

## EXT: Document database

Extension Key: doc\_db

Language: en

Keywords: forEditors, extJS, fe, search, adding category to page

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

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# Introduction

## What does it do?

The Document database extension (doc\_db) act as a document database. It extends the logic of pages, adding various sorts of descriptors (type of doc, institutional owner, status), including a fully flexible tree of categories (desscriptors).

A search plugin is also featured, that allows users to search for a page. Moreover, the plugin can be configured in the backend, to deliver pre-defined lists of documents (page type, doktype) to the frontend.

That new version (0.3.0) is almost a complete overhaul of version 0.2.3. Indeed, the front-end search form was not very user friendly. Browsing through the tree of descriptors (categories) was not easy and the page was reloaded every time that a branch was opened and there was no way to search for categories without guessing where they could be. So, the work was to improve the way to find what we seek.

The frondend plugin was built with [extJS](#) library and use [Ext.Direct Remoting technology](#) wich is provided by [jw\\_extjsdirect](#) extension as TYPO3 service.

## Screenshots

Here some screenshots of the result in frontend.

### The search form.

All data are asynchronously loaded and available items are related to the criteria of selection. Only those related to documents are visible.

**Advanced search**

Owner	Type	Status
Central Committee	All Types ...	All Status ...
Commission on International Affairs	Background document	Adopted
Commission on World Mission and Evangelism	Minutes	Final
Continuation Committee on Ecumenism in the 21st Century	Pastoral letter	For action
Echos - Commission on youth in the ecumenical movement	Statement: letter	For information
Executive committee	Statement: minute	
General Secretary	Statement: public statement	
Joint Working Group		
Other ecumenical bodies		

**Descriptors** Search Reset

☐ All ☐ Combinaison ☐ and ☒ or ☐ Filter:

- Events
  - Geographical descriptor
    - Africa
      - ☐ Chad
      - ☐ Congo DR (May 1997-...)
      - ☐ Djibouti
      - ☒ Eritrea
      - ☐ Ethiopia
      - ☐ Kenya
      - ☐ Somalia
      - ☐ Sudan
      - ☐ Uganda
      - ☐ Zimbabwe (1980-...)
    - Americas and the Caribbean
    - Asia
    - Europe
  - Other Organisations, Churches
    - Subject
      - A
      - C
      - D

## Grid result

Result

Search again

Title	Date	Key	Type	Status
60th anniversary of the Geneva Conventions	12.08.09		Statement: public statement	

Owner: General Secretary

Type: Statement: public statement

Last updated: 12 August 2009

Related descriptors:

- Human rights
- Kobia, Samuel (Rev.)(6th WCC General Assembly)
- National security
- Prisoner of war
- War

Letter to the United Church of Canada

Solidarity message to churches in Nigeria

Letter to the Nigerian president

Letter to the president of Pakistan

13th Assembly of the Conference of Bishops of the Anglican Communion

Page 6 of 24

60th anniversary of the Geneva Conventions

View this document as a separate page

Public statement on the occasion marking the 60th anniversary of the Geneva Conventions

60 years ago today, on 12 August 1949, the international community adopted the Geneva Conventions which aimed at limiting the devastating effects of war by protecting people not actively taking part in armed conflicts. Today, 194 countries in the world have ratified the Geneva Conventions and their Additional Protocols which still provide the most relevant framework for protecting civilians and sick, wounded or captured combatants. The overwhelming support for these measures from all countries in the world shows that the Geneva Conventions have played a significant role in war and conflicts over the past six decades.

The commemoration of the 60th anniversary of the Geneva Conventions provides an occasion to verify the extent to which their moral authority and standards are recognised and respected in contemporary situations of war and conflict. Although the Geneva Conventions make clear distinctions between civilians and combatants, civil and military targets, the complexity of today's armed conflicts creates severe difficulties for effective implementation of International Humanitarian Law in the context of war.

Millions of people all over the world experience daily situations in which their rights to life and security are threatened. It is in this context that the international community needs to think of new ways to strengthen effective mechanisms to ensure respect for the Geneva Conventions. In this regard it is crucially important to develop ways to promote respect and improve compliance with these laws that continue to be an essential instrument in assuring the protection of human rights and the security of all people.

## Credits

The development of this extension was commissioned and funded by the WCC (World Council of Churches).

## Keeping the developer happy

If you like this extension, do not hesitate to rate it and if not, too bad. You may also take a step back and reflect about the beauty of sharing.

# Installation

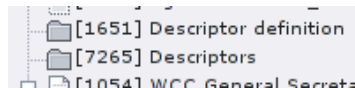
## Installing the extension

The installation is a pretty straightforward procedure:

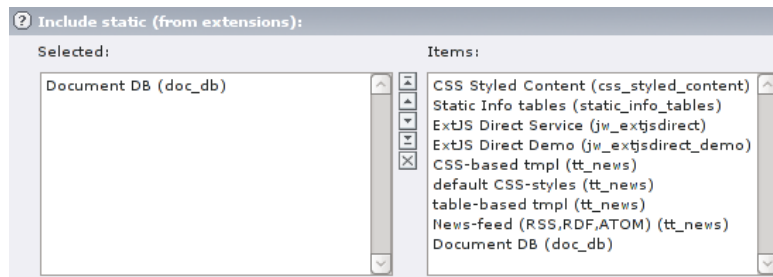
1. download and install the extension using the Extension Manager. Create db tables.  
Also, install the necessary extensions requested during the installation process. The extension manager will let you know which ones.

If you have an older version installed, please jump to the next section of the manual: [upgrading](#)

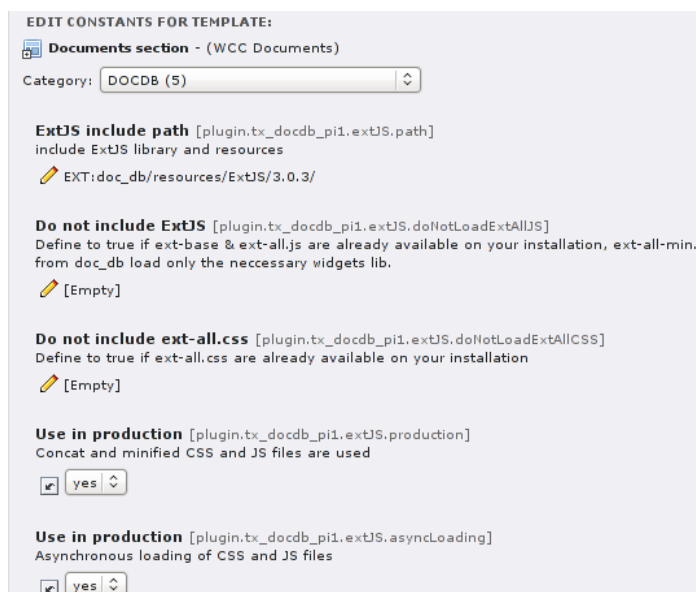
2. Create the sysFolders storage, one for the Descriptors definition (owner,type,status) and one for the Descriptors.  
Or only one, if you do not have many items.



3. Go back to the extension manager and edit the values needed to set.
  1. Document Definition storage page Id
  2. Descriptors(cat) storage page Id
  3. Read the message with ref. By the red number.
4. Include the extension's static TS template (Document DB (doc\_db)) into your template.  
You don't need to include static TS from 'ExtJS Direct Service'.



5. You can set the Typoscript contents with the constant editor. The default values are fine for production.  
See the configuration section: [configuration](#)



6. Add initial data, insert the Document DB plugin as content element on your page and set the parameters provided by flexform. All of that is explained in the section: [Users Manual](#).

## Upgrading

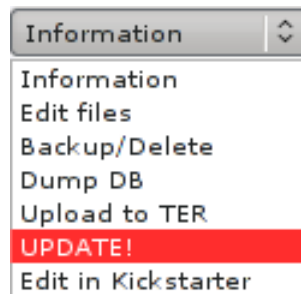
There are some minor things to pay attention to when upgrading from older versions

### Upgrading from version 0.2.3 and below

Some database fields need to be renamed to work with the new version.

After install, you just need to set the "Document Definition storage page Id" in extension manager and click update at the bottom of the form of settings.

After that, choose the UPDATE menu from the selectbox above the form or click on update link on the right top. After follow instructions on the screen.



Some database tables will be also renamed. But first they will be copied and renamed with the prefix zzz\_deleted followed the old name. (if zzz\_ tables already exists, a datetime prefix is added and to not overwrite data) Then existing data is imported into the new tables. It will be handled by the update process.

*note: if you reinstall an older version after the new version and after that, you re-install this version. you could loose some data. (eventually in the field named status from tx\_docdb\_status table). but you can find this data in field named zzz\_deleted... (with phpmyadmin)*

The updater panel show you if some update are required.

If you have some SQL queries related (ex. in pageTS or tmpITS) to those old tables, the tablenamees should be adapted.

# Users Manual

## Adding initial data

### First add "descriptors definition" (owner,type,status)

In the sysFolder that you have created, corresponding to the "Document Definition storage page Id" define in extension manager, add the initial data that you want to have that will serve to define your documents.

Document Owner (22)	Document Type (21)	Document Status (5)
<b>Document Owner</b>	<b>Document Type</b>	<b>Status</b>
Assembly	Advocacy report	Adopted
Central Committee	Article - News item	Final
Commission on Faith and Order	Background document	For action

### And add Descriptors (categories)

In the sysFolder that you have created, corresponding to the "Descriptors(cat) storage page Id" define in extension manager, add the initial descriptors items that you want to have that will serve to define your documents.

Descripteur de document [55047] - Aagaard, Johannes (Prof. Dr.)

General Descripteur-s relatif-s

Nom de descripteur

Aagaard, Johannes (Prof. Dr.)

Hide:

☐

Descripteur parent

Selected:

A

Items:

- Descripteur de document
- AAAAAAAAAAAA
- AAAAAAAAAAAAAEST
- Events
- Geographical descriptor
- Individuals
- Aagaard, Anne Marie
- Aagaard, Johannes (Prof. Dr.)
- Aalders, P. F. Th. (Prof.)

Descripteur de document [55047] - Aagaard, Johannes (Prof. Dr.)

General Descripteur-s relatif-s

Selected:

Aarhus, Denmark, 1964, Aug  
Abidjan, Côte d'Ivoire, 1969

Items:

- Descripteur de document
- AAAAAAAAAAAA
- Events
- A Aarhus, Denmark, 1947, June 16...
- A Aarhus, Denmark, 1964, August ...
- A Aarhus, Denmark, 1967, September

Add a descriptor name and select a parent if any.

On the right tab, you can select one or several related descriptors.

To make the search easier for a descriptor, a wizard is available. It allows a multiple selection before imported into the form.

Click on the magnifying glass icon to open it.

*The WCC have about fifteen thousand of these descriptors. Indeed, it can be hard to use hierachical tree to select what you seek.*

**SEARCH A DESCRIPTOR** Autosearch: min. 4 c. or 2 c. and press enter

Search String:  ☒ at the beginning

**Search results**

**Descriptors** ->

Ghana (1957...)	<input type="checkbox"/>
Ghana Church Union Committee	<input type="checkbox"/>

**Selected items** Import selection ☒

**Descriptors**

Aarhus, Denmark, 1964, August 15-27, Faith and Order Commission meeting	<input checked="" type="checkbox"/>
Aarhus, Denmark, 1967, September 11-15, ICCAJ meeting	<input checked="" type="checkbox"/>

Once you have a bunch of data, now you are ready to set these data as attributes of a document (type of page:Document)

## Set page type as Document

Create a new page or choose an existing page. In the page properties, go to the field "Type" select "Document". You should see the next screen or not so far of that:

<p><b>Page [7258] - Opening Address - International Consulta...</b></p> <p><b>Hide page:</b> <input type="checkbox"/></p> <p><b>Type:</b> <b>A</b> Document</p> <p>Layout: Normal <b>B</b> Last updated: 22:00 20-10-2009 'New' until:  No search:  <input type="checkbox"/></p> <p><b>Page title:</b> <b>C</b> Opening Address - International Consultation on Pe</p> <p>Alias:  Target:  No cache:  Cache expires: Default</p> <p><b>Subtitle:</b> <input type="text"/></p> <p><b>Hide in menu:</b> <input checked="" type="checkbox"/></p> <p><b>Abstract:</b> <input type="text"/></p> <p>Author:  Email:  <input type="text"/></p>	<p>The properties used in frontend are represented by green bullets.</p> <table border="1"> <tr><td>A.</td><td>Type of page: Document</td></tr> <tr><td>B.</td><td>Last update datetime</td></tr> <tr><td>C.</td><td>Document Title</td></tr> <tr><td>D.</td><td>Institutional Owner</td></tr> <tr><td>E.</td><td>Document Type</td></tr> <tr><td>F.</td><td>Document Status</td></tr> <tr><td>G.</td><td>Document Key ref.</td></tr> <tr><td>H.1</td><td>Document Descriptor-s</td></tr> <tr><td>I.</td><td>Related Page-s</td></tr> </table>	A.	Type of page: Document	B.	Last update datetime	C.	Document Title	D.	Institutional Owner	E.	Document Type	F.	Document Status	G.	Document Key ref.	H.1	Document Descriptor-s	I.	Related Page-s
A.	Type of page: Document																		
B.	Last update datetime																		
C.	Document Title																		
D.	Institutional Owner																		
E.	Document Type																		
F.	Document Status																		
G.	Document Key ref.																		
H.1	Document Descriptor-s																		
I.	Related Page-s																		
<p><b>Document Owner:</b> <b>D</b> General Secretary</p> <p><b>Document Type:</b> <b>E</b> Lecture - Speech</p> <p><b>Document Status:</b> <b>F</b> None</p> <p><b>Document Key:</b> <b>G</b> <input type="text"/></p> <p><b>Document Descriptor-s:</b> <b>H</b></p> <p>Selected: Kobia, Samuel (Rev.)(6th W Korea DPR (1948-...) Korea R (1948-...) Reconciliation AAAAAAAAAAATTEST</p> <p>Items: Document Descriptor AAAAAAAAAAAA AAAAAAAAAAATTEST Events Geographical descriptor Individuals Other Organisations, Churches Subject WCC Member Churches WCC Organisation</p>	<p>1. Descriptor-s: As you can see. Unlike the proposed method of selection for editing and managing descriptors where we must be able to select the parent node, here only the descriptors that are leaves (end of branch) are selectable.</p> <p>To assist in research, the descriptors search wizard is also available. It display the result that contain only those descriptors leaves.</p>																		
<p><b>Related Pages:</b> <b>I</b> <input type="text"/></p> <p>Page</p>																			



# Add plugin

## Add plugin as a content element

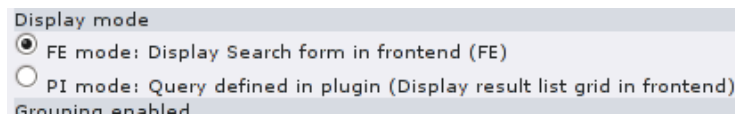
Document database (doc\_db) plugin can be inserted as a traditional content element on a page, just like any other plug-in. Just choose the right type either from the plug-ins list in the content element form or from the new content wizard.



## Setting up the plugin

Two mode ara available:

FE: search form in frontend view. and PI: Pre-defined searches.



All available parameters can be set using the provided flexform. The flexform is split into two tabs.

1. General : the properties that can be set in each mode are described below.
2. display options: the properties that can be set are described here.

General	Parameters of frontend plugin display
Main div panel	
Total width:...(px)	
<input type="text" value="700"/>	
Multi-select 3 columns (owner/type/status)	
Height:...(px)	
<input type="text" value="210"/>	
Descriptor tree	
Min height:...(px)	
<input type="text" value="300"/>	
Descriptor tree	
Max height:...(px)	
<input type="text" value="1000"/>	
Grid result Panel	
Total height:...(px)	
<input type="text" value="510"/>	
Grid result	
Height:...(px)	
<input type="text" value="380"/>	
Grid result:	
Number of results per page	
<input type="text" value="10"/>	
Document detail: contextual box window:	
Width:...(px)	
<input type="text" value="750"/>	
Document detail: contextual box window:	
Height:...(px)	
<input type="text" value="380"/>	
CSS ID (#) wrap: id of content div from document page to display in box window.	
<input type="text" value="main-content"/>	

*The meaning of the options are easy to understand.*

CSS ID: Is the ID name of the div that will be used to get the content that will be displayed in a extJS popup window. It is used to not loose the context of the list grid of search result. To provide div ID is **required** to not display all the page of the target document page. But to select only the desired content.

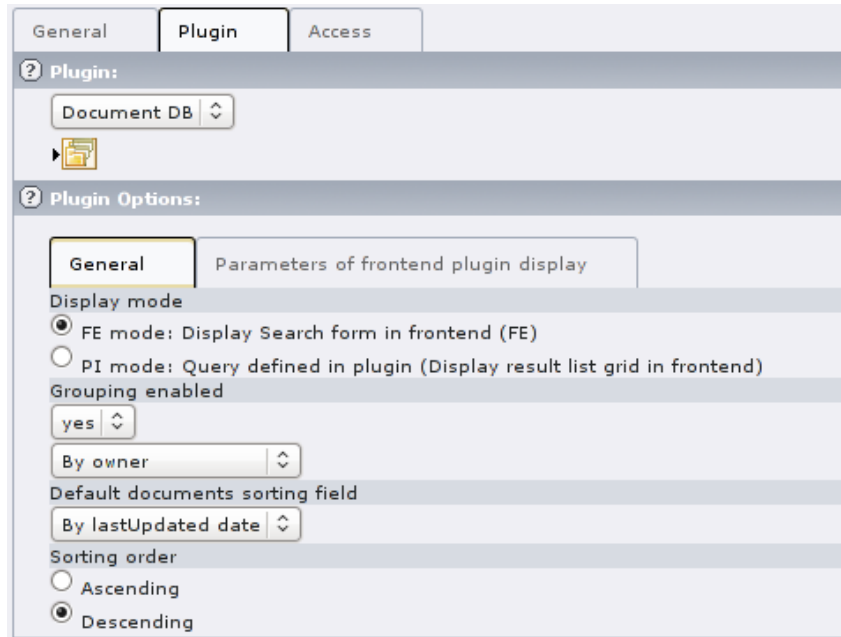
Add in the html template for all pages of type "document".

Otherwise the whole page is displayed in the popup:

```
<div id="wrap-content-id">
    here the content to be displayed in the popup (modal window)
</div>
```

Then fill in the name of the id wrapped in FLEXFORM extension. the CSS ID field. with "main-content" value in the current screenshot.

## Setting up plugin as search form



General Plugin Access

? Plugin:

Document DB

? Plugin Options:

General Parameters of frontend plugin display

Display mode

☒ FE mode: Display Search form in frontend (FE)

☐ PI mode: Query defined in plugin (Display result list grid in frontend)

Grouping enabled

yes

By owner

Default documents sorting field

By lastUpdated date

Sorting order

☐ Ascending

☒ Descending

There is only one parameter and two sub-parameters to configure the search form:

- Grouping enabled: Displays a select to choose which field are used by default to show the result view grouped by that field.
- Default documents sorting: Set the default sorting order in list view.

## Setting up plugin as pre-defined searches

Predefined searches displays only the list result grid in frontend.

Here, to select a list of descriptors, the wizard allows to search only those they are related to existing document.

General

Parameters of frontend plugin display

Display mode

☐ FE mode: Display Search form in frontend (FE)
 ☒ PI mode: Query defined in plugin (Display result list grid in frontend)
 ☐ Owner (if none selected, all are listed)

Selected:

Items:

Assembly

Central Committee

Commission on International Affairs

Document Type (if none selected, all are listed)

Selected:

Items:

Advocacy report

Background document

Incoming letter

Document Status (if none selected, all are listed)

Selected:

Items:

Adopted

Final

For action

Grouping enabled

yes

By owner

Default documents sorting field

By owner

Sorting order

☒ Ascending
 ☐ Descending
 ☐ Document Descriptors (Use the wizard to select only those related to documents)

Selected:

Items:

Canberra, Australia, 1991, F

Document Descriptor

AAAAA

AAAAAATTEST

Events

Geographical descriptor

Individuals

Other Organisations, Churches

Subject

WCC Member Churches

WCC Organisation

Descriptors combinaison

☐ AND
 ☒ OR

# Configuration TS

## TypoScript Constants

Only few properties are available and can be defined

Property:	Data type:	Description:	Default:
path	string	ExtJS include path: include ExtJS library and resources	EXT:doc_db/resources/ExtJS/3.0.3/
resourcesPath	string	Include ExtJS resources path, Can be used to specify an alternative resources path for css theme and images. Trailing slash required. The resources directory must contains the following structure ./css/ ./images/default/ ./images/themeName/  Show example in EXT:doc_db/resources/ExtJS/3.0.3/resources/	EXT:doc_db/resources/ExtJS/3.0.3/resources/
doNotLoadExtAllJS	boolean	Define to true if ext-base & ext-all.js are already available on your installation, ext-all-min.js from doc_db load only the necessary widgets lib. But it does not lack many parts.	0
doNotLoadExtAllCSS	boolean	Define to true if ext-all.css are already available on your installation	0
production	Options / boolean	Concat and minified CSS and JS files are used	1
asyncLoading	Options / boolean	Asynchronous loading of CSS and JS files add defer-async to true	actually disabled - not available
gridColsWidth	string - csv	Coma separated values in the next order: Title,Date,Owner,Key,Type,Status . (The first column(title) is defined to autoExpand [min:150,max:650])	250,60,130,35,130,60
dateF.row	Options / string	Date string format to display in the Grid result rows	30.12.10 (day.month.year short)
dateFCustom.row	string	Date string format to display in the Grid result rows.(see <a href="http://php.net/date">http://php.net/date</a> for possible strings formatting the date). NOTICE: if specified the above predefined parameter(dateF.row) will be ignored.	
dateF.detail	Options / string	Date string format to display in the detail view in expanded row	30 december 2010 (day month year long)
dateFCustom.detail	string	Date string format to display in the detail view in expanded row.(see <a href="http://php.net/date">http://php.net/date</a> for possible strings formatting the date). NOTICE: if specified the above predefined parameter (dateF.detail) will be ignored.	

[tsref:plugin.tx\_docdb\_pi1.extJS]

## To Do List

- Rewrite a cross browser compatible js asyncLoading process
- Localize Data
- create a second plugin to provided access to data in typoscript to build alternatives views.
- Currently, the tree used by selector of descriptors use xajax to load data . It works, but in the near future, instead of that it would be nice to rewrite this class to use the ajax framework provided by typo3 4.2
- Add the possibility to define additionnals fields/properties

## Known problems

None so far. If any, let you know.

## Changelog

Version	Changes:
0.3.1	<ul style="list-style-type: none"> <li>- Rename with locallang_ prefix "extjs.docdb.gridStandalone.xml" and "extjs.docdb.xml". now, they are translatable with the ll-xml be module.</li> <li>- Rewrite class.ext_update.php to avoid errors related to max_execution_time.</li> <li>- At the loading the page, the "grid page size" paramater was not correct.</li> <li>- Remove "By lastUpdated date" value of "Default documents sorting field" in flexform which appeared twice.</li> <li>- Rewrited grid result and remove detail view pane.</li> <li>- Moved doc details in row expanded view.</li> <li>- Added scoll into view for the current expanded row.</li> <li>- Added prev/next button in modal preview window to navigate in the current results of displayed list.</li> <li>- And others minors changes.</li> <li>- Debug ie search filter field, display content in modal window preview.</li> <li>- Add. some constants TS config. and flexform Parameters.</li> <li>- Improve selection of the descriptors search filter.</li> </ul>
0.3.0	Allmost complete rewrite and first realease that use extJs in frontend.
0.2.3	Old version. It was the base version to the version 0.3.0