

MAM CMS Connector

Extension Key: dam_mam

Language: en

Version: 1.0.6

Keywords: dam, mam sync

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

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That's it. The MAM CMS Connector is now working. Depending on your MAM Database the initial import may take some time. We averaged about 20 files/sec on a simple virtual testing machine. This time may vary depending on your setup.....5

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Intro

What does it do?

This Extension uses DAM to integrate MAM into TYPO3.

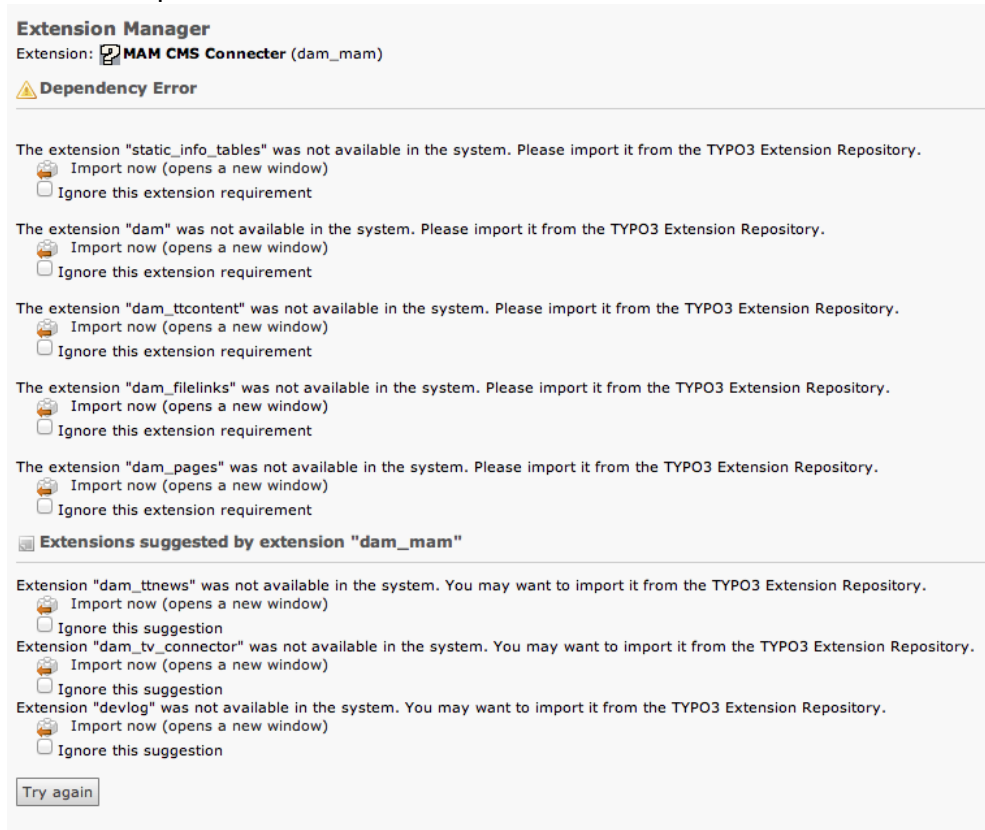
Requirements

This Extension was developed and tested with the Long Term Support Version 4.5 of TYPO3 and the current DAM Version 1.2.3.

Installation

1. Install the supplied dam_mam.t3x through the TYPO3 Extension Manager.

There are some dependencies which must be installed for this Connector.



Additionally there are some Suggested Extensions depending on your TYPO3 Setup.

- dam_tt_news: Connects the tt_news extension to dam
- dam_tv_connector: Connects templatevoila to dam
- devlog: Backend Administrator Module for the Synchronisation logging

2. Setup Scheduler-Task for Synchronisation

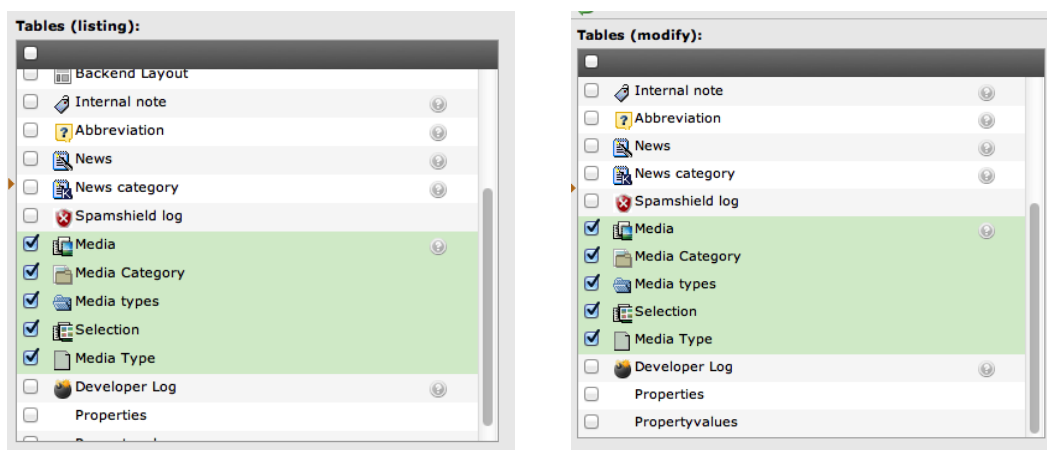
1. Go to the Scheduler module and Add a new task.

2. On the configuration page of the Task there are some Settings that need to be set.

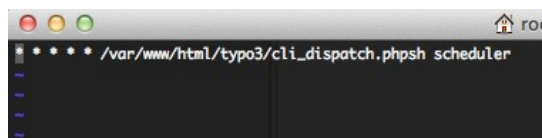
1. Hotfolder is the folder which contains the config.json and the exported_*.json files. It has to be an absolute path to that directory

2. Media Folder is the folder which contains all the Media files that will be imported. It has

- to be an absolute path to that directory
3. The PID of the Media folder needs to be set according to your TYPO3 setup to ensure the imported Files end up in the right place.
4. The debuglevel sets the minimum logging level for the devlog logging. By default only Warning and above will be logged.
5. Maximum importfiles per run limits the exported_*.json files to be processed at each scheduler run.
6. Frequency determines in which interval the task will be run.
7. Allow Parallel Execution should not be activated!
3. Save the task.
4. You need to give the _cli_scheduler user the right to modify the dam tables by adding him to a new usergroup "cli" with these rights:



5. If you haven't set up the cronjob for the Scheduler itself you need to create a cronjob like this:



That's it. The MAM CMS Connector is now working. Depending on your MAM Database the initial import may take some time. We averaged about 20 files/sec on a simple virtual testing machine. This time may vary depending on your setup.

MAM Configuration

The Configuration file is called “config.json” and should be located in the configured Hotfolder.

The Syntax of this file is JSON.

Configuration Options

Property:	Description:
property_mapping	<p>This array configures the mapping from MAM to DAM.</p> <p>Syntax:</p> <pre>“[DAM Field]”: “[MAM Field]”</pre> <p>The following example maps the MAM field “freitextFeld” to the DAM field “description and the MAM field “schlagwortliste” to the DAM field “keywords”.</p> <pre>“property_mapping”: { “description”: “freitextFeld” , “keywords”: “schlagwortliste” }</pre> <p>For an overview of available DAM fields take a look at the Reference Section</p>
category_properties	<p>This array configures fields from MAM to be used as categories.</p> <p>Syntax:</p> <pre>“[DAM Field]”: “[Category Label]”</pre> <p>Example:</p> <pre>“category_properties”: { “haecker_kategorie”: “Haecker”, “meica_kategorie”: “Meica” }</pre>
language_mapping	<p>You can this option to set proper sys_language_uid based on one or more fields from mam. This mapping works by setting 'conditions' for a sys_language_uid:</p> <p>Syntax:</p> <pre>“[sys_language_uid]”: { “[DAM Field]”: “[value]”, “[DAM Field]”: “[value]”, ... }</pre> <p>Example:</p> <pre>“language_mapping”: { “1”: { “wz_sprache”: “englisch”, “wz_verkaufsgebiet”: “europa”, }, “2”: { “wz_sprache”: “deutsch”, “wz_verkaufsgebiet”: “deutschland”, }, “3”: { “wz_sprache”: “deutsch”, “wz_verkaufsgebiet”: “österreich”, } }</pre> <p>The first example could be translated to:</p> <p>If the field wz_sprache is 'english' and the field wz_verkaufsgebiet is 'europa' set the sys_language_uid to '1'</p>

Example

```
{
```

```

"property_mapping": {
  "description": "freitextFeld" ,
  "keywords": "schlagwortliste",
  "copyright": "usageRight",
  "instructions": "usageRightText"
},
"category_properties": {
  "haecker_kategorie": "Haecker",
  "meica_kategorie": "Meica",
  "meica_produktmarke": "Produktmarke",
  "Ruegenwalder_Produktgruppe": "Ruegenwalder",
  "auswahl": "Auswahl",
  "usageRight": "Nutzungsrecht",
  "schlagwortliste": "Schlagwörter"
},
"language_mapping": {
  "1": {
    "wz_sprache": "englisch",
    "wz_verkaufsgebiet": "europa",
  },
  "2": {
    "wz_sprache": "deutsch",
    "wz_verkaufsgebiet": "deutschland",
  },
  "2": {
    "wz_sprache": "deutsch",
    "wz_verkaufsgebiet": "österreich",
  }
}
}

```

Reference

Available fields for DAM Media Records

Property:	Data type:	Description:
tstamp	Timestamp	Date of the Records last modification Default MAM source field: data_modification_date
crdate	Timestamp	Date of the Records creation Default MAM source field: data_file_creation_date
starttime	Timestamp	Sets a Date from which it will be visible. Before this date the Record will be disabled
Endtime	Timestamp	Sets a Date from which on the Record will be disabled
media_type	ForeignKey	UID of the media_type defined in tx_dam_media_types Default MAM source field: data_type (looked up from tx_dam_media_types by the mimetype)
Title	String	Title for the Record Default MAM source field: data_name
Category	Foreignkeys	List of foreignkeys of categories defined in tx_dam_cat This field will be set by the "category_properties" configuration
index_type	String	How was this record index Default: man (for manually)
file_mime_type	String	First part of the Mimetype (image, application,...) Default MAM source field: derivate_mimetype (parsed for the first part)
file_mime_subtype	String	Second part of the Mimetype (jpeg, Tiff,...) Default MAM source field: derivate_mimetype (parsed for the second part)
file_type	String	File Extension (jpg, png, tiff,...) Default MAM source field: data_name (parsed for the extension)
file_type_version	String	Version of the Mimetype
file_name	String	Filename without path Default MAM source field: derivate_name
file_path	String	Path to the file without the filename Default MAM source field: data_shellpath (prefixed with the mediafolder)
file_size	Integer(11)	Size of the file in bytes. Default: calculated based on the actual file
file_hash	String	MD5 Has of the files contents

Property:	Data type:	Description:
file_creator	String	Name of the Application with which this file was created
file_dl_name	String	Name that should be used for download
meta	String	Additional Metadata Default: Unmapped MAM Fields are concatenated and put into this field
creator	String	Name of the Person who created this file
Ident	String	SKU or similar value to identify this record
Keywords	String	Commaserparated keywords
Description	String	Description for this files
Alt_text	String	alt_text for image tags
Caption	String	A caption for displaying this file
Abstract	String	Abstract of this file
search_content	String	This field will be searched but not displayed to the user. Usefull for fulltext search
Language	String	Language iso code of this file
Pages	Int(4)	Number of pages in this file
Publischer	String	Name of the Publisher
Copyright	String	Informations about the Copyright
Instructions	String	Instructions how to use this file
date_cr	Timestamp	date_cr don't have to be the file creation time. It is the time a photo is shooten not the time the slide is scanned and saved
date_mod	Timestamp	last modification. Not neccessarily the file modification time
loc_desc	String	Description about an image's scene
loc_country	String	Country in which the file was created
loc_city	String	City in which the file was created
Hres	Int(11)	Horizontal Resolution
Vres	Int(11)	Vertical Resolution
Hpixels	Int(11)	Horizontal Pixels
Vpixels	Int(11)	Vertical Pixels
color_space	String	color_space of the file
Height	Float	Height of the file
Width	Float	Widht of the file
Height_Unit	String	Unit of Height and Width
tx_dammam_mamuuid	String	UUID of the MAM Record Default MAM source field: data_id
tx_dammam_mime_type	String	Mimetype of the original file Default MAM source field: data_mimetype
tx_dammam_file_type	String	Fileextension of the original file Default MAM source field: data_name (parsed for the extension)

Property:	Data type:	Description:
tx_dammam_file_name	String	Filename of the original file Default MAM source field: data_name
tx_dammam_color_space	String	Colorspace of the original file Default MAM source field: file_property.image.colorspace
tx_dammam_hpixels	Integer	Horizontal Pixels of the original file Default MAM source field: data_width
tx_dammam_vpixel	Integer	Vertical Pixels of the original file Default MAM source field: data_height
tx_dammam_related_files	String	This field should be set to data_name to create a relation between multiple files based on the same beginning of the filename and an 2 Character Language code ending: Example: Toaster_EN.pdf Toaster_DE.pdf Mixer_EN.pdf In this case the files starting with Toaster would be grouped together.

Styling the related files in the file list:

The relations created through the 'tx_dammam_related_files' field will be used primarily by the css hook for the cssfilelinks extension.

Added TypeScript:

```
tt_content.uploads.20{
  dam_mam{
    files = <ul>|</ul>
    file = <li><a href="###URL###">###LANGUAGE_ICONS#####FILE_NAME###</a></li>
  }
  $.tempEditIcons.'
}

tt_content.uploads.20.layout.file = <div class="###CLASS###"><span><a
href="###URL###">###TITLE###</a> ###FILESIZE### ###CRID###
###MYMARK###</span><span>###DESCRIPTION###</span> ###RELATED_FILES###</div>
```

Inside the 'files' and 'file' TypeScript paths you've got the following markers available:

Media Asset fields:

```
###UID###, ###PID###, ###TSTAMP###, ###CRDATE###, ###CRUSER_ID###, ###PARENT_ID###,
###DELETED###, ###ACTIVE###, ###SORTING###, ###HIDDEN###, ###STARTTIME###, ###ENDTIME###,
###FE_GROUP###, ###SYS_LANGUAGE_UID###, ###L18N_PARENT###, ###L18N_DIFFSOURCE###,
###T3VER_OID###, ###T3VER_ID###, ###T3VER_WSID###, ###T3VER_LABEL###, ###T3VER_STATE###,
###T3VER_STAGE###, ###T3VER_COUNT###, ###T3VER_TSTAMP###, ###MEDIA_TYPE###, ###TITLE###,
###CATEGORY###, ###INDEX_TYPE###, ###FILE_MIME_TYPE###, ###FILE_MIME_SUBTYPE###,
###FILE_TYPE###, ###FILE_TYPE_VERSION###, ###FILE_NAME###, ###FILE_PATH###, ###FILE_SIZE###,
###FILE_MTIME###, ###FILE_INODE###, ###FILE_CTIME###, ###FILE_HASH###, ###FILE_STATUS###,
###FILE_ORIG_LOCATION###, ###FILE_ORIG_LOC_DESC###, ###FILE_CREATOR###, ###FILE_DL_NAME###,
###FILE_USAGE###, ###META###, ###IDENT###, ###CREATOR###, ###KEYWORDS###, ###DESCRIPTION###,
###ALT_TEXT###, ###CAPTION###, ###ABSTRACT###, ###SEARCH_CONTENT###, ###LANGUAGE###,
###PAGES###, ###PUBLISHER###, ###COPYRIGHT###, ###INSTRUCTIONS###, ###DATE_CR###,
###DATE_MOD###, ###LOC_DESC###, ###LOC_COUNTRY###, ###LOC_CITY###, ###HRES###, ###VRES###,
###HPIXELS###, ###VPIXELS###, ###COLOR_SPACE###, ###WIDTH###, ###HEIGHT###,
###HEIGHT_UNIT###, ###TX_DAMMAM_MAMUID###, ###TX_DAMMAM_MIME_TYPE###,
###TX_DAMMAM_FILE_TYPE###, ###TX_DAMMAM_FILE_NAME###, ###TX_DAMMAM_COLOR_SPACE###,
###TX_DAMMAM_HPIXELS###, ###TX_DAMMAM_VPIXELS###, ###TX_DAMMAM_RELATED_FILES###,
###TX_DAMMAM_LANGUAGE###
```

Language Fields:

```
###LANGUAGE_ICON###, ###LANGUAGE_ICONS###, ###LANGUAGE_uid_UID###, ###LANGUAGE_pid_PID###,
###LANGUAGE_tstamp_TSTAMP###, ###LANGUAGE_hidden_HIDDEN###, ###LANGUAGE_title_TITLE###,
###LANGUAGE_flag_FLAG###, ###LANGUAGE_static_lang_isocode_STATIC_LANG_ISOCODE###,
###LANGUAGE_UID###, ###LANGUAGE_PID###, ###LANGUAGE_TSTAMP###, ###LANGUAGE_HIDDEN###,
###LANGUAGE_TITLE###, ###LANGUAGE_FLAG###, ###LANGUAGE_STATIC_LANG_ISOCODE###
```

All the above markers above are autogenerated from the available database fields of the tx_dam and sys_language_uid tables by uppercasing and enclosing the fieldnames with '###'.

Custom generated Fields:

```
###URL###
```

Administration

You have 2 Modules to watch the Connector.

1. On the Scheduler Overview you can see the last execution, next scheduled execution and a status of the task:

Scheduled tasks

ID	Task	Type	Frequency	Parallel Execution	Last Execution	Next Execution
2	MAM CMS Connector (dam_mam)	Recurring	1	No	08-11-11 12:32 (Cron)	08-11-11 12:32

Execute selected tasks

Add task

Status Legend

- Failure! An error occurred during the last execution (move over bullet for more details)
- Late, will run with next execution
- Currently running
- Scheduled, will run on next possible execution
- Disabled, will not be executed, except manually

2. If you installed the DevLog Extension you can take a look at the logs of the Imports:

Developer Log

Select Log: latest log run ☐ Auto refresh ☐ Expand all extra data

Refresh

Log entries:

Log period: 08-11-11 12:38 (0 min)

Date	Severity	Extension	Message	Called from	Page	User	Extra data
08-11-11 12:38:44	Failure	dam_mam	File does not exist: Inline_2553_2554_2556.tif	class.tx_dammam_sync.php, line 70		_cli_scheduler	
08-11-11 12:38:44	Failure	dam_mam	File does not exist: Inline_2554.tif	class.tx_dammam_sync.php, line 70		_cli_scheduler	
08-11-11 12:38:44	Failure	dam_mam	File does not exist: Inline_2553.tif	class.tx_dammam_sync.php, line 70		_cli_scheduler	
08-11-11 12:38:44	Failure	dam_mam	File does not exist: Inline_2552.tif	class.tx_dammam_sync.php, line 70		_cli_scheduler	
08-11-11 12:38:44	Failure	dam_mam	File does not exist: Inline_2555_2556.tif	class.tx_dammam_sync.php, line 70		_cli_scheduler	
08-11-11 12:38:44	Failure	dam_mam	File does not exist: Inline_2551.tif	class.tx_dammam_sync.php, line 70		_cli_scheduler	
08-11-11 12:38:44	Failure	dam_mam	File does not exist: Inline_2551_2552.tif	class.tx_dammam_sync.php, line 70		_cli_scheduler	
08-11-11 12:38:44	Failure	dam_mam	File does not exist: Inline_2550.tif	class.tx_dammam_sync.php, line 70		_cli_scheduler	
08-11-11 12:38:44	Failure	dam_mam	File does not exist: Inline_2546.tif	class.tx_dammam_sync.php, line 70		_cli_scheduler	
08-11-11 12:38:44	Failure	dam_mam	File does not exist: Inline_2545.tif	class.tx_dammam_sync.php, line 70		_cli_scheduler	

<< oldest < previous

Click on the plus under "Extra data" to get additional informations.

ChangeLog

Version:	Changes:
1.0.0	First Release