EXT: Video Basic (Imagine virtual services)

Extension Key: dam_ivs_videobasic

Language: en, de

Keywords: keywords comma-separated

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The content of this document is related to TYPO3

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

Table of Contents

Introduction

What does it do?

This extension handles the videos with encoding server und shows those in a flash player NonverBlaster. Required extension is Media (DAM).

Requirements

- Server with access via SSH
- PHP >= 5.2.0
- ffmpeg >= 0.5
- qt-faststart (Tool are included at ffmpeg)
- gcc are using for the build the tool qt-faststart

Screenshots
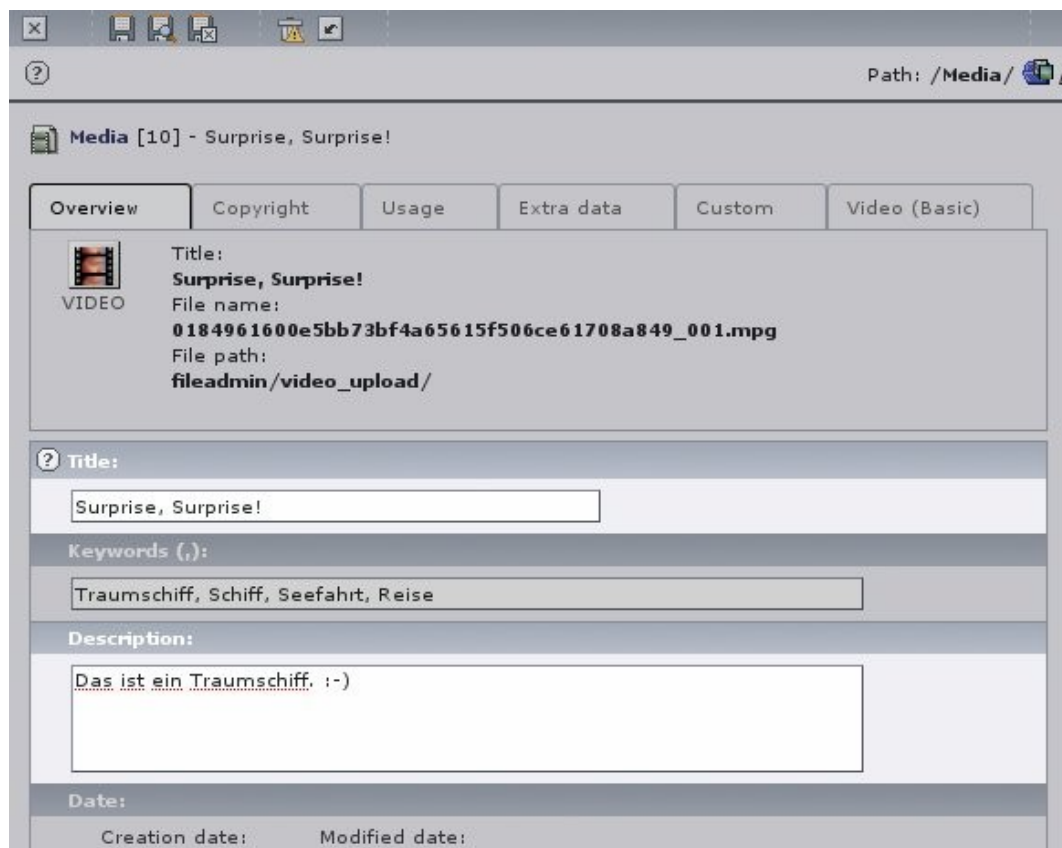
See next chapter "Users manual"

Users manual

Add a new video to dam

1. Module File → go to video directory (if doesn't exist, create a folder called "video")

2. Select in the drop down field "Upload"

3. Select a video to upload on your webserver

4. Module "File" → select your video to edit.

5. Fill the video information in title and description. This information will use in front end content:

6. Go to the tab "Video (Basic)"

Description:

Encode → Set this video to encoding into MP4-Format. If you save the informations of video, it will be send the informations to video encoding server (See chapter "Configuration of the dam_ivs_videobasic extension")

Location → In this basic variant is only local available. If you wish to upgrade to professional variant, you can select a content delivery network called "amazon web services" too.

Screenshot → After encoding process you can select a screenshot under the folder called encoded_basic_(videoname)

Directory (Stream) → Show the path to the video (not editable)

Filename (Stream) → Show the filename of the video (not editable)

Width → Show the width of the video (not editable).

Height → Show the height of the video (not editable).

Status → This is the encoding status of the video. Possible status information: submitted, wait (encoding), encoding error, ready

7. Save the additional information

Add a new video to content

1. Module Page → create a new element as "Regular text element"

2. Switch the type to "Video Basic (Flash)"

3. Switch to the tab "Video (Basic)"

Video → Select the uploaded video and added to media field

Position → Set the position of the flash player. Possible are center, right, left

FAQ

No FAQ for User available

Administration

Please install the Media (DAM) extension (dam) with the Extension Manager:

1. Go to Extension Manager (Ext Manager)
2. Select in the dropdown field "import extensions"
3. Put into the textfield: "dam" (without quotes)
4. Install the dam extension called as "Media (DAM)" in the category "Backend Modules"

Some extension for dam are recommend:

- MediaCategories (dam_catedit)
- DAM for Content Elements (dam_ttcontent)

Installation of the dam_ivs_videobasic extension:

1. Install the dam_ivs_videobasic extension with the Extension Manager
2. Include static (Video Basic (dam_ivs_videobasic)) from this extension to your template configuration

Build qt-faststart from ffmpeg-tools (Shell)

1. Download the source code from ffmpeg http://ffmpeg.org/download.html
2. Unpack the archive: tar xvf ffmpeg-0.5.tar.bz2
3. Change to directory: cd ffmpeg-0.5/tools
4. Compile the tool: gcc qt-faststart.c -o qt-faststart
5. Install the tool with root: install -m 755 qt-faststart /usr/bin/qt-faststart

FAQ

No FAQ for Administration available.

Configuration

Configuration the encoding script:

- You need a webserver via SSH to create a cronjob. The Server have to access the part of the encoding script from network.

- Unpack the archiv on the webserver ./dam_ivs_videobasic/3rdparty/typo3video.tar.bz2

- Set in the configuration the database access, the path to the applications and the URL of encoding server: /path/to/your/script/typo3video/config/config.php

- Type into the shell: crontab -e

- Insert follow line into the editor: */5 * * * * /usr/bin/php -f /path/to/your/script/typo3videobasic_cronjob.php >> /var/log/typo3video.log

- Create a new database for the encoding script: typo3video

- Import the create.sql into the database "typo3video" (included in the tar.bz2-Archive)

- It's expressly recommended to create a new user for the created database "typo3video".

Add a project to your encoding server (Shell):

- /path/to /your/script/typo3video_command.php add (projectname)

Create a new hash (Shell):

- /path/to /your/script/typo3video_command.php renewhash (projectname)

Remove a project with all their files (Shell):

- /path/to /your/script/typo3video_command.php remove (projectname)

Configuration of the dam_ivs_videobasic extension:

- URL to the encoding server (without typo3video.php): p.e. http://www.sitename.com/

- Project hash (see "Configuration the encoding script"). p.e. 2227C83e7a9856590c3076cf0be5af3f

- Number of screenshots from video (Integer): p.e. 10

- Set the video width for embed flash (It's affected the encoded video too): p.e. 352

FAQ

No FAQ for Configuration available

Reference

TypoScript Configuration for `plugin.tx_damivsvideobasic_pi1`

Property:	Data type:	Description:	Default:
ampersand	string	Sets the ampersands in documents. Possible parameters: `html`, `xhtml`	`xhtml`
flashParams.quality	string	Sets the quality of the video. Possible parameters: `low`, `high`, `autolow`, `autohigh`, `best`	`high`
flashParams.allowscriptaccess	string	Sets the security restriction to Flash. Possible parameters: `always`, `sameDomain`, `never`	`always`
flashParams.wmode	string	Sets the window mode property of the Flash movie in the browser: Possible parameters: `window`, `opaque`, `transparent`	`transparent`
flashParams.swliveconnect	boolean	Sets this parameter for running Flash and Javascript on same time. Possible parameters: `true`, `false`	`true`
flashParams.allowfullscreen	boolean	Sets to allowed to display Flash in fullscreen mode. Possible parameters: `true`, `false`	`true`
flashParams.scale	string	Sets for resize the video. Possible parameters: `showall`, `noborder`, `exactfit`	`default`
flashVars.allowsmoothing	boolean	Sets for allowed smoothing: Possible values: `true`, `false`	`true`
flashVars.autoplay	boolean	Sets to play the video immediately after the DOM-Object are ready. Possible values: `true`, `false`	`false`
flashVars.buffer	integer	Sets the buffer as time in second	`3`
flashVars.showtimecode	boolean	Sets to show Timecode. Possible values: true, false	`true`
flashVars.loop	boolean	Sets to loop the video. Possible values: true, false	`true`
flashVars.controlColor	hexdezimal	Sets the color of control panel in hexdezimal.	`0xf4f1ec`
flashVars.scaleiffullscreen	boolean	Sets to allowed to scaling the video on fullscreen	`true`
flashVars.showscalingbutton	boolean	Sets to allowed to scaling the buttons on fullscreen	`true`

videoTemplate	string	You can set your own htmlcode for flashvideo:
		`<div>`
		`###FLASHVIDEO###`
		`<div class="video_title"><strong>###TITLE###:</strong> ###VIDEO_TITLE###</div>`
		`<div class="video_description"><strong>###DESCRIPTION###:</strong> ###VIDEO_DESCRIPTION###</div>`
		`</div>`
		
		Follow Placeholder are possible:
		###FLASHVIDEO### - Insert the video flash object
		###TITLE### - Insert the label title in your language
		###VIDEO_TITLE### - Insert the title from video via dam
		###DESCRIPTION### - Insert the label description in your language
		###VIDEO_DESCRIPTION### - Insert the description from video via dam
		
		That's all	

Example

You can configure the flash player or the html-output as TypoScript, here an example:

```
plugin.tx_damivsvideobasic_pi1 {
      ampersand = xhtml
      flashParams {
             quality = high
             allowscriptaccess = always
             wmode = transparent
             swliveconnect = true
             allowfullscreen = true
             scale = default
      }
      flashVars {
             allowsmoothing = true
             autoplay = false
             buffer = 3
             showtimecode = true
             loop = true
             controlcolour = 0xf4f1ec
             scaleiffullscreen = true
             showscalingbutton = true
      }
      videoTemplate (
             <div>
             ###FLASHVIDEO###
             <div class="video_title"><strong>###TITLE###:</strong> ###VIDEO_TITLE###</div>
             <div class="video_description"><strong>###DESCRIPTION###:</strong>
###VIDEO_DESCRIPTION###</div>
             </div>
      )
}
```

You can change the CSS in your CSS layout, if you wish:

```
.tx-damivsvideobasic-pi1 .video_left {
      width: 100%;
      text-align: left;
}

.tx-damivsvideobasic-pi1 .video_center {
      width: 100%;
      text-align: center;
}

.tx-damivsvideobasic-pi1 .video_right {
      width: 100%;
      text-align: right;
}
```

Known problems

- no bugs, problems or performance issues.

To-Do list

- not yet available

ChangeLog

22.06.2009 – Sebastian Siebert

- initial development