

# pt\_extlist

documentation

## 1. About the document

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Table 1. Information about the document

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## 2. Reading this

A documentation for users, administrators and developers.

The users will learn how to install and setup a demo list. The administrators will learn setting up a list and plugin configuration. The developers will learn what pt\_extlist is about and how they can manipulate pt\_extlist.

The users and administrators need the basic knowledge about programming. (write more!)

What is the author's intention?

## 3. What does it do?

This extension is intended to generate all sorts of lists. The data sources for the list can be a database or an extbase repository or anything you write a data-backend for (SOAP, CSV, XML, ...).

There are different steps you have to do if you want to set up a list. For a detailed example see section "Instruction" ###TODO insert link here###.

Here are some screenshots to give you an impression of how it looks like.

Country name (local country name) ▾	Capital ▾	ISO ▾	Phone ▾	Continent ▾
 Andorra <a href="#">Details</a>	Andorra la Vella	AD	376	Europe
 Afghanistan (افغانستان) <a href="#">Details</a>	Kabul	AF	93	Asia
 Antigua and Barbuda <a href="#">Details</a>	St John's	AG	1268	Americas
Anguilla <a href="#">Details</a>	The Valley	AI	1264	Americas
 Albania (Shqipëria) <a href="#">Details</a>	Tirana	AL	355	Europe
Netherlands Antilles (Nederlandse Antillen) <a href="#">Details</a>	Willemstad	AN	599	Americas
 Angola <a href="#">Details</a>	Luanda	AO	244	Africa
 Argentina <a href="#">Details</a>	Buenos Aires	AR	54	Americas
American Samoa (Amerika Samoa) <a href="#">Details</a>	Pago Pago	AS	685	Oceania
 Austria (Österreich) <a href="#">Details</a>	Vienna	AT	43	Europe

Figure 1. List rendered from static\_countries table

Besides the list itself, there are some more widgets that can be created by pt\_extlist:

### Static countries

Country Name	<input type="text"/>	All defined Fields	<input type="text"/>	Max Phone	<input type="text"/>
			Contine <input type="checkbox"/> Africa (57) <input type="checkbox"/> Americas (51) <input type="checkbox"/> Asia (47) <input type="checkbox"/> Europe (44) <input type="checkbox"/> Oceania (27)		
Subcontinent	<input type="text" value="[ALL]"/>				
			<input type="button" value="Submit Filters"/> <a href="#">Filter zurücksetzen</a>		

Figure 2. Filters for static\_countries table

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<< < 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 > >>

Figure 3. Pager for static\_countries table

The plugin's flexform lets you insert a pt\_extlist plugin as a content element where you can configure your plugin's appearance:

General	Plugin	Access	Appearance	Behaviour
<b>Selected Plugin</b> <input type="text" value="ExtList"/>				
<b>Plugin Options</b> <input type="text" value="DEF:"/>				
<input type="button" value="General Options"/> <input type="button" value="Export settings"/> <input type="button" value="Bookmarks settings"/> <input type="button" value="Filterbox settings"/> <input type="button" value="Pager settings"/> <input type="button" value="Breadcrumbs settings"/>				
List Identifier <input type="text" value="demolist"/>				
Plugin type <input type="text" value="List"/>				

Figure 4. Flexform for inserting plugin

You can put several content elements on a page for setting up the layout and appearance of your widgets:

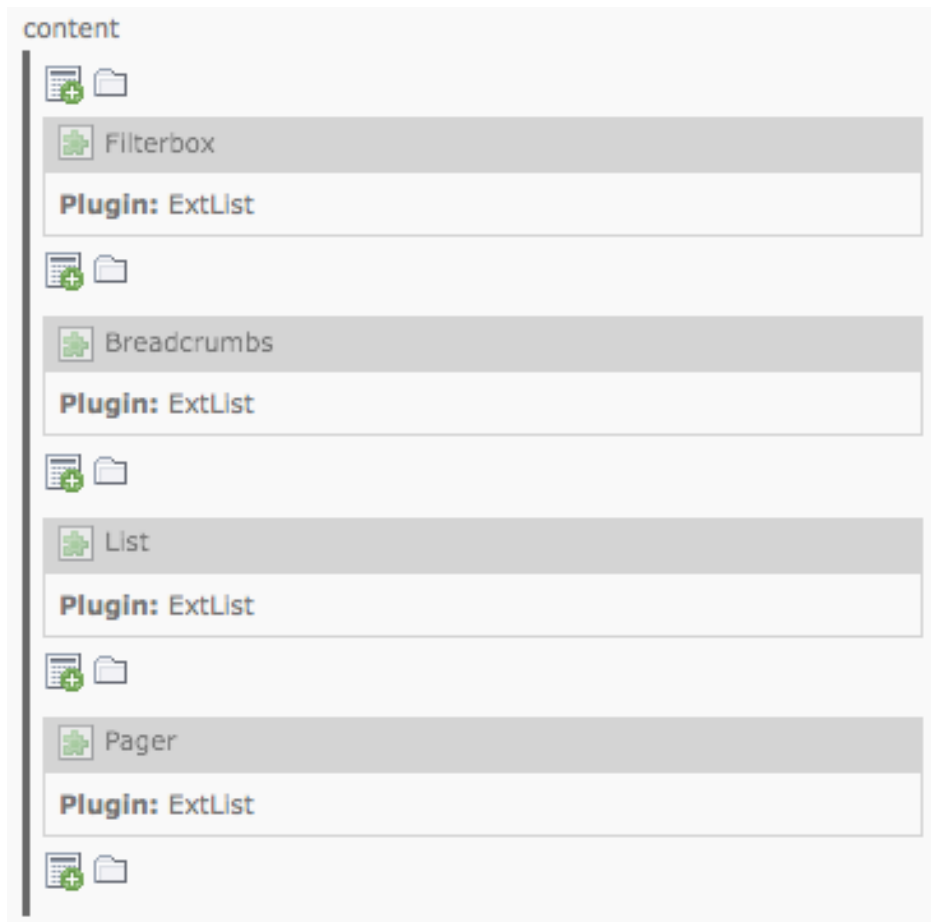


Figure 5. Content elements for pt\_extlist

## 4. Examples

In this section, some examples will be provided to describe the functionality of pt\_extlist. Before you can start, make sure, that pt\_extlist is installed and loaded using Extension Manager.

### 4.1. Setting up a demo list based on static\_countries table

In this example, you will learn how to create a list by using a TYPO3 table as data source. We will use static\_countries table as it is available on all TYPO3 installations.

We will set up a page showing filters, list and pager for static countries.

1. Create a new page inside your page tree and open the template module. Open Template module and create new extension template:

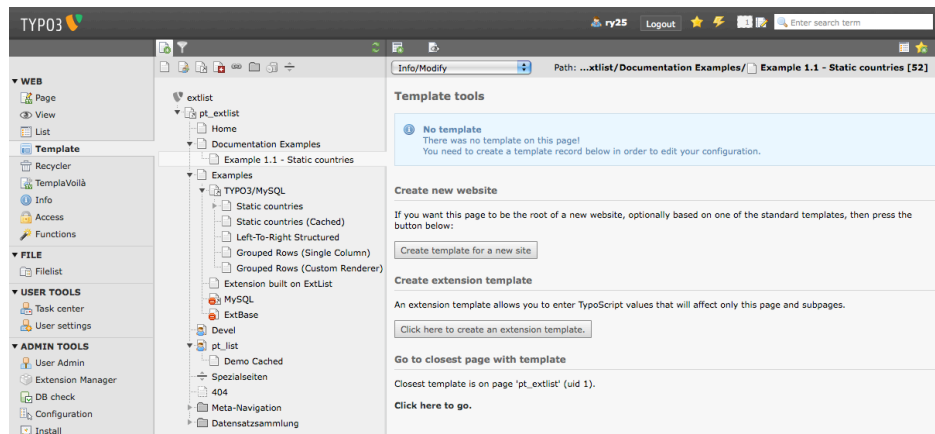


Figure 6. Create new extension template ###TODO### insert 1,2,3 for showing what to do in image

2. Give your extension template a proper name:



Figure 7. Give your extension template a proper name

3. Switch to the "Includes" Tab and select the following templates:

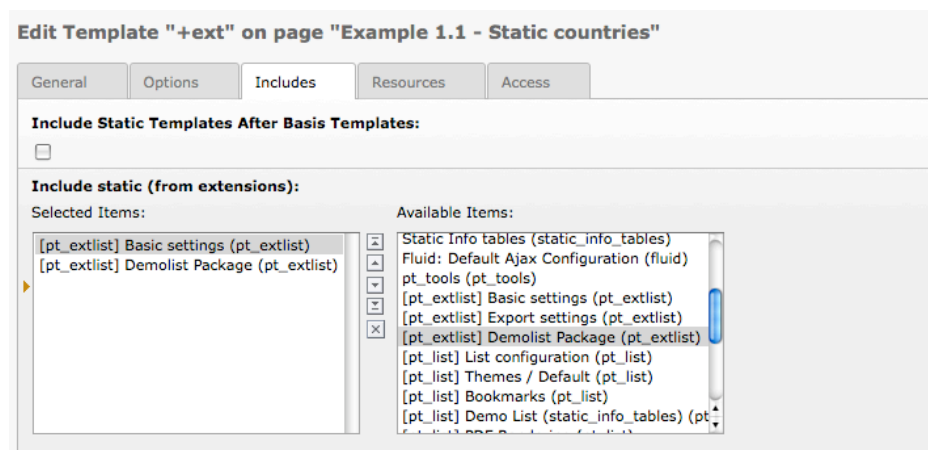


Figure 8. Select Basic settings and demolist package as static templates

4. Save your template and switch to the page module.
5. Select the page you just created and insert a new content element of type "plugin":

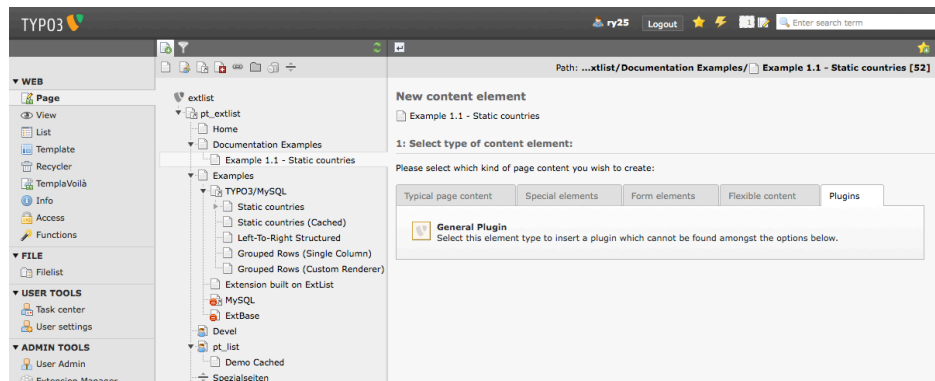


Figure 9. Insert plugin as content element

6. Select ExtList from the page content's "Selected Plugin" list:

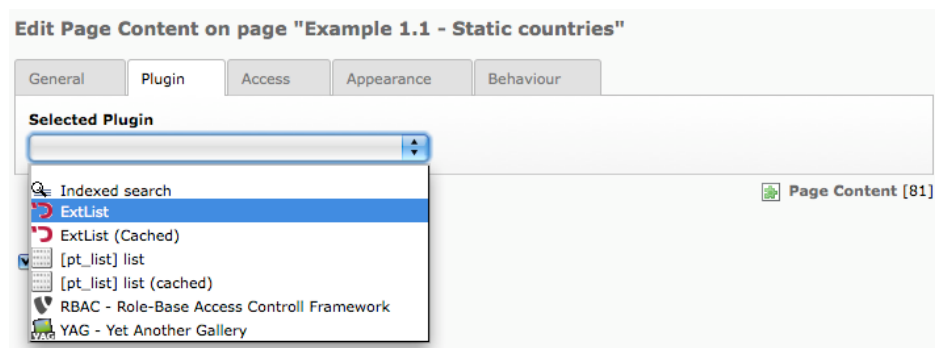


Figure 10. Select ExtList as content type

7. In the flexform for ExtList select "demolist"

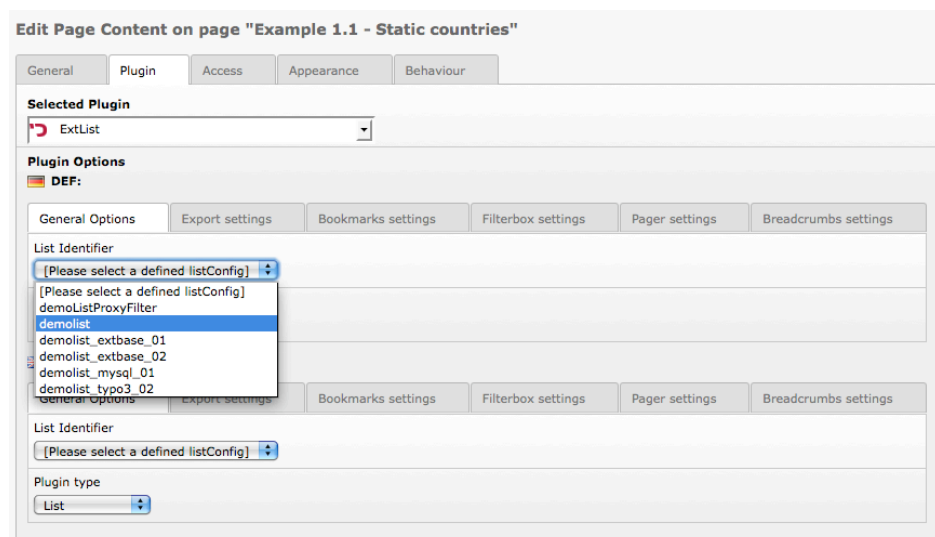


Figure 11. Select "demolist" as list identifier

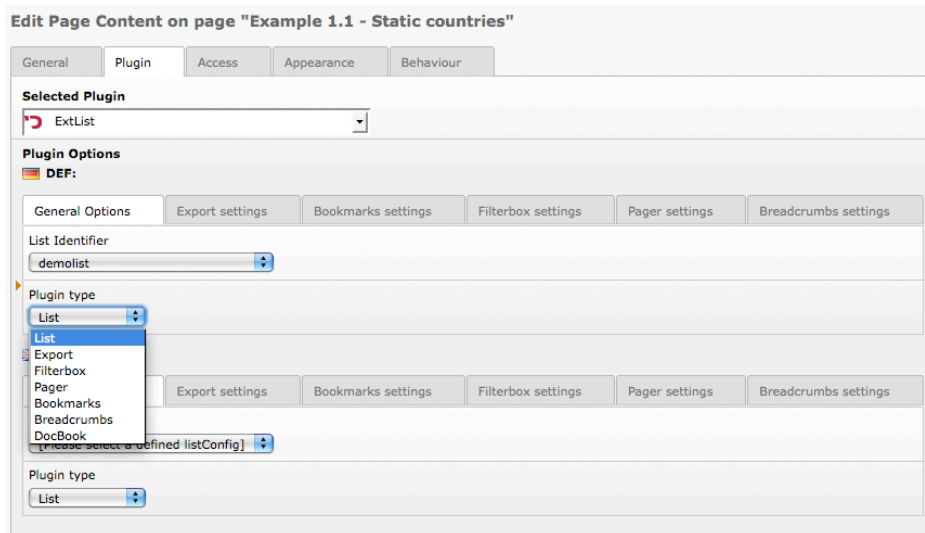
8. As plugin type select "Filterbox":

Figure 12. Select "Filterbox" as Plugin Type

9. Switch to the "Filterbox settings" Tab and input "filterbox1" as Filterbox Identifier:

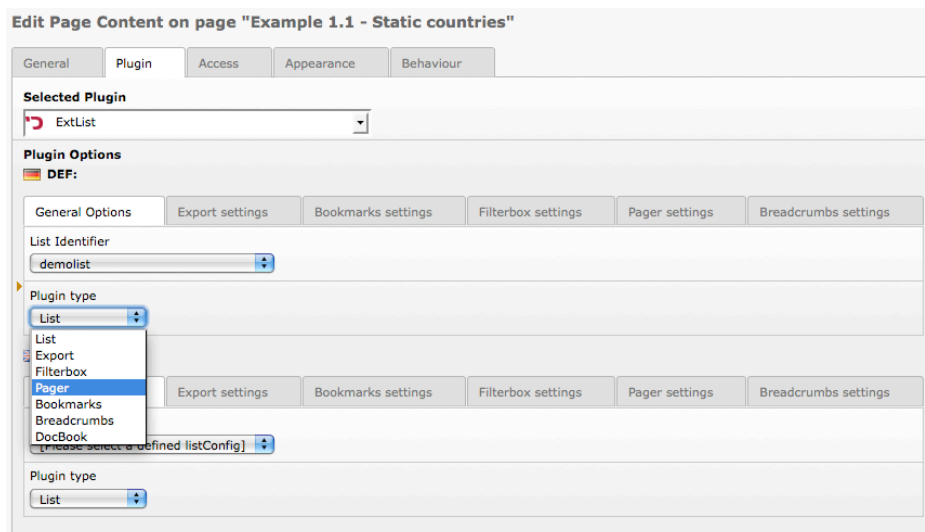
Figure 13. Setting the filterbox identifier

10 Save your content element and create another one just below. Select "Plugin" as content type and "ExtList" as plugin type just as you did before. Again select "demolist" as list identifier (steps 5 - 7 above), but this time select "list" as plugin type:



**Figure 14. Select "List" as Plugin Type**

11 Save and create a third content element. Repeat steps 5 - 7 from above, the select "demolist" as List Identifier and select "Pager" as Plugin Type:



**Figure 15. Select "Pager" as Plugin Type**

12 Save content element and take a look at the page in the Frontend. Depending on your CSS Styles, it should look somehow like that:



### Example 1.1 - Static countries

Country Name

All defined Fields

Max Phone

Contine

☐ Africa (57)  
☐ Americas (51)  
☐ Asia (47)  
☐ Europe (44)  
☐ Oceania (27)

Subcontinent

[ALL]

Submit Filters

[Filter zurücksetzen](#)

Country name (local country name) ⌵	Capital ⌵	ISO ⌵	Phone ⌵	Continent ⌵
<a href="http://www.un.org">http://www.un.org</a> Andorra <a href="#">Details</a>	Andorra la Vella	AD	376	Europe
<a href="http://www.un.org">http://www.un.org</a> Afghanistan (افغانستان) <a href="#">Details</a>	Kabul	AF	93	Asia
<a href="http://www.un.org">http://www.un.org</a> Antigua and Barbuda <a href="#">Details</a>	St John's	AG	1268	Americas
<a href="#">Anguilla Details</a>	The Valley	AI	1264	Americas
<a href="http://www.un.org">http://www.un.org</a> Albania (Shqipëria) <a href="#">Details</a>	Tirana	AL	355	Europe
<a href="#">Netherlands Antilles (Nederlandse Antillen) Details</a>	Willemstad	AN	599	Americas
<a href="http://www.un.org">http://www.un.org</a> Angola <a href="#">Details</a>	Luanda	AO	244	Africa
<a href="http://www.un.org">http://www.un.org</a> Argentina <a href="#">Details</a>	Buenos Aires	AR	54	Americas
<a href="#">American Samoa (Amerika Samoa) Details</a>	Pago Pago	AS	685	Oceania
<a href="http://www.un.org">http://www.un.org</a> Austria (Österreich) <a href="#">Details</a>	Vienna	AT	43	Europe
			<b>Min.: 0</b> <b>Ø: 693.6372</b> <b>Max.: 35818</b> <b>Σ: 156762</b>	

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Figure 16. Frontend view of ExtList widgets

13 Now let's do a little more advanced stuff and change the number of records shown per page. Therefore switch to the Template module and select the page where you added the content elements above. Write the following line of code into your setup field:

```
plugin.tx_pgettextlist.settings.listConfig.demolist.pager.itemsPerPage = 4
```

Now reload your page in the Frontend and look what's happening - there should be only 4 records per page anymore:

Country name (local country name) ⚙	Capital ⚙	ISO ⚙	Phone ⚙	Continent ⚙
<a href="http://www.un.org">http://www.un.org</a> Andorra <a href="#">Details</a>	Andorra la Vella	AD	376	Europe
<a href="http://www.un.org">http://www.un.org</a> Afghanistan (افغانستان) <a href="#">Details</a>	Kabul	AF	93	Asia
<a href="http://www.un.org">http://www.un.org</a> Antigua and Barbuda <a href="#">Details</a>	St John's	AG	1268	Americas
Anguilla <a href="#">Details</a>	The Valley	AI	1264	Americas
			<b>Min.: 0</b>	
			<b>☎: 693.6372</b>	
			<b>Max.: 35818</b>	
			<b>Σ: 156762</b>	

Figure 17. List after changing items per page

So that's it - you just set up your first list! Feel free to test the other sample configurations shipping with pt\_extlist to see some more features.

## 5. Write the title action-orientated according to the target group.

If you want to make the user to do something use this section . Write a short introduction or if necessary a short summary for long instructions. A sentence mustn't be longer than 25 words. Use the same words for the same meaning, be consistent. Use as less specialist terms as possible according to the target group. An instruction can be linked to an example. If you need figures, use a caption. Observe the chronology.

- Write one step each sentence, at least one predicat and one object. Use the imperative. Use the formal term of address somebody. Avoid passive formulation.
  - Write an alternative, at least one predicat and one object. Use the imperative. Use the formal term of address somebody .Avoid passive formulation.
- Write one step each sentence, at least one predicat and one object. Use the imperative. Use the formal term of address somebody. Avoid passive formulation.



### Caution

If there is a danger for human beings (element warning), you can use "do not...". If there is a danger for the product use a positive formulation. If there is a condition, use the term "when" at the beginning of the sentence.

- Write one step each sentence, at least one predicat and one object. Use the imperative. Use the formal term of address somebody. Avoid passive formulation.
 

--> Write a an interim result. E.g.:Dialog box opens.
- Write one step each sentence, at least one predicat and one object. Use the imperative. Use the formal term of address somebody. Avoid passive formulation.
 

=> Write a result.E.g.:You installed program xy.
- Write one step each sentence, at least one predicat and one object. Use the imperative. Use the formal term of address somebody. Avoid passive formulation.
- Write one step each sentence, at least one predicat and one object. Use the imperative. Use the formal term of address somebody. Avoid passive formulation.



### Warning

If there is a danger for human beings (element warning), you can use "Do not...".

- Write an alternative, at least one predicat and one object. Use the imperative. Use the formal term of address somebody .Avoid passive formulation.
1. Write one step each sentence, at least one predicat and one object. Use the imperative. Use the formal term of address somebody. Avoid passive formulation.
  2. Write one step each sentence, at least one predicat and one object. Use the imperative. Use the formal term of address somebody. Avoid passive formulation.
- Write an alternative, at least one predicat and one object. Use the imperative. Use the formal term of address somebody .Avoid passive formulation.

## 5.1. Add subsections, if necessary.

## 6. Architecture

This section gives you an overview of the architecture of pt\_extlist. It shows its design principles and gives you a hint on where to make your hands dirty if you want to extend pt\_extlist or use it in third party extensions.

### 6.1. Who should read this?

If you are just interested in how pt\_extlist works and want to see how things are put together, the following chapter could be a nice thing to read. If you are a developer and want to extend pt\_extlist or want to use it as an API inside your extension, it's necessary to read this!

### 6.2. Overview

Take a look at the following figure to get a first impression of pt\_extlist's architecture:

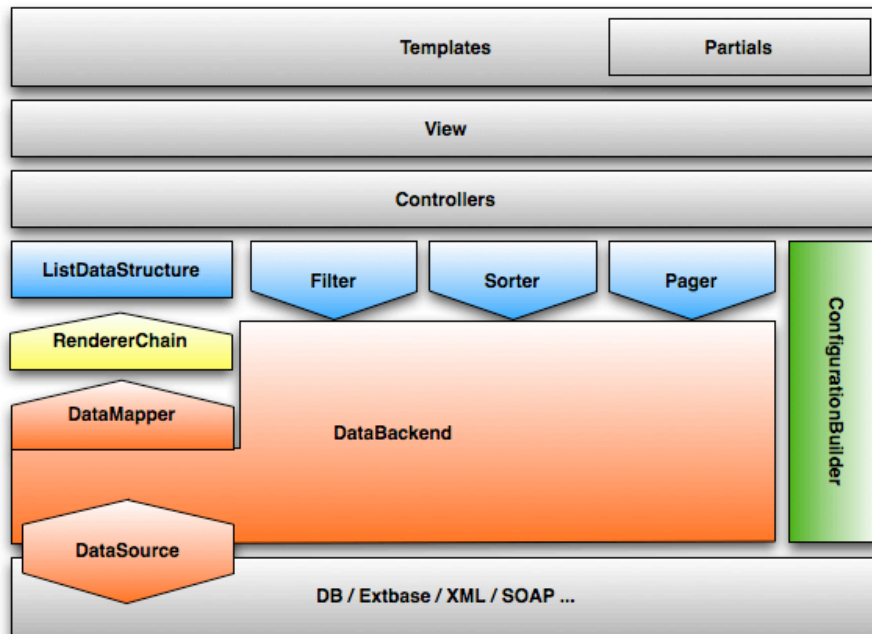


Figure 18. Basic Architecture of pt\_extlist

The red elements stand for data-related stuff. DataSource gets our data from whatever source we use. Sources can be TYPO3 databases as well as arbitrary MySQL databases and Extbase repositories.

The green elements are configuration-specific which means that they pull our configuration from TYPOScript or Flexforms and do various merging on them to generate some nice-to-handle objects that are used for all configuration inside pt\_extlist.

The blue elements are what we would like to call our Domain Models as they handle things like lists, filters, pagers etc. which is the core domain of our extension.

Finally the yellow elements stand for all objects that handle the rendering of our list data. As we will see, this can get quite complex.

Our extension architecture is surrounded by some out-of-the box framework stuff provided mainly by Extbase and TYPO3.

### 6.3. Configuration

Regarding our extension in a bottom-up fashion, we can easily start with configuration as its the basic thing to have before we can set up anything else. As you might have suggested, most of our configuration is using in TYPOScript. Besides there are some settings coming from Flexform or surrounding extensions. We covered this problem inside pt\_extlist using what we call a configurationBuilder. Roughly speaking, it is an object that handles the creation of all configuration stuff we need. As we did not like fiddling around with arrays, we started to implement so called configuration objects for all the configuration that we needed. The main aspects of those objects is to make sure that the required settings are there and correct. Configuration objects are passed to all other objects that require some kind of configuration.

Take a look at this diagram to get an idea of how everything works together:

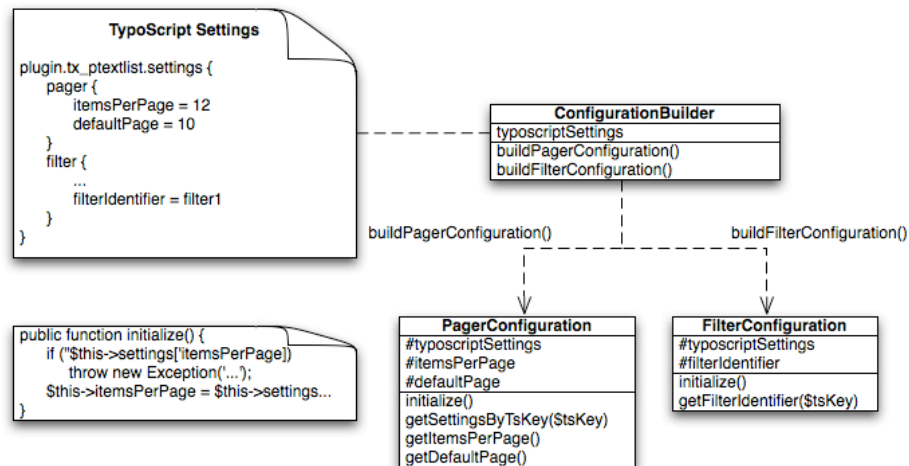


Figure 19. Configuration Builder scheme

## 7. pt\_extlist

TypoScript Reference

### plugin.tx\_ptextlist.settings

plugin.tx\_ptextlist.settings

#### Description

Main TS-key for all pt\_extlist settings.

NO

#### Child elements

listConfig,

### listConfig

listConfig

#### Description

Holds configuration for all list identifiers configured by array key.

**Datatype:** Associative Array (listIdentifier => listConfiguration)

NO

#### Child elements

[yourListId],

## [yourListId]

[yourListId]

### Description

Holds configuration for a single list identifier  
NO

### Example

```
here comes some sample code
```

### Child elements

default, backendConfig, fields, columns, rendererChain, aggregateData, aggregateRows, filters, headerPartial, bodyPartial, aggregateRowsPartial,

## default

default

### Description

List default values.  
NO

### Child elements

sortingColumn,

## sortingColumn

sortingColumn

### Description

The default sorting column while no other sorting is set.

**Datatype:** String

**Possible values:** Any column identifier

NO

## backendConfig

backendConfig

### Description

Holds the configuration for the used data backend.

NO

## Variants

backendConfig.mysql, backendConfig.typo3, backendConfig.extbase,

## Variants of backendConfig:

## backendConfig.mysql

backendConfig.mysql

### Description

Typo3 Backend. Inherits the Features from the MySql Backend but the datasource is already configured. The Typo3 Backend handles enableFields automatically in where clauses.

NO

**StdWrap:** plugin.tx\_pgettextlist.prototype.backend.mysql

### Child elements

datasource, baseFromClause, baseWhereClause, baseGroupByClause,

## datasource

datasource

### Description

NO

## baseFromClause

baseFromClause

### Description

Holds the FROM clause of a mysql query without the FROM keyword.

**Datatype:** String

YES

### Example

```
static_countries
LEFT JOIN static_territories AS st_subcontinent ON (static_countries.cn_parent_tr_iso_nr
= st_subcontinent.tr_iso_nr)
```

## baseWhereClause

baseWhereClause

### Description

Holds the WHERE clause of a mysql query without the WHERE keyword.  
NO

### Example

```
st_continent.tr_name_en [] ''
```

## baseGroupByClause

baseGroupByClause

### Description

Holds the GROUP BY clause of a mysql query without the GROUP BY keyword.

**Datatype:** String

YES

### Example

```
st_continent
```

## backendConfig.typo3

backendConfig.typo3

### Description

Typo3 Backend. Inherits the Features from the MySql Backend but the datasource is already configured.  
The Typo3 Backend handles enableFields automatically in where clauses.  
NO

### Example

```
backendConfig < plugin.tx_pgettextlist.prototype.backend.typo3
backendConfig {
    tables (
        static_countries,
        static_territories st_continent,
        static_territories st_subcontinent
    )

    baseFromClause (
        static_countries
        LEFT JOIN static_territories AS st_subcontinent ON
        (static_countries.cn_parent_tr_iso_nr = st_subcontinent.tr_iso_nr)
        LEFT JOIN static_territories AS st_continent ON (st_subcontinent.tr_parent_iso_nr =
        st_continent.tr_iso_nr)
    )
}
```



```
baseWhereClause (
  st_continent.tr_name_en <> ''
  AND st_subcontinent.tr_name_en <> ''
)
```

#### Child elements

tables,

## tables

tables

#### Description

'Enable fields where clauses' are applied to all tables given.

**Datatype:** Boolean

**Possible values:** 0,1

NO

#### Example

```
static_countries,
static_territories st_continent
```

## backendConfig.extbase

backendConfig.extbase

#### Description

Extbase Repository Backend.

NO

**StdWrap:** plugin.tx\_ptextlist.prototype.backend.extbase

## fields

fields

#### Description

Defines raw datasource fields, wich can than combined and processed in to table fields.

**Datatype:** Associative array

NO

#### Child elements

[yourFieldId],

## [yourFieldId]

[yourFieldId]

### Description

Named definition of a single data field.

**Datatype:** String

NO

### Example

```
name_local {  
  table = static_countries  
  field = cn_short_local  
  isSortable = 1  
}
```

### Child elements

table, field, special, isSortable, expandGroupRows,

## table

table

### Description

The table, this field belongs to.

**Datatype:** String

NO

## field

field

### Description

Name of the tables field.

NO

## special

special

### Description

Insert a individual SQL snippet.

NO

## isSortable

isSortable

### Description

NO

## expandGroupRows

expandGroupRows

### Description

NO

## columns

columns

### Description

Holds the tables column definitions.

**Datatype:** Array

NO

### Example

```
10 {
  label = LLL:EXT:pt_extlist/Configuration/TypoScript/Demolist/
  locallang.xml:cn_short_localColumn
  columnIdentifier = cn_short_localColumn
  fieldIdentifier = cn_short_local
  isSortable = 1
}
```

### Child elements

10,20,30,

## 10,20,30

10,20,30

### Description

NO

### Child elements

fieldIdentifier, label, renderUserFunctions, renderTemplate, renderObj, sorting, sortingImageAsc, sortingImageDesc, sortingImageDefault, accessGroups, cellCSSClass,

## fieldIdentifier

fieldIdentifier

### Description

Identifier of a defined field.

NO

## label

label

### Description

A label for this element.

**Datatype:** String

YES

## renderUserFunctions

renderUserFunctions

### Description

A list of userfunctions to render the field value.

NO

### Example

```
renderUserFunctions {  
  10 = EXT:pt_extlist/Resources/Private/UserFunctions/  
  class.tx_ptextlist_demolist_renderer.php:tx_ptextlist_demolist_renderer-  
>iso2CodeRenderer  
}
```

## renderTemplate

renderTemplate

### Description

NO

## renderObj

renderObj

**Description**

NO

**sorting**

sorting

**Description**

NO

**sortingImageAsc**

sortingImageAsc

**Description**

NO

**sortingImageDesc**

sortingImageDesc

**Description**

NO

**sortingImageDefault**

sortingImageDefault

**Description**

NO

**accessGroups**

accessGroups

**Description**

NO

## cellCSSClass

cellCSSClass

### Description

NO

## rendererChain

rendererChain

### Description

Holds the renderer configuration.

NO

**StdWrap:** plugin.tx\_pgettextlist.prototype.rendererChain

### Child elements

enabled, rendererConfigs,

## enabled

enabled

### Description

**Datatype:** Boolean

**Possible values:** 0,1

**Default:** 1

NO

## rendererConfigs

rendererConfigs

### Description

A list of chained renderer classes that work on list data structures. The default renderer class uses the column configuration, to render the list of field data in a list of rows and columns. By default this renderer is called at position 100. All defined renderer before 100 work on a field data list, while renderer after 100 work on a column list data structure.

**Datatype:** Array (10,20,30)

NO

### Child elements

[yourNumericRendererId],

## [yourNumericRendererId]

[yourNumericRendererId]

### Description

Configuration of a single renderer.

**Possible values:** 10,20,30

NO

### Child elements

renderClassName,

## renderClassName

renderClassName

### Description

The class name of the renderers php class.

**Datatype:** String

NO

## aggregateData

aggregateData

### Description

Defines aggregates of data fields.

**Datatype:** Associative array

NO

### Child elements

[yourAggregateFieldId],

## [yourAggregateFieldId]

[yourAggregateFieldId]

### Description

Named definition of a single data field.

**Datatype:** Associative array

NO

## Example

```
sumPhone {  
  fieldIdentifier = phone  
  method = sum  
  scope = query  
}
```

### Child elements

method, scope,

## method

method

### Description

Defined aggregate methods.

**Datatype:** String

**Possible values:** min,max,sum,avg

NO

## scope

scope

### Description

The scope for the aggregation can be either set to the current page or to the whole query. Aggregates for the current page are calculated internally without an additional database query.

**Datatype:** String

**Possible values:** page,query

NO

## aggregateRows

aggregateRows

### Description

Holds the aggregates columns definitions.

**Datatype:** Associative array

**Possible values:** All columnIdentifiers

NO

### Child elements

[yourColumnId],



## [yourColumnId]

[yourColumnId]

### Description

NO

### Child elements

aggregateDataIdentifier,

## aggregateDataIdentifier

aggregateDataIdentifier

### Description

**Datatype:** String

NO

## filters

filters

### Description

Holds all filterbox configurations.

**Datatype:** Associative array

NO

### Child elements

[yourFilterBoxId],

## [yourFilterBoxId]

[yourFilterBoxId]

### Description

NO

**StdWrap:** plugin.tx\_ptextlist.prototype.filterBox

### Child elements

showReset, showSubmit, filterConfigs,

## showReset

showReset

### Description

Show a reset link for all filters of this filterBox.

**Datatype:** Boolean

**Possible values:** 0,1

**Default:** 1

NO

## showSubmit

showSubmit

### Description

Show a submit button for this filterBox.

**Datatype:** Boolean

**Possible values:** 0,1

**Default:** 1

NO

## filterConfigs

filterConfigs

### Description

Holds the configuration of the filters of this filter box.

**Datatype:** Array

**Possible values:** 10,20,30...

NO

### Child elements

[yourNumericFilterId],

## [yourNumericFilterId]

[yourNumericFilterId]

### Description

NO

### Variants

String, Select, Checkbox, radiobutton, firstletter, Proxy,

Variants of [yourNumericFilterId]:

## String

String

### Description

Shows a string filter.

NO

**StdWrap:** plugin.tx\_ptextlist.prototype.filter.string

### Example

```
10 < plugin.tx_ptextlist.prototype.filter.string
10 {
  filterIdentifier = firstNameSearch
  label = Firstname
  fieldIdentifier = firstName
}
```

### Child elements

filterIdentifier, label, defaultValue, accessGroups, filterClassName, partialPath, invert, invertable,

## filterIdentifier

filterIdentifier

### Description

The unique identifier of this filter.

**Datatype:** String

NO

## label

label

### Description

The label which is displayed beside the filter.

**Datatype:** String

NO

## defaultValue

defaultValue

### Description

The default value which is shown or selected by default.

**Datatype:** String

NO

## accessGroups

accessGroups

### Description

Comma separated list of user groups which have access to this filter.

**Datatype:** Comma separated list.

**Possible values:** Typo3 Group Ids

NO

## filterClassName

filterClassName

### Description

Name of the PHP Class of this filter.

**Datatype:** String

NO

### Example

```
Tx_PtExtlist_Domain_Model_Filter_StringFilter
```

## partialPath

partialPath

### Description

NO

## invert

invert

**Description**

Invert the constraint of this filter.

**Datatype:** Boolean

**Possible values:** 0,1

**Default:** 0

NO

## invertable

invertable

**Description**

Show a controle to invert this filter.

**Datatype:** Boolean

**Possible values:** 0,1

**Default:** 0

NO

## Select

Select

**Description**

NO

**StdWrap:** plugin.tx\_ptextlist.prototype.filter.select

**Child elements**

filterIdentifier, fieldIdentifier, label, partialPath, filterClassName, defaultValue, accessGroups, invert, invertable, displayFields, multiple, excludeFilters, showRowCount, submitOnChange, inactiveOption, inactiveValue,

## filterIdentifier

filterIdentifier

**Description**

The unique identifier of this filter.

**Datatype:** String

NO

## fieldIdentifier

fieldIdentifier

### Description

Identifier of a defined data field. The filter affects on this data field.

**Datatype:** String

NO

## label

label

### Description

The label which is displayed beside the filter.

**Datatype:** String

NO

## partialPath

partialPath

### Description

NO

## filterClassName

filterClassName

### Description

Name of the PHP Class of this filter.

**Datatype:** String

NO

### Example

```
Tx_PtExtlist_Domain_Model_Filter_StringFilter
```

## defaultValue

defaultValue

**Description**

The default value which is shown or selected by default.

**Datatype:** String

NO

## accessGroups

accessGroups

**Description**

Comma separated list of user groups wich have access to this filter.

**Datatype:** Comma eparated list.

**Possible values:** Typo3 Group Ids

NO

## invert

invert

**Description**

Invert the constraint of this filter.

**Datatype:** Boolean

**Possible values:** 0,1

**Default:** 0

NO

## invertable

invertable

**Description**

Show a controle to invert this filter.

**Datatype:** Boolean

**Possible values:** 0,1

**Default:** 0

NO

## displayFields

displayFields

**Description**

One or multiple identifiers of previously defined data fields.

**Datatype:** String / Comma separated list

**Possible values:** Previously defined field identifier.

**Default:** If not set, the field defined in fieldIdentifier is used.

NO

## multiple

multiple

**Description**

**Datatype:** Boolean

**Possible values:** 0,1

**Default:** 0

NO

## excludeFilters

excludeFilters

**Description**

List of filters that are not considered for the group query of this filter.

**Datatype:** String / Comma separated list of filterIdentifiers.

NO

## showRowCount

showRowCount

**Description**

Show the rowcount if the select filter is filled with grouped data.

**Datatype:** Boolean

**Possible values:** 0,1

**Default:** 1

NO

## submitOnChange

submitOnChange



**Description**

Instant submit filter if a value is selected.

**Datatype:** Boolean

**Possible values:** 0,1

**Default:** 0

NO

## inactiveOption

inactiveOption

**Description**

Label of an option that is added to the select list. If this option is selected, the filter is inactive.

**Datatype:** String

NO

## inactiveValue

inactiveValue

**Description**

The submitted value for the inactiveOption described above.

**Datatype:** String

NO

## Checkbox

Checkbox

**Description**

NO

**StdWrap:** plugin.tx\_ptextlist.prototype.filter.checkbox

**Child elements**

filterIdentifier, fieldIdentifier, label, partialPath, filterClassName, defaultValue, accessGroups, invert, invertable, displayFields, multiple, excludeFilters, showRowCount, submitOnChange, inactiveOption, inactiveValue,

## filterIdentifier

filterIdentifier

**Description**

The unique identifier of this filter.

**Datatype:** String

NO

**fieldIdentifier**

fieldIdentifier

**Description**

Identifier of a defined data field. The filter affects on this data field.

**Datatype:** String

NO

**label**

label

**Description**

The label which is displayed beside the filter.

**Datatype:** String

NO

**partialPath**

partialPath

**Description**

NO

**filterClassName**

filterClassName

**Description**

Name of the PHP Class of this filter.

**Datatype:** String

NO

**Example**

```
Tx_PtExtlist_Domain_Model_Filter_StringFilter
```

## defaultValue

defaultValue

### Description

The default value which is shown or selected by default.

**Datatype:** String

NO

## accessGroups

accessGroups

### Description

Comma separated list of user groups which have access to this filter.

**Datatype:** Comma separated list.

**Possible values:** Typo3 Group Ids

NO

## invert

invert

### Description

Invert the constraint of this filter.

**Datatype:** Boolean

**Possible values:** 0,1

**Default:** 0

NO

## invertable

invertable

### Description

Show a control to invert this filter.

**Datatype:** Boolean

**Possible values:** 0,1

**Default:** 0

NO

## displayFields

displayFields

### Description

One or multiple identifiers of previously defined data fields.

**Datatype:** String / Comma separated list

**Possible values:** Previously defined field identifier.

**Default:** If not set, the field defined in fieldIdentifier is used.

NO

## multiple

multiple

### Description

**Datatype:** Boolean

**Possible values:** 0,1

**Default:** 0

NO

## excludeFilters

excludeFilters

### Description

List of filters that are not considered for the group query of this filter.

**Datatype:** String / Comma separated list of filterIdentifiers.

NO

## showRowCount

showRowCount

### Description

Show the rowcount if the select filter is filled with grouped data.

**Datatype:** Boolean

**Possible values:** 0,1

**Default:** 1

NO

## submitOnChange

submitOnChange

### Description

Instant submit filter if a value is selected.

**Datatype:** Boolean

**Possible values:** 0,1

**Default:** 0

NO

## inactiveOption

inactiveOption

### Description

Label of an option that is added to the select list. If this option is selected, the filter is inactive.

**Datatype:** String

NO

## inactiveValue

inactiveValue

### Description

The submitted value for the inactiveOption described above.

**Datatype:** String

NO

## radiobutton

radiobutton

### Description

NO

**StdWrap:** plugin.tx\_ptextlist.prototype.filter.checkbox

### Child elements

filterIdentifier, fieldIdentifier, label, partialPath, filterClassName, defaultValue, accessGroups, invert, invertable, displayFields, multiple, excludeFilters, showRowCount, submitOnChange, inactiveOption, inactiveValue,

## filterIdentifier

filterIdentifier

### Description

The unique identifier of this filter.

**Datatype:** String

NO

## fieldIdentifier

fieldIdentifier

### Description

Identifier of a defined data field. The filter affects on this data field.

**Datatype:** String

NO

## label

label

### Description

The label which is displayed beside the filter.

**Datatype:** String

NO

## partialPath

partialPath

### Description

NO

## filterClassName

filterClassName

### Description

Name of the PHP Class of this filter.

**Datatype:** String

NO

## Example

```
Tx_PtExtlist_Domain_Model_Filter_StringFilter
```

## defaultValue

defaultValue

### Description

The default value which is shown or selected by default.

**Datatype:** String

NO

## accessGroups

accessGroups

### Description

Comma separated list of user groups wich have access to this filter.

**Datatype:** Comma eparated list.

**Possible values:** Typo3 Group Ids

NO

## invert

invert

### Description

Invert the constraint of this filter.

**Datatype:** Boolean

**Possible values:** 0,1

**Default:** 0

NO

## invertable

invertable

### Description

Show a controle to invert this filter.

**Datatype:** Boolean

**Possible values:** 0,1

**Default:** 0

NO

## displayFields

displayFields

### Description

One or multiple identifiers of previously defined data fields.

**Datatype:** String / Comma separated list

**Possible values:** Previously defined field identifier.

**Default:** If not set, the field defined in fieldIdentifier is used.

NO

## multiple

multiple

### Description

**Datatype:** Boolean

**Possible values:** 0,1

**Default:** 0

NO

## excludeFilters

excludeFilters

### Description

List of filters that are not considered for the group query of this filter.

**Datatype:** String / Comma separated list of filterIdentifiers.

NO

## showRowCount

showRowCount

### Description

Show the rowcount if the select filter is filled with grouped data.

**Datatype:** Boolean

**Possible values:** 0,1

**Default:** 1



NO

## submitOnChange

submitOnChange

### Description

Instant submit filter if a value is selected.

**Datatype:** Boolean

**Possible values:** 0,1

**Default:** 0

NO

## inactiveOption

inactiveOption

### Description

Label of an option that is added to the select list. If this option is selected, the filter is inactive.

**Datatype:** String

NO

## inactiveValue

inactiveValue

### Description

The submitted value for the inactiveOption described above.

**Datatype:** String

NO

## firstletter

firstletter

### Description

NO

**StdWrap:** plugin.tx\_ptextlist.prototype.filter.firstletter

**Child elements**

filterIdentifier, fieldIdentifier, label, partialPath, filterClassName, defaultValue, accessGroups, invert, invertable, displayFields, multiple, excludeFilters, showRowCount, submitOnChange, inactiveOption, inactiveValue,

**filterIdentifier**

filterIdentifier

**Description**

The unique identifier of this filter.

**Datatype:** String

NO

**fieldIdentifier**

fieldIdentifier

**Description**

Identifier of a defined data field. The filter affects on this data field.

**Datatype:** String

NO

**label**

label

**Description**

The label which is displayed beside the filter.

**Datatype:** String

NO

**partialPath**

partialPath

**Description**

NO

## filterClassName

filterClassName

### Description

Name of the PHP Class of this filter.

**Datatype:** String

NO

### Example

```
Tx_PtExtlist_Domain_Model_Filter_StringFilter
```

## defaultValue

defaultValue

### Description

The default value which is shown or selected by default.

**Datatype:** String

NO

## accessGroups

accessGroups

### Description

Comma separated list of user groups wich have access to this filter.

**Datatype:** Comma eparated list.

**Possible values:** Typo3 Group Ids

NO

## invert

invert

### Description

Invert the constraint of this filter.

**Datatype:** Boolean

**Possible values:** 0,1

**Default:** 0

NO

## invertable

invertable

### Description

Show a controle to invert this filter.

**Datatype:** Boolean

**Possible values:** 0,1

**Default:** 0

NO

## displayFields

displayFields

### Description

One or multiple identifiers of previously defined data fields.

**Datatype:** String / Comma separated list

**Possible values:** Previously defined field identifier.

**Default:** If not set, the field defined in fieldIdentifier is used.

NO

## multiple

multiple

### Description

**Datatype:** Boolean

**Possible values:** 0,1

**Default:** 0

NO

## excludeFilters

excludeFilters

### Description

List of filters that are not considered for the group query of this filter.

**Datatype:** String / Comma separated list of filterIdentifiers.

NO

## showRowCount

showRowCount

### Description

Show the rowcount if the select filter is filled with grouped data.

**Datatype:** Boolean

**Possible values:** 0,1

**Default:** 1

NO

## submitOnChange

submitOnChange

### Description

Instant submit filter if a value is selected.

**Datatype:** Boolean

**Possible values:** 0,1

**Default:** 0

NO

## inactiveOption

inactiveOption

### Description

Label of an option that is added to the select list. If this option is selected, the filter is inactive.

**Datatype:** String

NO

## inactiveValue

inactiveValue

### Description

The submitted value for the inactiveOption described above.

**Datatype:** String

NO

## Proxy

Proxy

### Description

A proxy filter is not displayed. It uses a filter from an other list defined by the proxy path and sets the result constraint to the given field.

NO

**StdWrap:** plugin.tx\_ptextlist.prototype.filter.proxy

### Child elements

proxyPath,

## proxyPath

proxyPath

### Description

Path to a filter from an other list. The path has the format [listId].[filterBoxId].[filterId]

**Datatype:** String

NO

### Child elements

filterIdentifier, defaultValue, label, accessGroups, filterClassName, partialPath, invert,

## filterIdentifier

filterIdentifier

### Description

The unique identifier of this filter.

**Datatype:** String

NO

## defaultValue

defaultValue

### Description

The default value which is shown or selected by default.

**Datatype:** String

NO

## label

label

### Description

The label which is displayed beside the filter.

**Datatype:** String

NO

## accessGroups

accessGroups

### Description

Comma separated list of user groups which have access to this filter.

**Datatype:** Comma separated list.

**Possible values:** Typo3 Group Ids

NO

## filterClassName

filterClassName

### Description

Name of the PHP Class of this filter.

**Datatype:** String

NO

### Example

```
Tx_PtExtlist_Domain_Model_Filter_StringFilter
```

## partialPath

partialPath

### Description

NO

## invert

invert

**Description**

Invert the constraint of this filter.

**Datatype:** Boolean

**Possible values:** 0,1

**Default:** 0

NO

## headerPartial

headerPartial

**Description**

Path to the header partial.

**Datatype:** String

NO

## bodyPartial

bodyPartial

**Description**

Path to the body partial.

**Datatype:** String

NO

## agregateRowsPartial

agregateRowsPartial

**Description**

Path to the aggregate row partial.

**Datatype:** String

NO

## 8. Extending pt\_extlist

This chapter is mainly for developing and extending pt\_extlist.



## 8.1. RenderChain

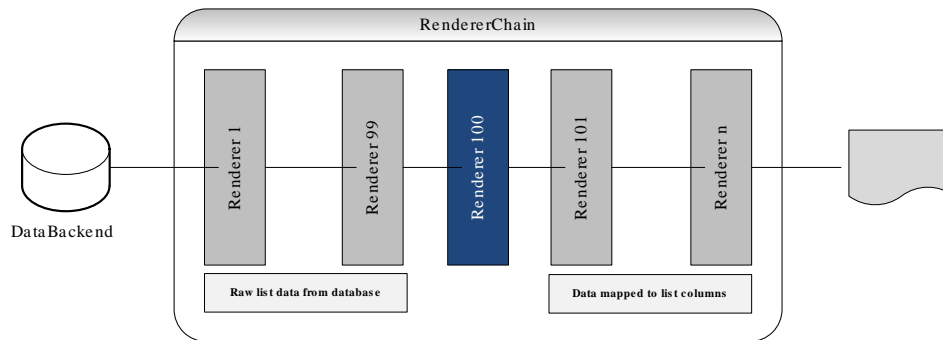


Figure 20. RenderChain

## 9. Glossary

### Glossary

#### E

Extended Markup Language	A set of rules for encoding documents in machine-readable form. It is defined in the XML 1.0 Specification produced by the W3C, and several other related specifications, all gratis open standards.
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