Tools" the "Developer Log" (you need the extension devlog).

In this step we are interested only in lines with the yellow warning icon and the white help icon:

```
[WARN/LOCALLANG] list_mode_1 hasn't any value in _LOCAL_LANG
[HELP/LOCALLANG] Please configure _LOCAL_LANG.default.list_mode_1.
```

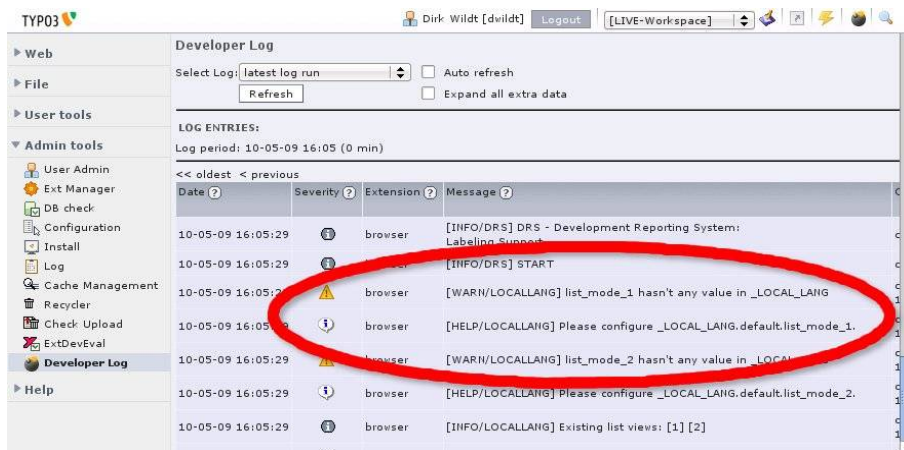


Illustration 7: The developer log

The logging reports the following:

- Every field is listed with a warning icon, which hasn't any value in the TCA or the _LOCAL_LANG array.
- We didn't named the registers. We got messages with a warning.



Please add the following TypoScript to the end of the current code:

```
plugin.tx_browser_pil {
    _LOCAL_LANG {
        default {
            list_mode_1 = Title with Category
            list_mode_2 = Title with Date
        }
    }
}
```

Result

Browser

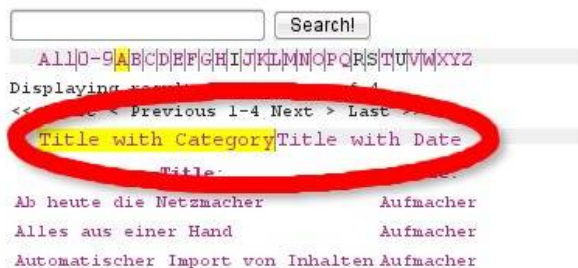


Illustration 8: List view with the labeled names for every view.

Step 4: Labeling conform with the guidelines of the WAI

Intention

The Browser Tutorial Labeling (en) is conform with the guidelines of the Web Accessibility Initiative (WAI). The WAI is very important for handicapped persons and for search engines too. It is important for search engines, because they can't understand any image and they can't understand any context.

The Browser Tutorial Labeling (en) uses the HTML tag table for lists. One guideline of the WAI is, to use summaries and captions in tables.

We didn't maintain this properties and tags. The DRS "Labeling Support" will have warning messages.

TypoScript

You find the whole TypoScript code for this step in res/tutorial_01/step_04.txt.

We have an example with two list views:

```
plugin.tx_browser_pil {
    views {
        list {
            1 {
                select = tt_news.title, tt_news_cat.title
            }
            2 {
                select = tt_news.title, tt_news.datetime
            }
        }
    }
    _LOCAL_LANG {
        default {
            list_mode_1 = Title with Category
            list_mode_2 = Title with Date
        }
    }
}
```

Exercise

We activate the logging mode

- Labeling Support (see step 1 of this Tutorial).



- Reload your page "tutorial" in the frontend.
- Choose in the backend module "Tools" the "Developer Log" (you need the extension devlog).

In this step we are interested only in lines with the yellow warning icon and lines with the Word "WAI":

```
[WARN/LOCALLANG] list_mode_1_summary hasn't any value in _LOCAL_LANG
[INFO/LOCALLANG] If you use a table it won't have any summary.
[INFO/LOCALLANG] This wouldn't according to the guidelines of the Web Accessibility Initiative (WAI)
[HELP/LOCALLANG] Please configure _LOCAL_LANG.default.list_mode_1_summary.
...
[WARN/LOCALLANG] list_mode_1_caption hasn't any value in _LOCAL_LANG
```

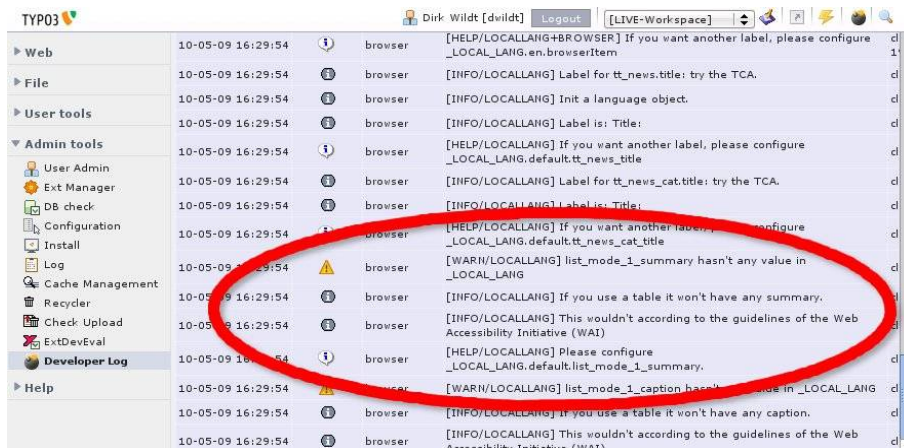


Illustration 9: The developer log with messages in context with the WAI

Please add the following TypoScript to the end of the current code:

```
plugin.tx_browser_pil {
    _LOCAL_LANG {
        default {
            list_mode_1_summary = This is a list with all news and their categories
            list_mode_1_caption = News with categories
        }
    }
}
```

Result

Browser

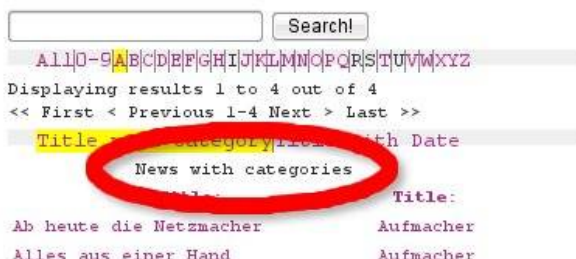


Illustration 10: The frontend with the table tag caption.

Browser

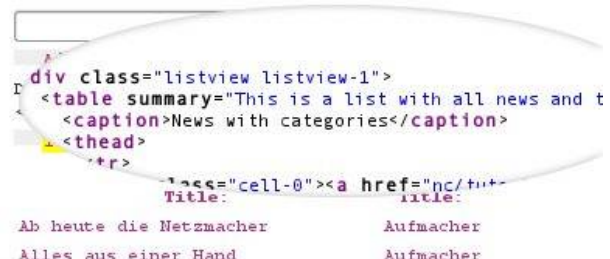


Illustration 11: The backend with the table property summary and the table tag caption.

Step 5: Field Properties from the TCA

TypoScript

The field properties have a TypoScript array.

```
plugin.tx_browser_pil {
    autoconfig {
        autoDiscover {
```



```
...
}
}
}
```

The elements of the array should be self-explanatory. See the illustration above.

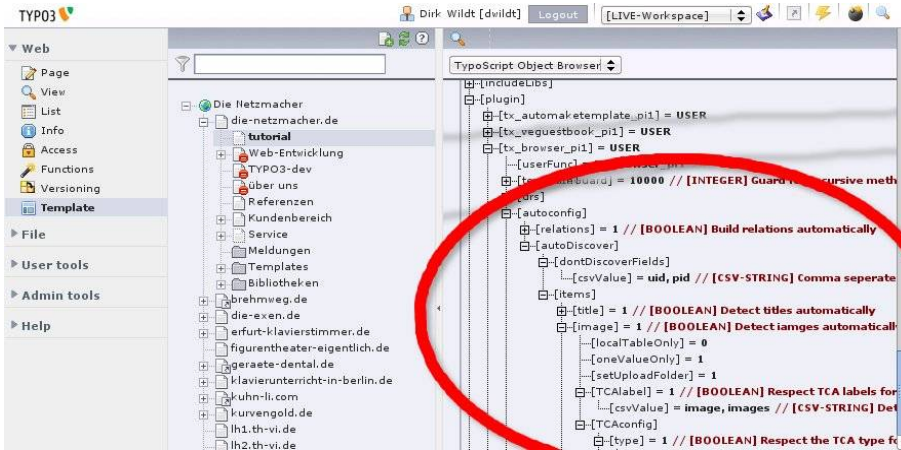


Illustration 12: The TypeScript array for auto configuring fields.

DRS - Development Reporting System

Switch on the DRS - Development Reporting System. Take one of these logging modes:

- Auto Discover development
- All

You should get helpful messages, if you want to change the configuration for field properties like this:

```
[INFO/SQL] TCA 'tt_news.category.config.foreign_table: 'tt_news_cat'
```

See the illustration below.

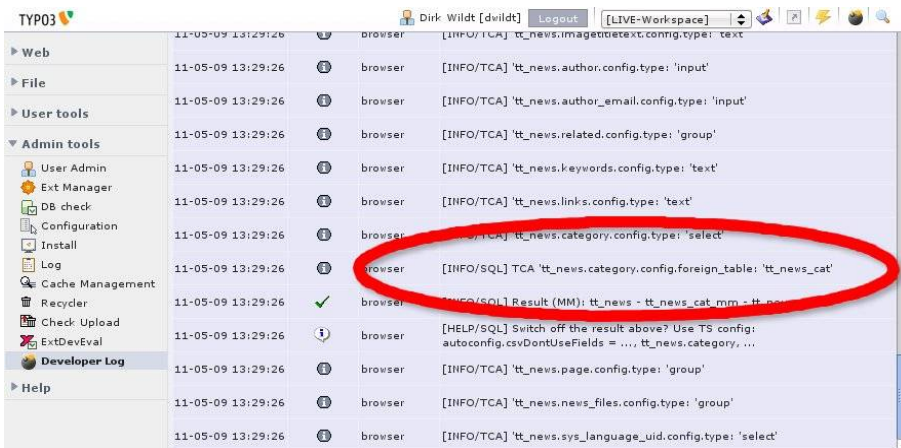


Illustration 13: The messages for auto configuring fields in the DRS.

Reference

See the section Reference / Localization in the Browsers manual in

- 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

Helpful suggestions

If you have helpful suggestions, feel free to contact me: wildt.at.die-netzmacher.de.

To-Do List

Nothing to do.

Change Log

3.0.1

- Publishing
- Initial release

Illustration Index

Illustration 1: Tutorial in PDF format.....	3
Illustration 2: The title of a news and the title of a category have the same label in the TCA.....	4
Illustration 3: DRS - Development Reporting System with "Labeling Support".....	5
Illustration 4: The developer log with "Labeling Support" messages.....	5
Illustration 5: The own label for the category.....	6
Illustration 6: List view with two views - [1] and [2].....	7
Illustration 7: The developer log.....	7
Illustration 8: List view with the labeled names for every view.....	8
Illustration 9: The developer log with messages in context with the WAI.....	9
Illustration 10: The frontend with the table tag caption.	9
Illustration 11: The backend with the table property summary and the table tag caption.....	9
Illustration 12: The TypoScript array for auto configuring fields.....	10
Illustration 13: The messages for auto configuring fields in the DRS.....	10