

## YAG - Yet Another Gallery

Extension Key: yag

Language: en

Keywords: gallery, forEditors, forAdmins, forDevelopers

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

## Table of Contents

YAG - Yet Another Gallery.....	1	<b>Tutorial.....</b>	<b>24</b>
<b>Introduction.....</b>	<b>3</b>	<b>Known problems.....</b>	<b>25</b>
What does it do?.....	3	<b>To-Do list.....</b>	<b>26</b>
Screenshots.....	3	<b>ChangeLog.....</b>	<b>27</b>
<b>Users manual.....</b>	<b>10</b>	Important guidelines.....	28
Setting up your first Gallery.....	10	<b>Issues with Open Office documentation for TYP03</b>	<b>29</b>
Setting up your first Album.....	11	Inserting images.....	29
Uploading Images into Albums.....	12	Paragraph styles.....	29
Editing Image data inside albums.....	14	Linking.....	30
Editing Albums.....	19	Meta data and updates.....	30
FAQ.....	20	HowTo: Update a manual to the new layout.....	30
.....	<b>21</b>	HowTo: (alternative) Import the styles from another document.....	32
<b>Administration.....</b>	<b>22</b>	HowTo: Fix the Table Of Contents when it is empty ...	32
FAQ.....	22	HowTo: Fix the Table Of Contents when a chapter is missing .....	32
<b>Configuration.....</b>	<b>23</b>	Help by <a href="http://documentation.openoffice.org">documentation.openoffice.org</a> .....	32
FAQ.....	23		
Reference.....	23		

## Some Credits

### Who made this?

This extension was developed by Daniel Lienert and Michael Knoll with a lot of help from many different people. We spent a lot of our free time, implementing all the stuff. As we could use quite some OpenSource software like TYPO3, Extbase Extension Framework, FLUID, JQuery and pt\_extlist, we would like to give something back to the community which we do by uploading this extension to TER.

Special thanks goes to the Extbase team – Jochen and Sebastian and now Marc Bastian – you did a great job on this one! We both work at punkt.de in Karlsruhe and could use quite some software that was developed there and now supports YAG. So another big thank you goes to Jürgen Egeling for letting us use punkt.de's extension to make things a lot easier.

We hope that you enjoy our extension and would appreciate your feedback. We need you to find all the bugs in there! Please let us know, if you have any questions or problems: [info@yag-gallery.de](mailto:info@yag-gallery.de)

### How can you help?

There are several ways to contribute: First of all, you can install the extension and give us your feedback. If you like it and use it on your website, it would be great, if you would let us know the link for a reference page on [www.yag-gallery.de](http://www.yag-gallery.de). If you would like to help us with development, we can set up a git account for you and you can easily join the team. If YAG gallery helps you on a commercial website or you want to donate – feel free to contact us on [info@yag-gallery.de](mailto:info@yag-gallery.de)

If you need any features to be implemented – yes we also work for money :-)

# Introduction

## What does it do?

YAG is a gallery extension for Typo3. It offers many great features like gallery, album and image management as well as a full-featured backend-module for administration. See the screenshots below to get an impression on how it looks like.

## Screenshots

### Frontend

You can set up a list of galleries and use the as folders for your albums. The galleries can be sorted and paged as a list:



Within each gallery you can have as many albums as you like. These albums can be displayed as a list in the frontend:



Each album can be displayed as a list of images contained by this album:



An image can be presented in many different ways, using different templates and themes. Here is the standard template – showing the image with some useful information:

First Gallery » Another album » sardinien-314.jpg



« previous

4 of 4

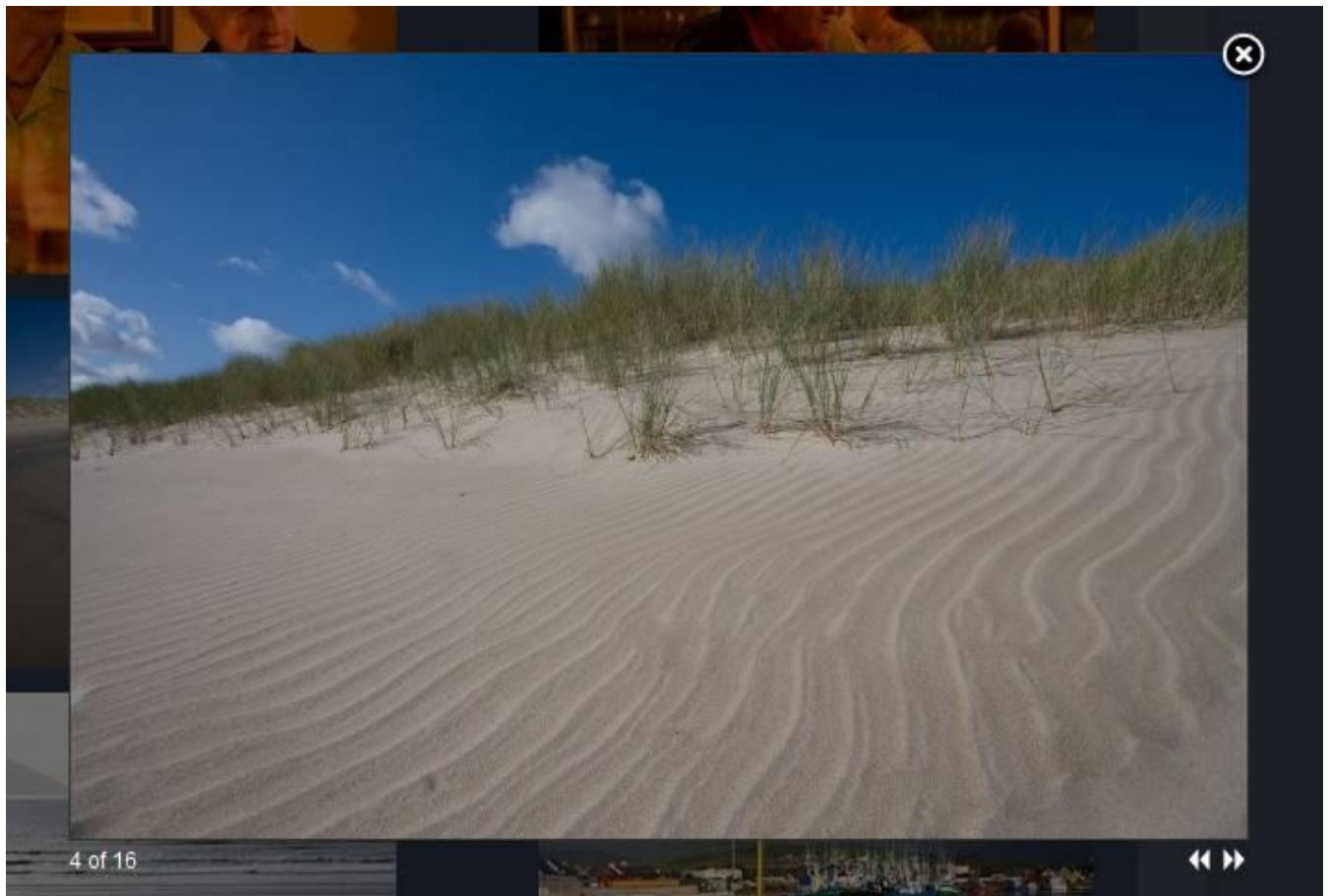
next »

Title: sardinien-314.jpg  
Description:  
Artist:  
Keywords: Sardinien 2010

Camera Model: NIKON CORPORATION - NIKON D700  
Lens: 24.0-70.0 mm f/2.8  
Focal Length:  
Iso: 200  
Shutter Speed: 9965784/1000000  
Aperture:  
Flash: 0

If you like, you can also use a lightbox like here:





You can use many different templates and plugins (like JavaScript Lightboxes or Flash albums) to actually render your albums on your site. It is one goal of YAG to enable you write your own templates easily. Here is another example of a rendered album using SimpleViewer:

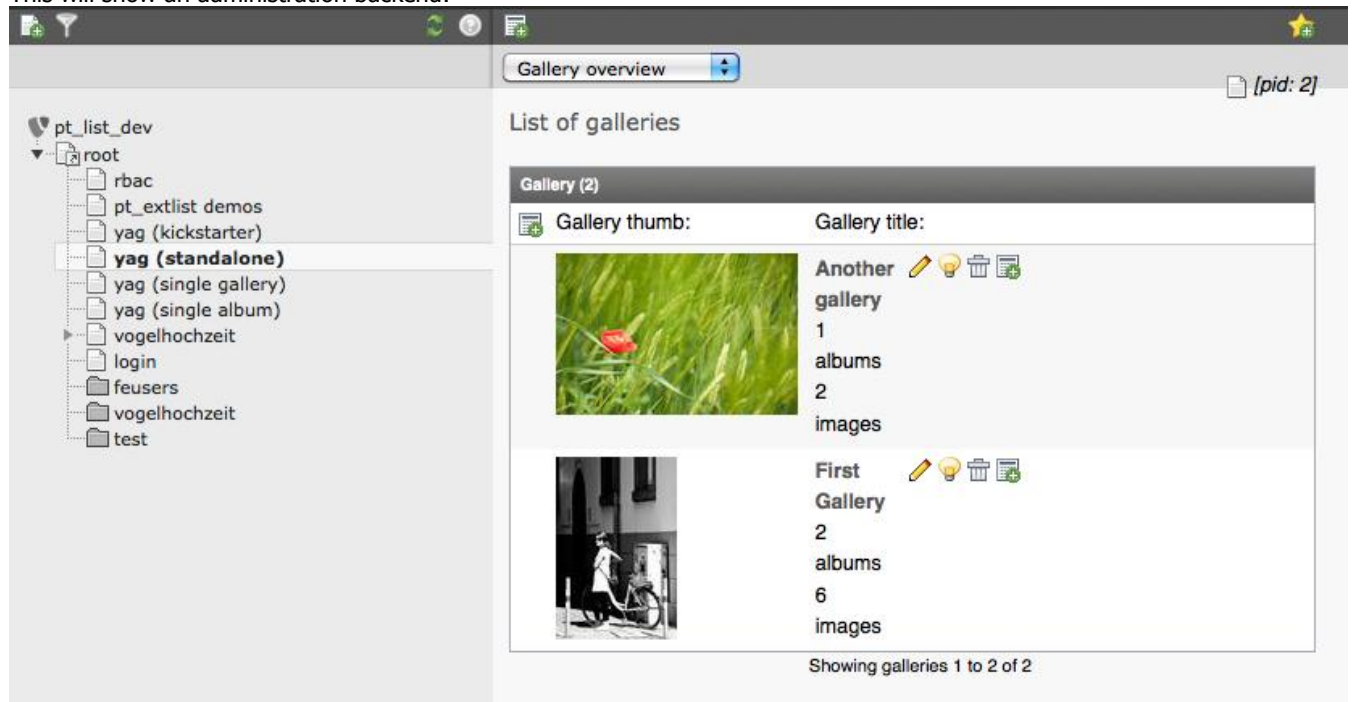


## Backend

YAG ships with a full-featured backend modul that lets you administrate your gallery easily. After installing YAG, you get a new icon in the menu bar:



This will show an administration backend:

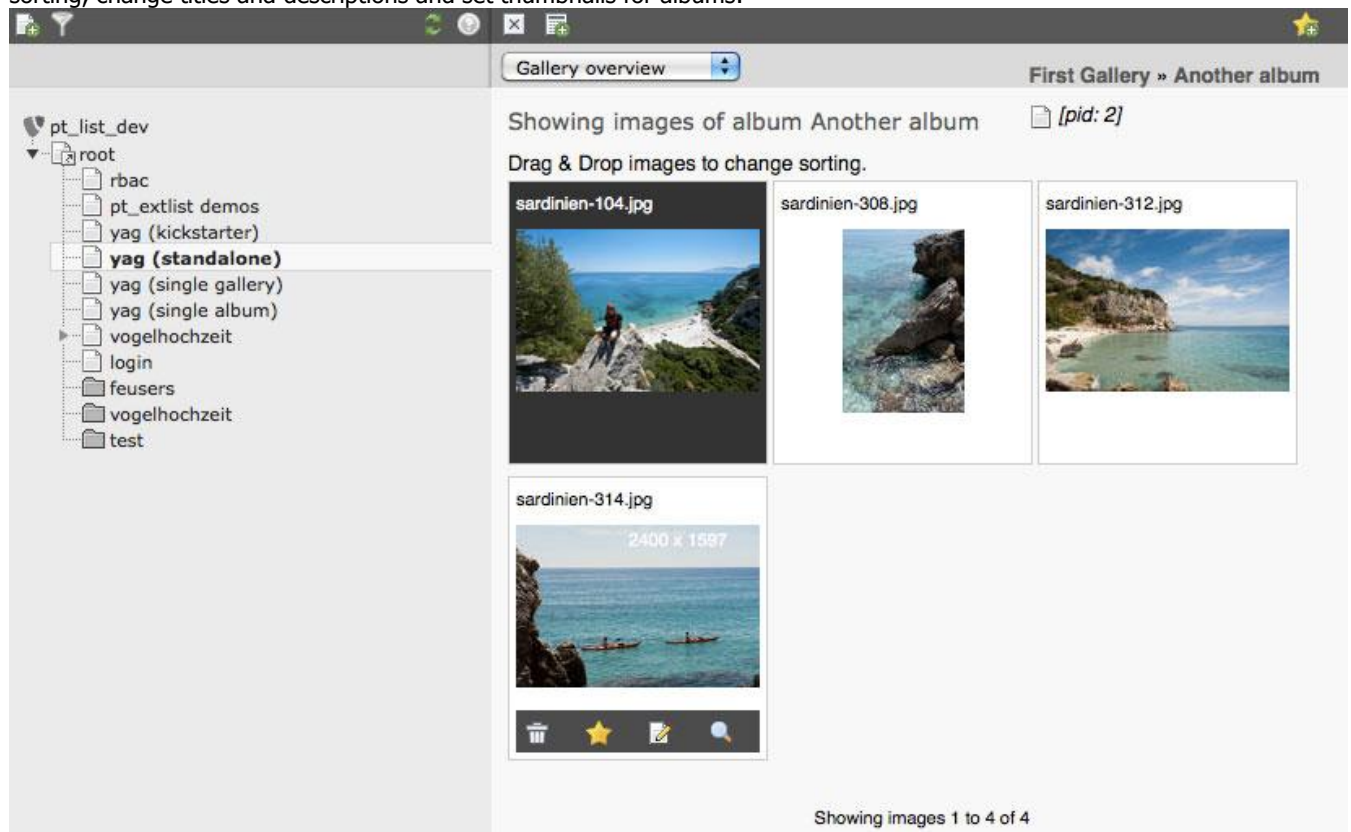


You can get a list of galleries, and for each gallery a list of albums inside this gallery:

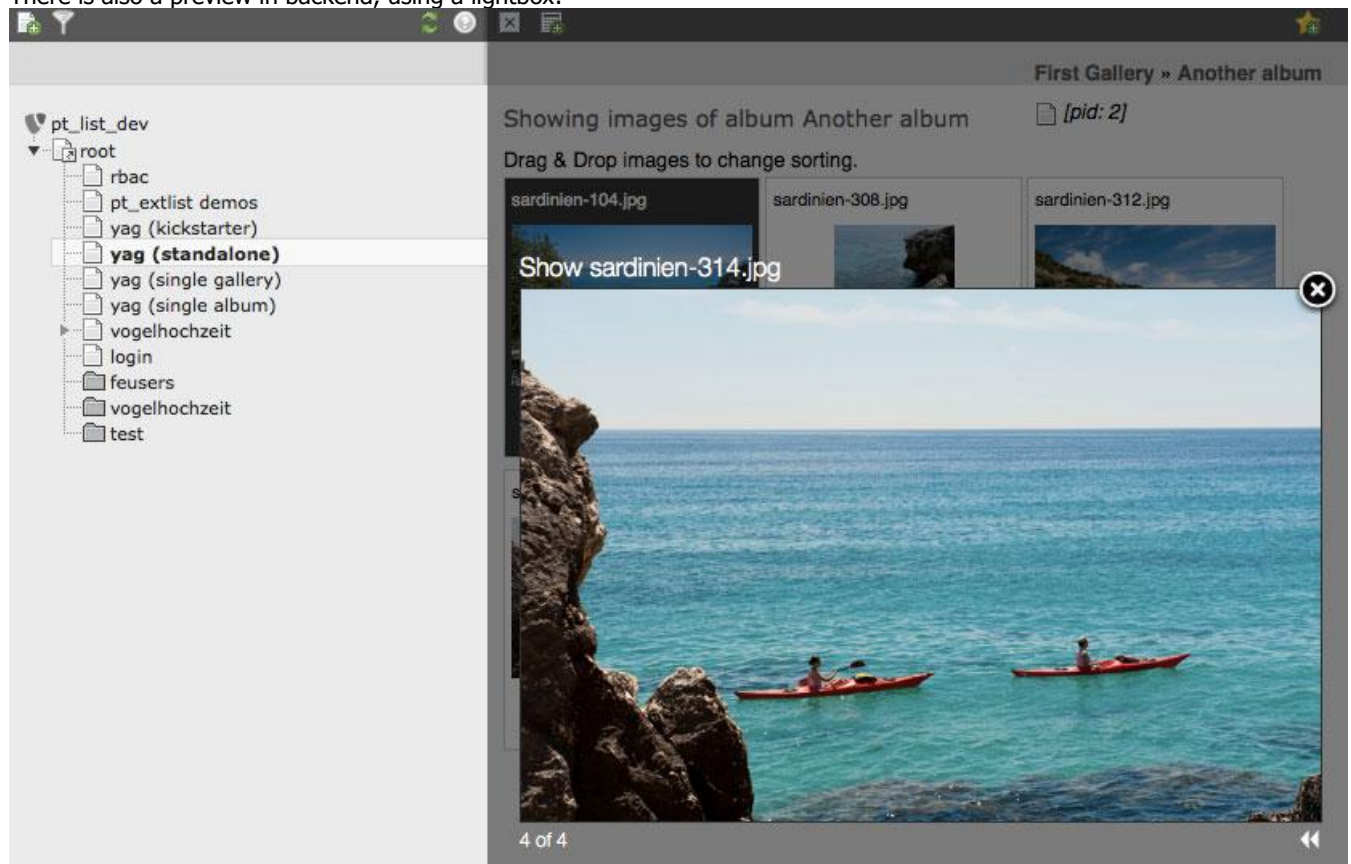


There is a administration view that lets you easily manipulate your images in your albums. You can drag and drop images for

sorting, change titles and descriptions and set thumbnails for albums:

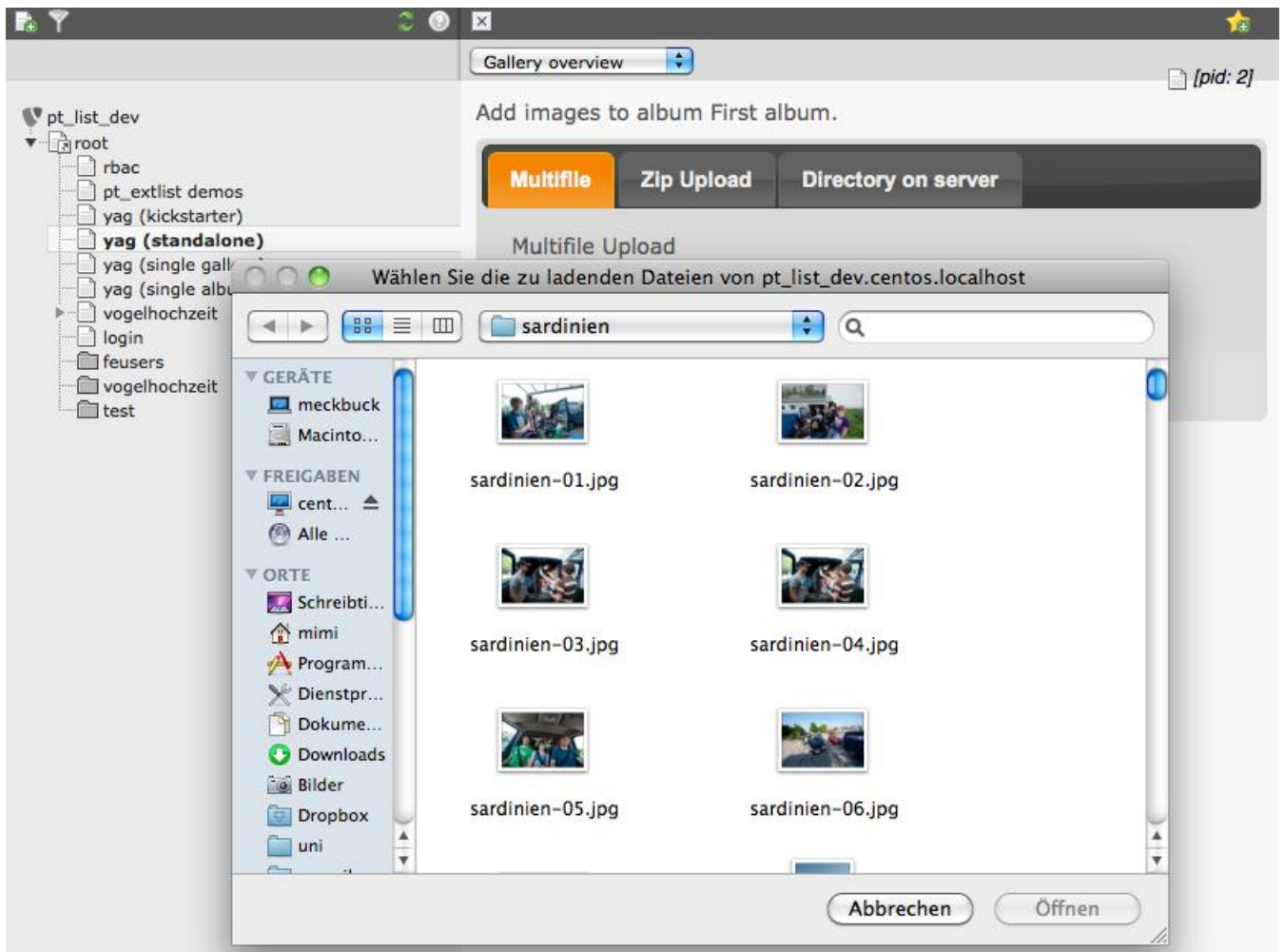


There is also a preview in backend, using a lightbox:



Several upload possibilities including Flash-Multifile-Uploader and ZIP uploader make it easy to add images to your album:





Finally you get some statistics on your gallery and can rebuild the image cache:

Drag to resize the Modules Menu

Gallery Maintenance [pid: 2]

**Gallery Maintenance**

Statistics

Galleries:	2
Albums:	3
Images:	12

Resolution File Cache

Cache Info

Filecount:	21
Cache size:	1.8 M

⚡ Clear resolution file cache

🔄 Build resolution file cache

Working on File: 59

NOT FOUND ? [Image 1] [Image 2] [Image 3] [Image 4]

Cancel

## Inserting plugin via FlexForm

YAG comes with a very comfortable Flexform that lets you select albums, galleries and images easily:

Path: /root/ yag (single album) [3]

Edit Page Content on page "yag (single album)"

General Plugin Access Appearance Behaviour

**Selected Plugin**


YAG - Yet Another Gallery

**Plugin Options**


DEF:

General Options Gallery Album Image Image list

Select an Album:



**First Gallery**  
2 Albums



**Another gallery**  
1 Albums

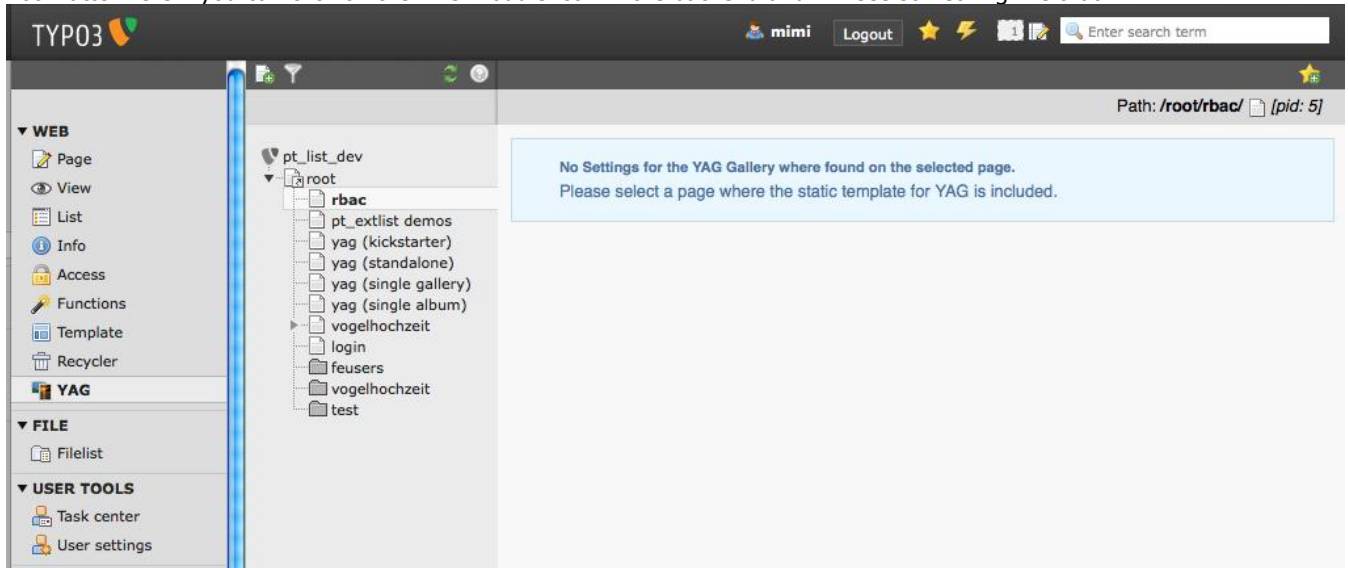
▶

# Users manual

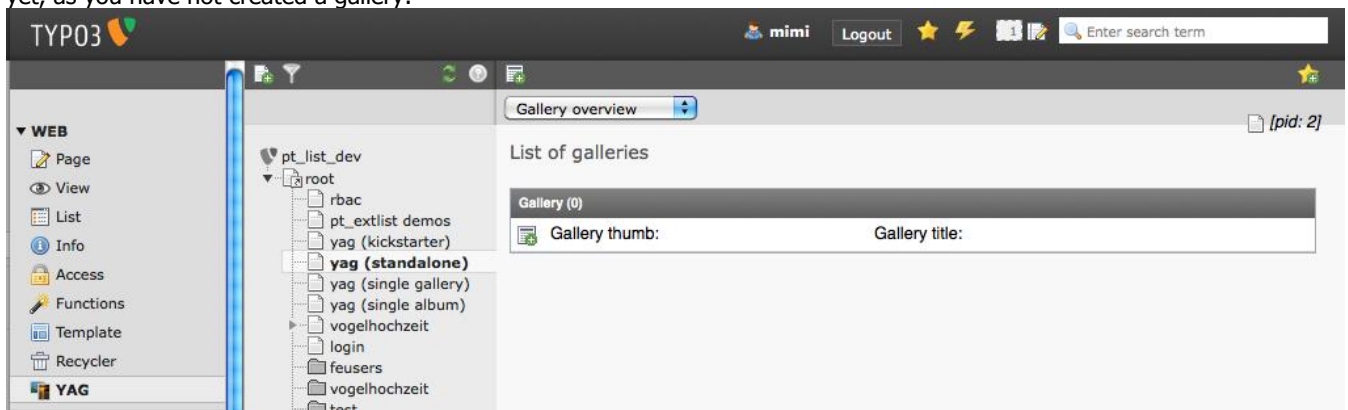
We assume, that you have installed YAG according to the section "Installation". This chapter is about using the backend module. See chapter "Inserting YAG on your website" for setting up pages, templates and content element etc.

## Setting up your first Gallery

After setting up a page on which you want to insert YAG – whether as a page content element or in standalone mode does not matter here – you can click on the YAG module icon in the backend and will see something like that:



The message tells you, that you did not select a page on which YAG is installed (as content element or with standalone template), so go select a page! After that, you will get YAG module displayed in backend. Of course there is nothing to show yet, as you have not created a gallery:



So let's get our first gallery created. Click on the green plus below 'Gallery' and you get a input form like this:



The screenshot shows the 'New gallery' form in the TYP03 YAG interface. The form is titled 'New gallery' and has two main input fields: 'Name (required)' and 'description'. Below the 'description' field are 'Save' and 'Back to gallery' buttons. The left sidebar contains a file tree with 'yag (standalone)' selected. The top bar shows the user 'mimi' and a search bar.

Fill in some text as name and description and press 'Save'. Now you should have a first gallery in your list:

The screenshot shows the 'List of galleries' page in the TYP03 YAG interface. A green message box at the top says 'Your new gallery was created.' Below it, the 'List of galleries' section shows a single gallery titled 'My first gallery' with 0 albums and 0 images. The left sidebar shows the file tree with 'yag (standalone)' selected.

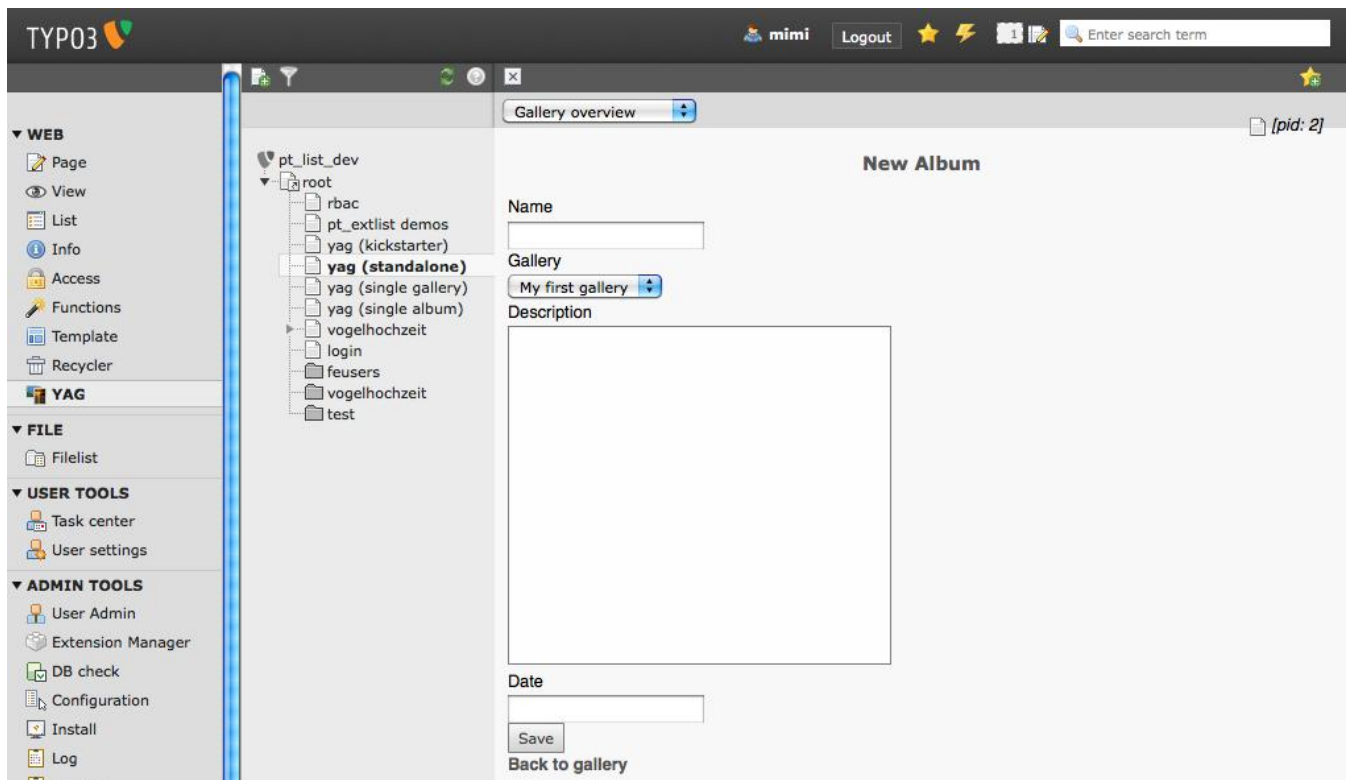
So that's it – you just created your first gallery. Let's go on and create some albums inside this gallery.

## Setting up your first Album

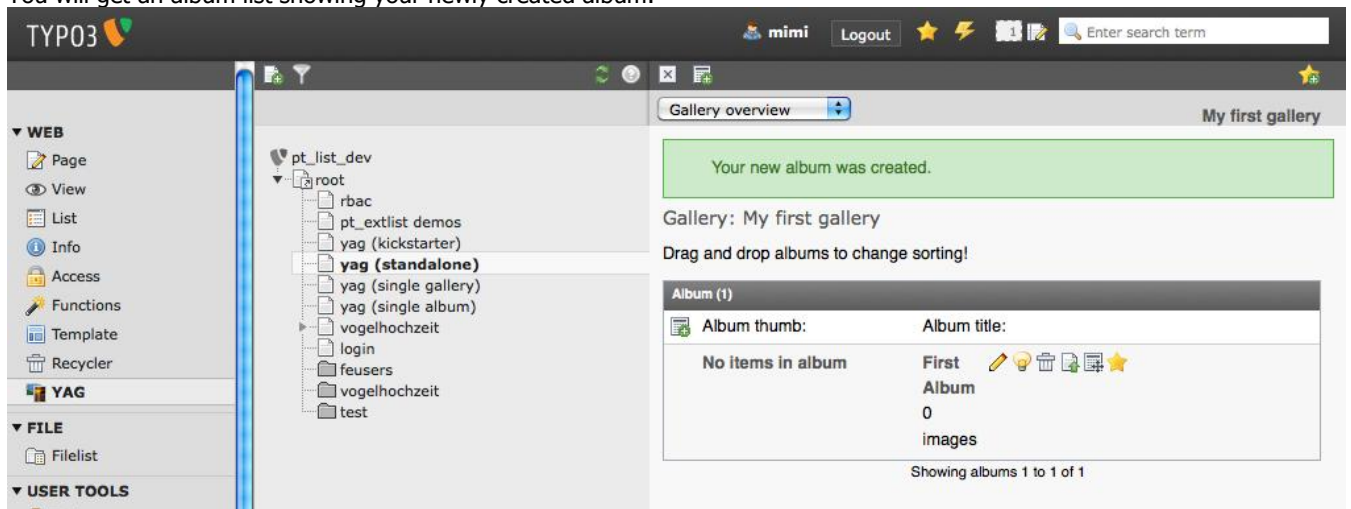
After you successfully created a new gallery, you can now insert some albums. Therefore you can click on the green plus right beneath the garbage symbol in your gallery list:

The screenshot shows the 'List of galleries' page in the TYP03 YAG interface. A green message box at the top says 'Your new gallery was created.' Below it, the 'List of galleries' section shows a single gallery titled 'My first gallery' with 0 albums and 0 images. A red box highlights the green plus icon next to the gallery title.

You will get an empty form for creating a new Album. Fill in some text for Name and Description and click 'Save':



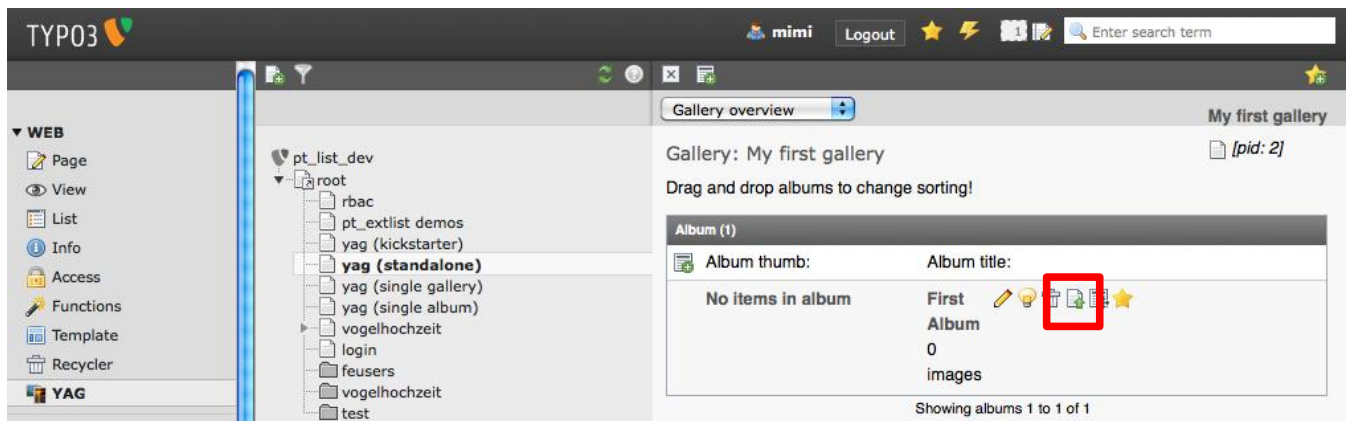
You will get an album list showing your newly created album:



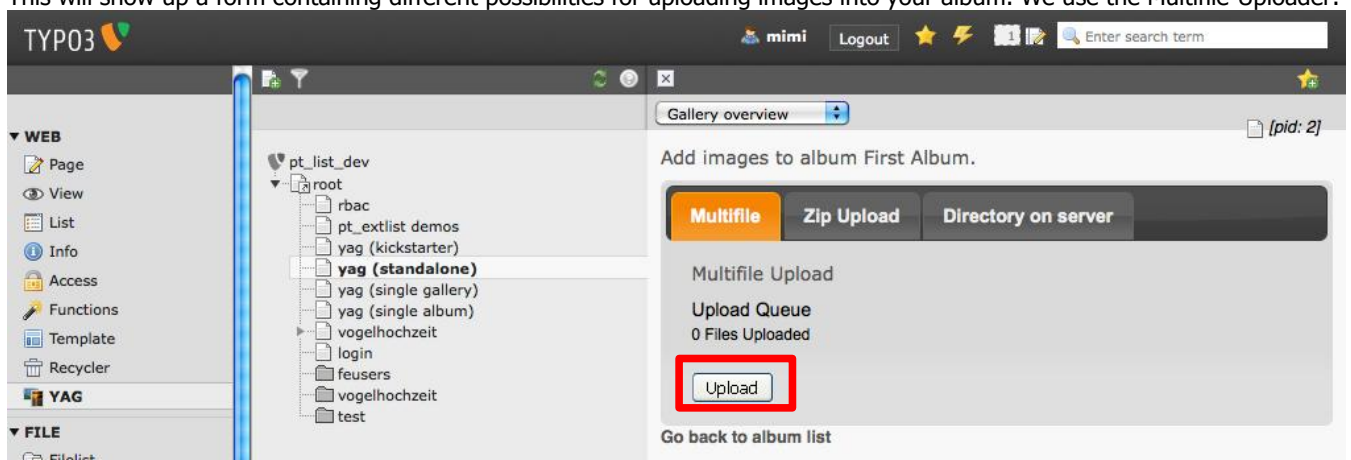
Now we can start uploading some images into our album.

## Uploading Images into Albums

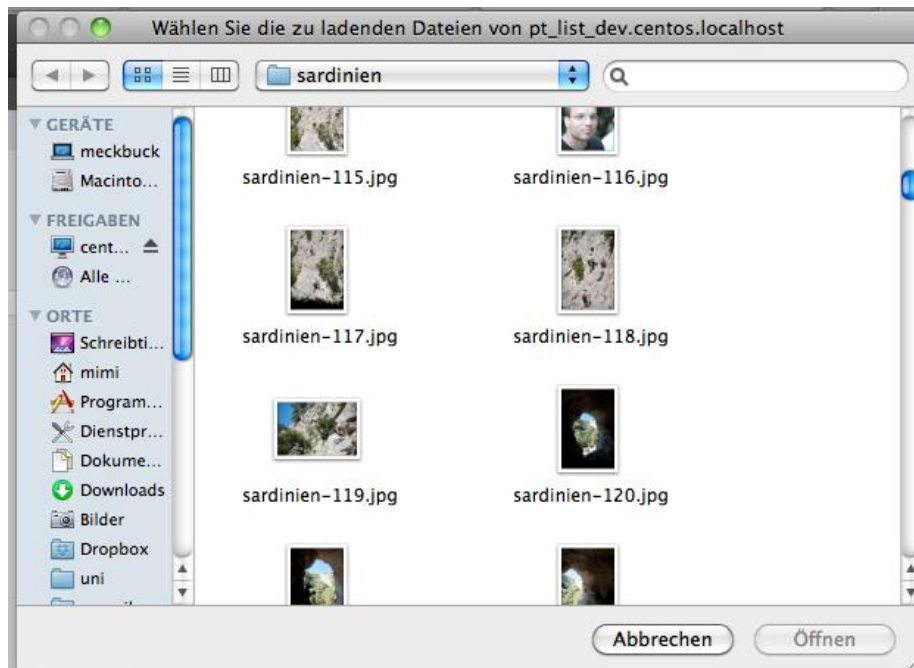
There are several ways for uploading images. We show you uploading from album list. So make sure, you have selected a gallery and get a list of albums inside this gallery. Now click on the green arrow-up symbol next to the garbage-bin symbol:



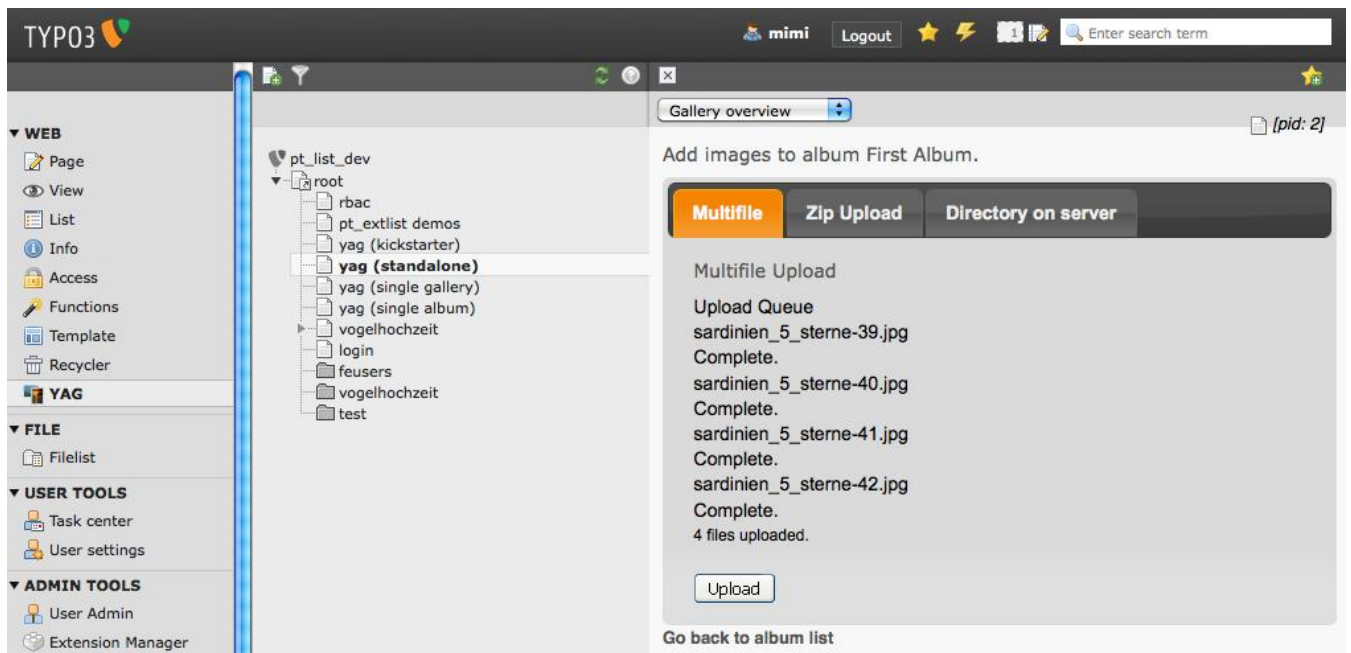
This will show up a form containing different possibilities for uploading images into your album. We use the Multifile-Uploader:



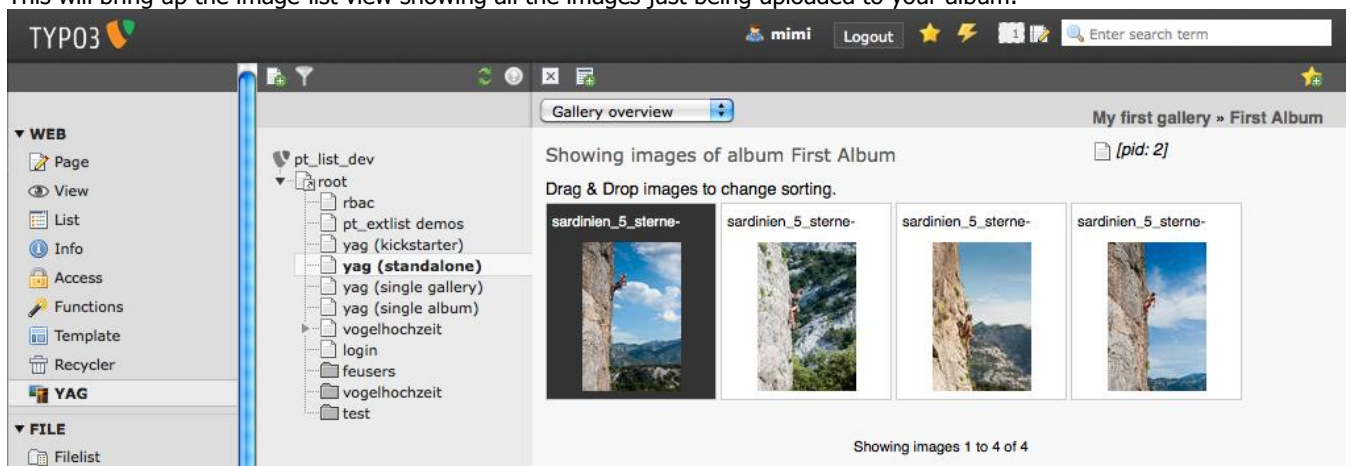
Click on the 'Upload-Button' and you will get a file dialog opened in which you can select multiple files that should be uploaded to your gallery:



Select as many images as you like and click 'Open'. The uploading will start immediately. After you have finished uploading, click on 'Go back to album list':



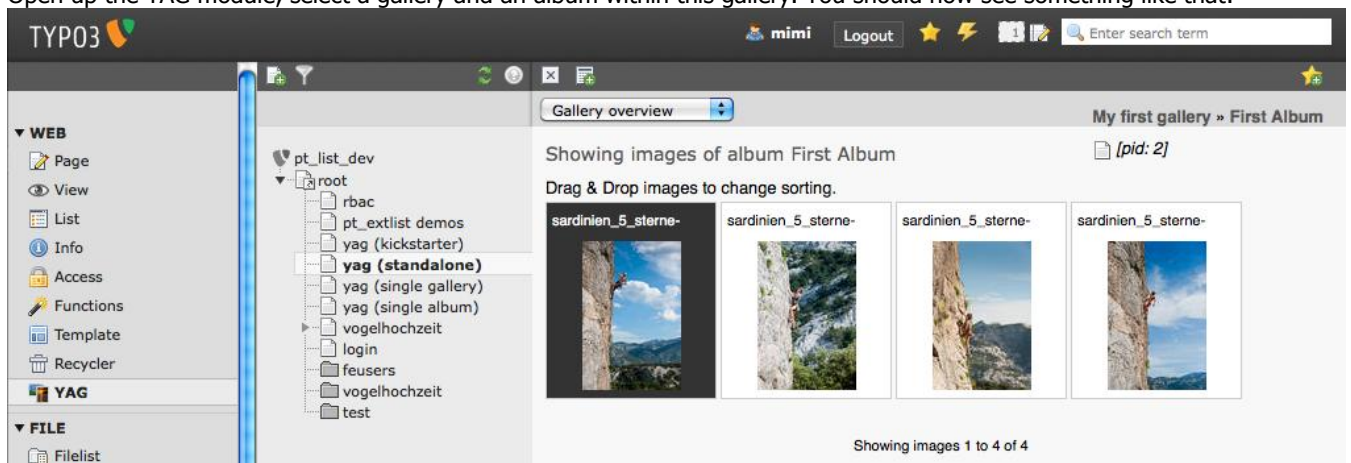
This will bring up the image-list view showing all the images just being uploaded to your album:



Congratulations – you just created your first album!

## Editing Image data inside albums

Open up the YAG module, select a gallery and an album within this gallery. You should now see something like that:



When you move your mouse over an image, a menu will fade in:

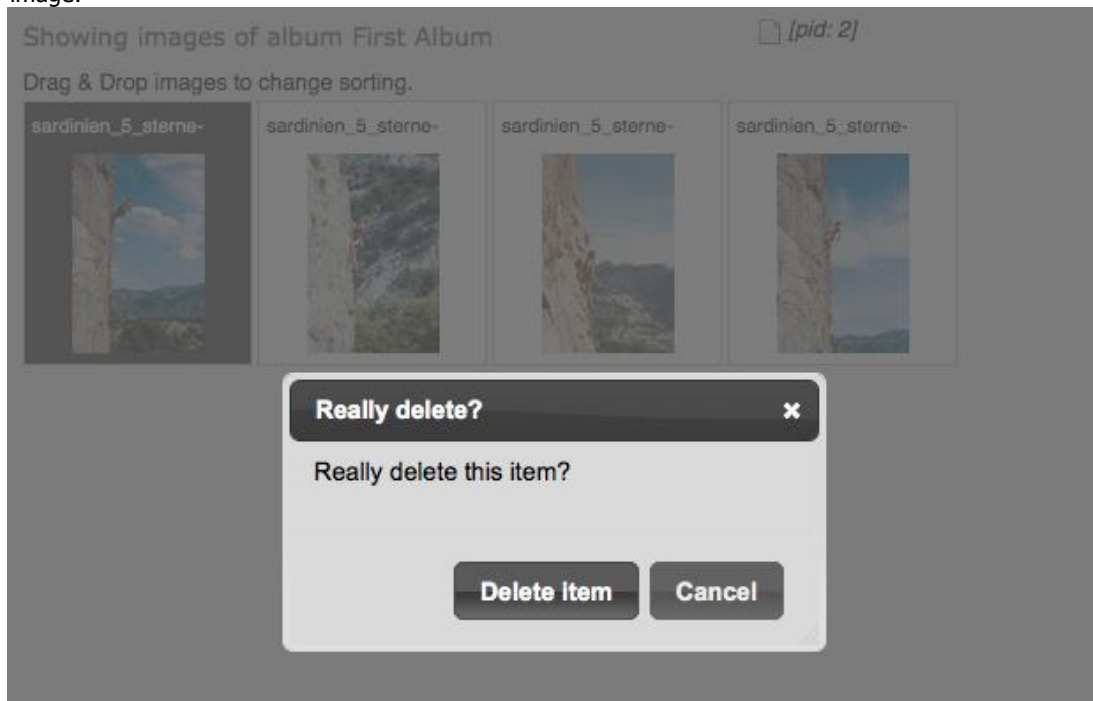




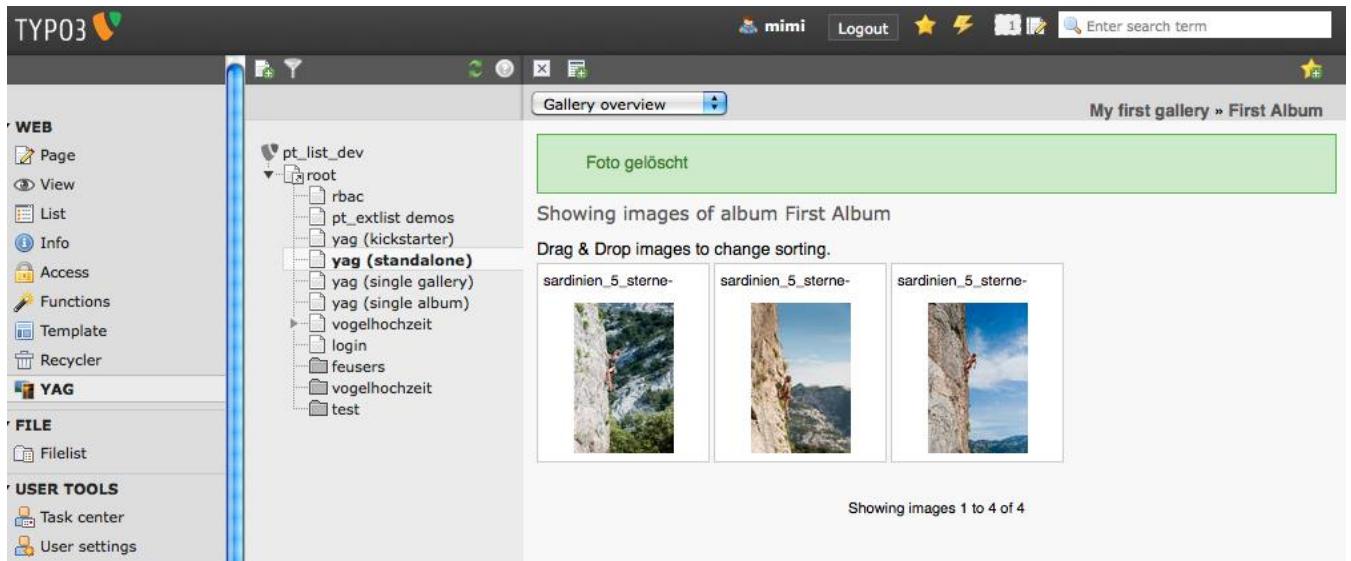
Besides the size of the image, you see some icons below your image, that let you manipulate it:



Using the garbage-bin, you can delete an image. Clicking on it, a dialog will appear and ask you again, whether you want to delete your image:



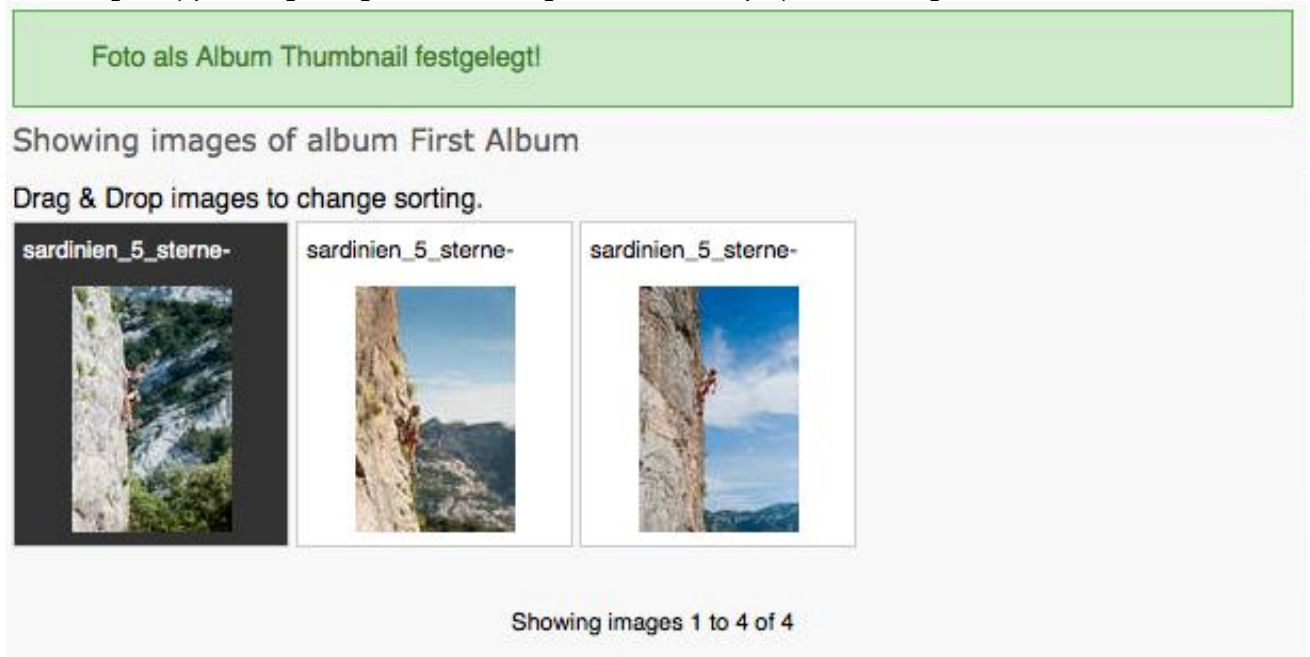
After clicking 'Delete item', the image will fade out and you will get a message, telling you what just has happened:



The yellow star sets your image as album thumb. Clicking on it will make the image the thumbnail image for you album:



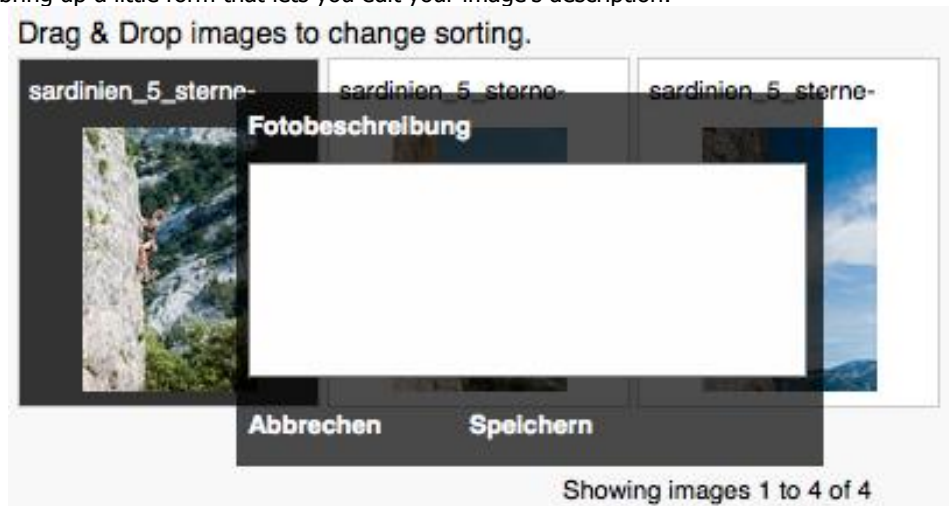
After clicking on it, your image will get a darker background which tells you, that this image is set as album thumbnail:



The edit icon lets you modify the description of your image:



Clicking on it will bring up a little form that lets you edit your image's description:



You can edit your image description and click 'Save' to save changes.

The last icon will open up a lightbox showing a bigger version of your image:

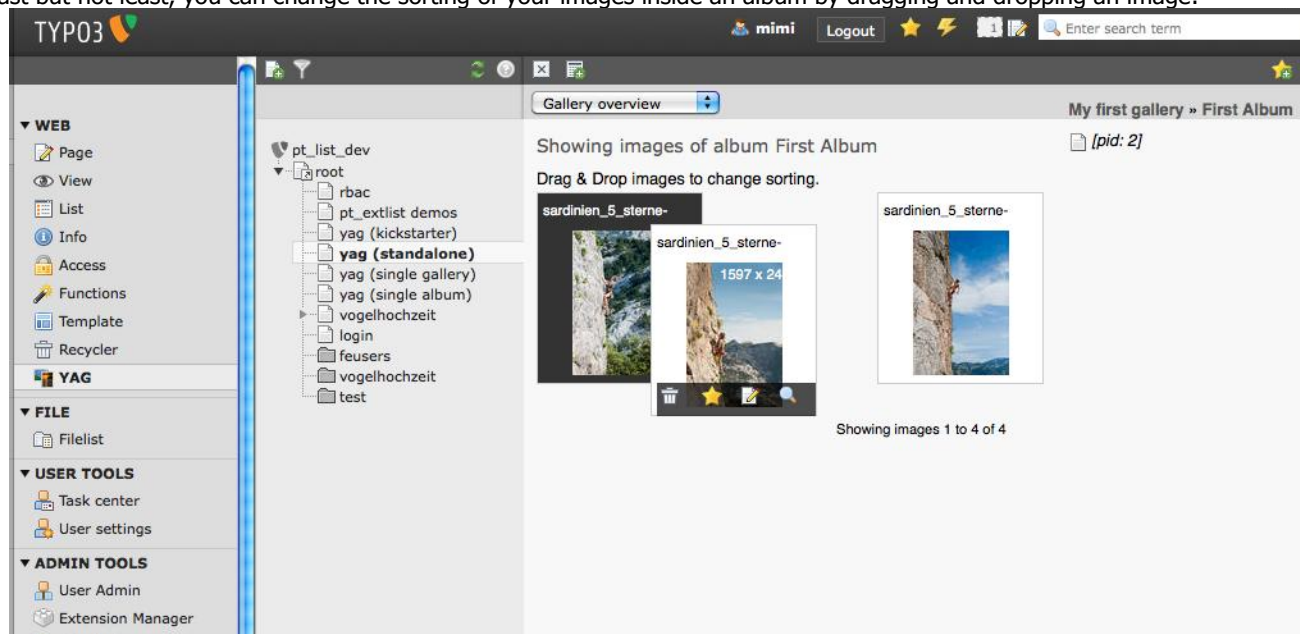


When moving over the heading of an image, the background will change to blue and by clicking the heading, you will be able to change the title of your image:

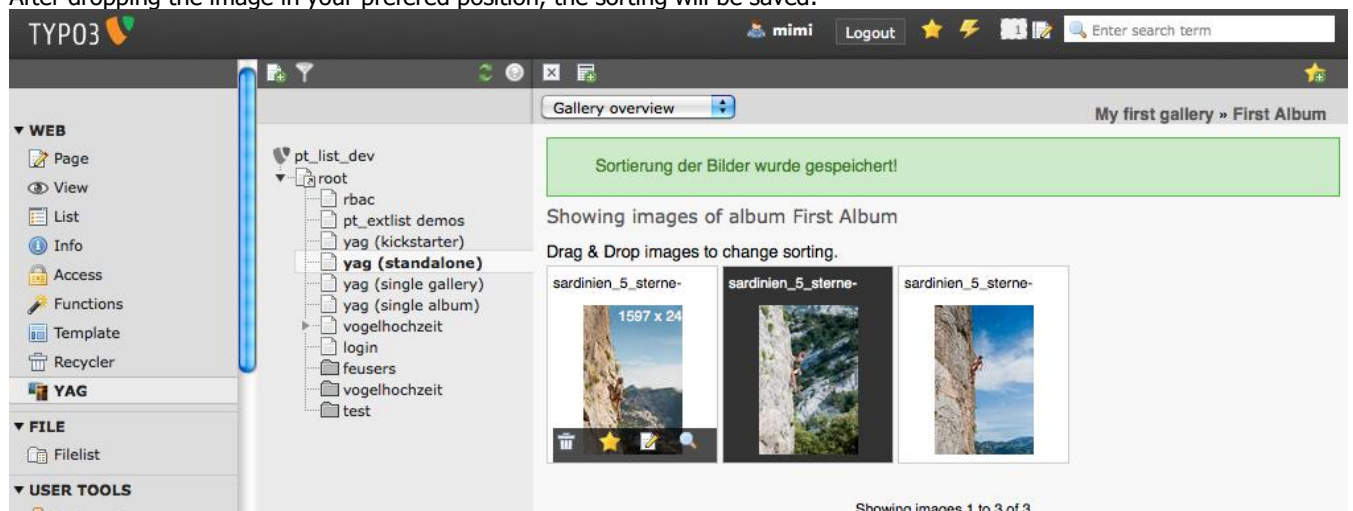




Last but not least, you can change the sorting of your images inside an album by dragging and dropping an image:

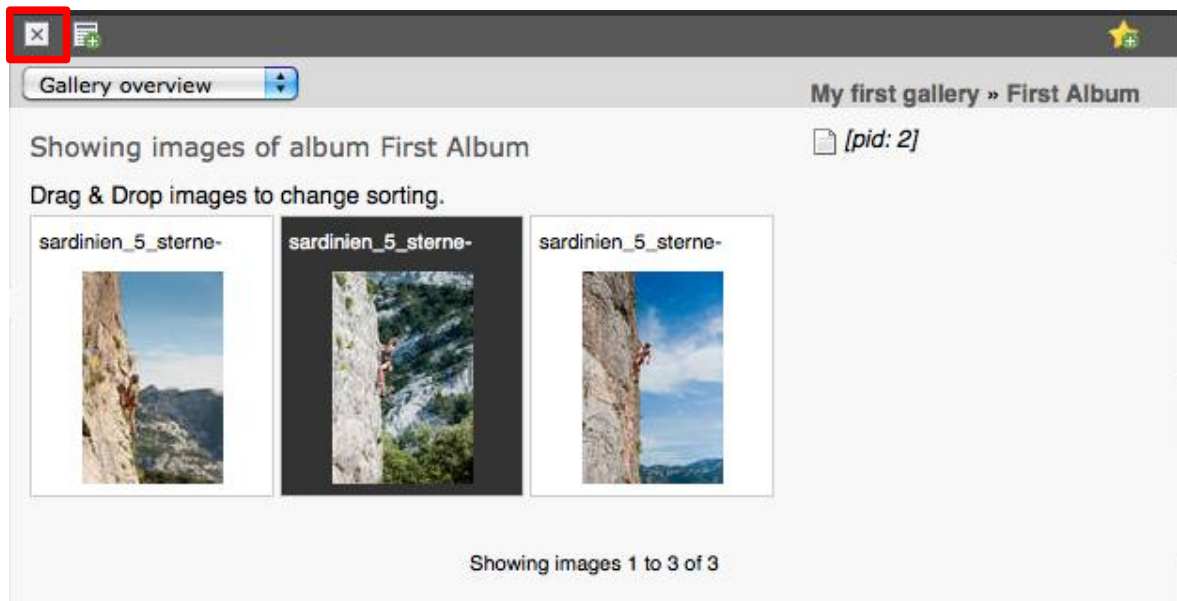


After dropping the image in your preferred position, the sorting will be saved:



Clicking on the 'x' Symbol in the upper left corner will bring you back to your album list:





## Editing Albums

Your album list comes with some icons for editing:



 This lets you edit your albums data in a form:

Edit album First Album


Name

Gallery

Description

Date

[Back to Album](#)

 The lamp will hide / unhide an album in the frontend. If you click on it, it will change to a switched-off lamp and the icon

of the album will get lighter to mark it as hidden:



The Garbage-bin will delete your album.



The green arrow will open up an upload dialog that lets you upload some images to your album.



This will open up the image list that lets you change the sorting of your images.



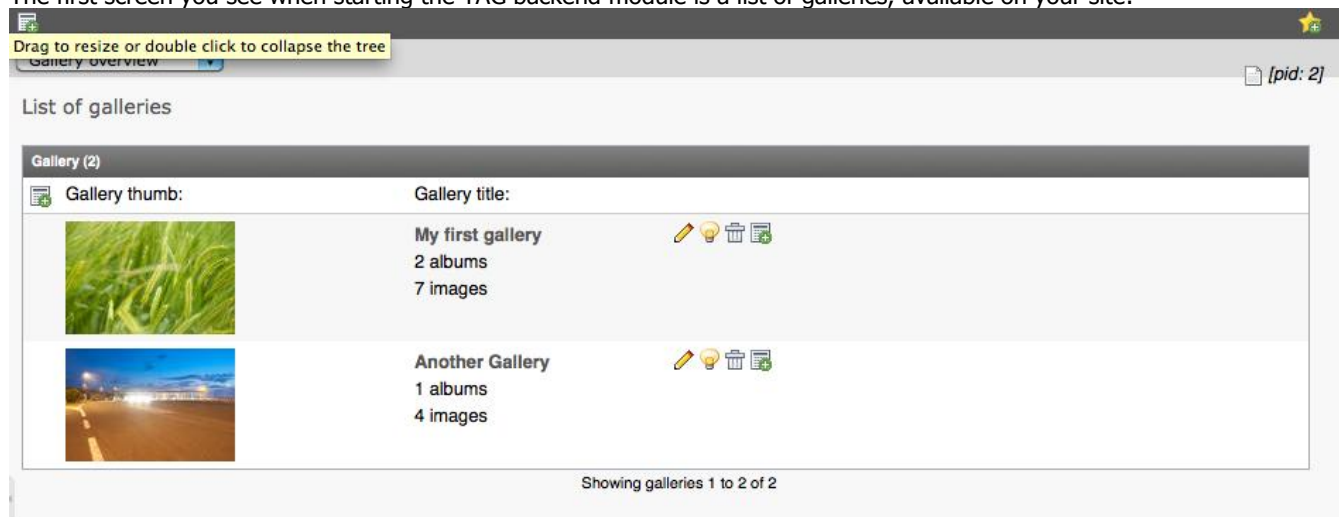
The star sets your album as thumbnail for the gallery. **Please note that the background of your album entry will turn yellow, after you set it as gallery thumb.**



You can add a new album to your gallery by using this button.

## Editing Galleries

The first screen you see when starting the YAG backend module is a list of galleries, available on your site:



You can edit a gallery by clicking on the pencil icon. This will open a form that lets you edit your gallery's information:

Another Gallery

Name(required)

Another Gallery

Description

Save

Back to gallery

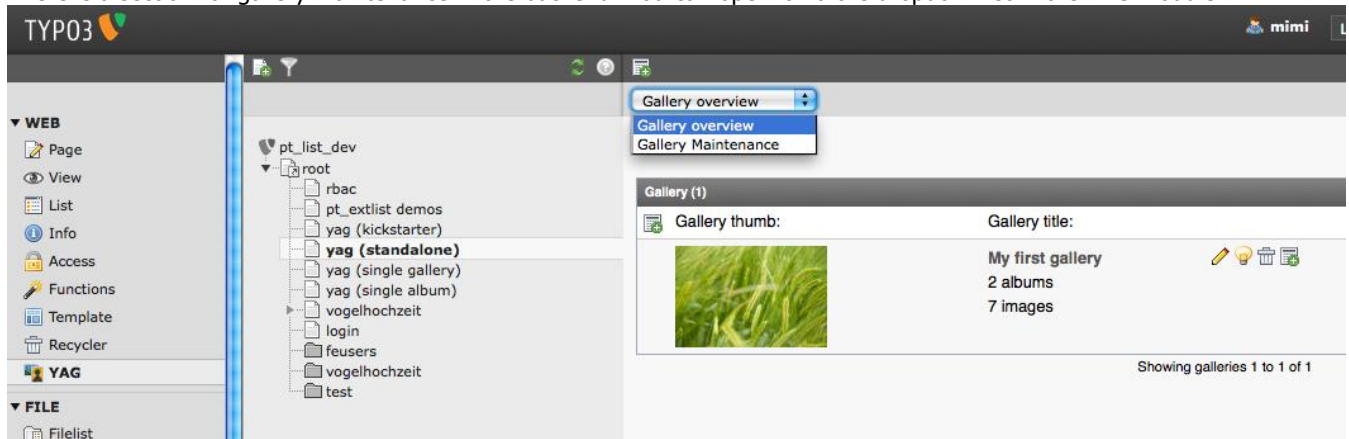
Again, the bulb-icon hides and unhides your gallery. A hidden gallery will no longer be displayed in frontend. Hidden galleries are displayed with a switched-off light bulb and a half-transparent thumbnail:

TODO insert screenshot

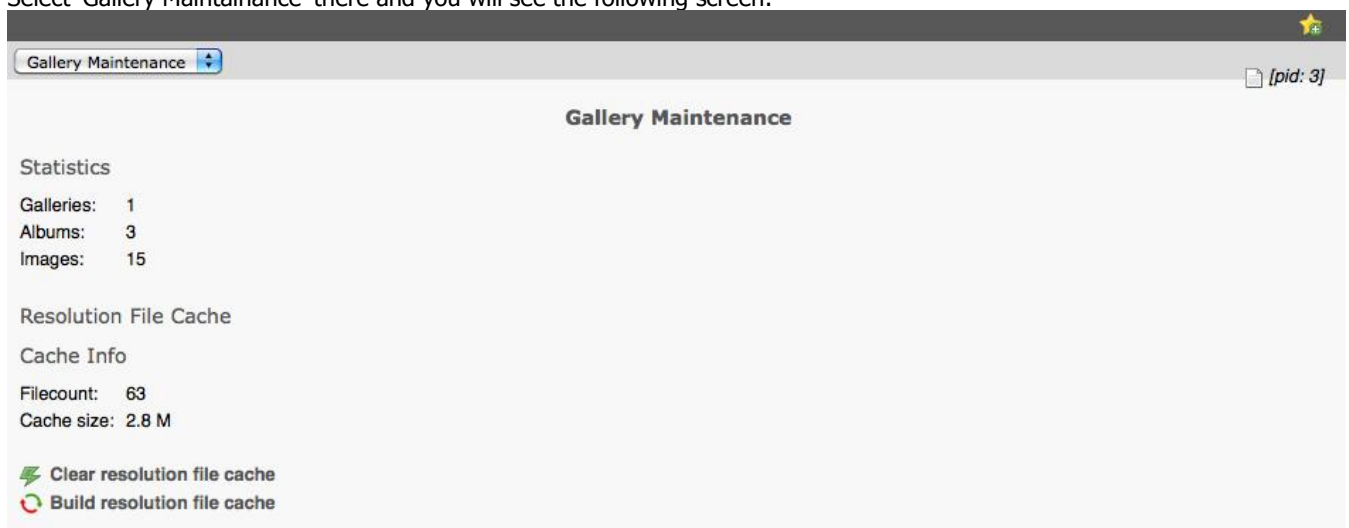
Use the garbage-bin to delete a gallery and the green plus to add a new album.

## Gallery Maintenance

There is a section for gallery maintenance in the backend. You can open it via the dropdownlist in the YAG module:



Select 'Gallery Maintenance' there and you will see the following screen:



Besides a statistics of galleries, albums and images on your site, there is also some information about cached files and the amount of data used for image files on your harddisk.

The last two links on the bottom of the page are important, whenever you change your resolution settings for the gallery. Cached versions of your images are created for all resolutions used on your site. **When you change the settings for the resolutions, you have to clear the file cache and rebuild it.** This is done by using the two links.

When clicking on 'Clear resolution file cache', a message informs you, that the cache has been deleted:

The image resolution cache was successfully cleared.

### Gallery Maintenance

#### Statistics

Galleries: 1  
Albums: 3  
Images: 15

#### Resolution File Cache

##### Cache Info

Filecount: 0

Cache size:

 Clear resolution file cache

 Build resolution file cache


When you click on 'Build resolution file cache', there is a progress bar, that shows you the progress of rebuilding the cache:


#### Resolution File Cache

##### Cache Info

Filecount: 0

Cache size:

 Clear resolution file cache

 Build resolution file cache

Working on File: 64



 Cancel



# Installation

This chapter will give you a step-by-step introduction on how to install the extension.

## Dependent extensions

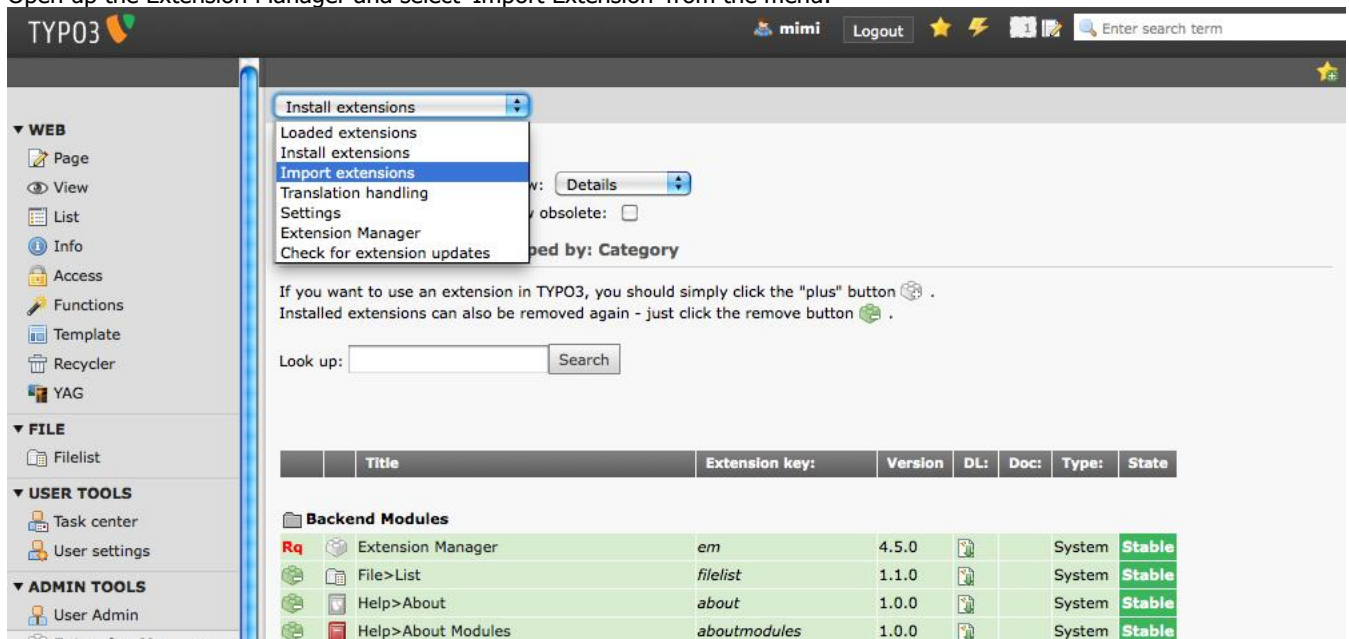
At the moment, there are 3 dependencies for this extension:

- pt\_tools – a collection of libraries used throughout this extension.
- pt\_extlist – a list generator used to render all kinds of lists, pagers and filters.
- rbac – an extension handling user-permissions throughout this extension.

In order to install YAG, you have to set up those three extensions in the order given above (pt\_tools, pt\_extlist, rbac). After that, the installation of YAG is quite straight-forward.

## Importing YAG from TER

Open up the Extension Manager and select 'Import Extension' from the menu:



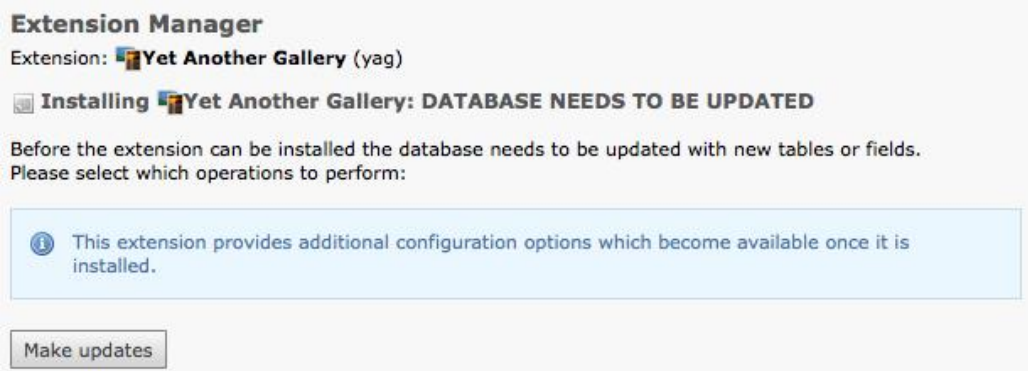
Search for 'yag':

TODO insert Screenshot


Click on the install button:

TODO insert Screenshot


There will be a message informing you, that additional information has to be given:




Click on 'Make updates' and you will get a form you have to submit:

 The extension "yag" has been installed.

### Extension Manager

Extension:  Yet Another Gallery (yag)

**Current status:**

**The extension is installed (loaded and running)!**  
 Click here to remove the extension: 

**Configuration:**

*(Notice: You may need to clear the cache after the configuration of the extension. This is required if the extension adds TypoScript depending on these settings.)*

**Path of directory where YAG should ...** [hashFilesystemRoot]  
 Path of directory where YAG should store all cached images generated for albums - relative to Typo3 base path. This path should not be changed unless you know what you do! (Image base path)

**Path of directory where YAG stores ...** [origFilesRoot]  
 Path of directory where YAG stores all original files.

**Importing TypoScript RBAC settings ...** [updateMessage]  
 Importing TypoScript RBAC settings into database  
 RBAC data has been imported into database.


There are two settings you have to make:

- **Path of directory where YAG should ...[hashFilesystemRoot]:** YAG will create a hashed image for each image shown in different sizes. Those cached files need to be stored on your server. You have to determine here, which folder will be used to do that. Default is typo3temp/yag
- **Path of directory where YAG stores ...[origFilesRoot]:** YAG will store each original file on your server. You have to determine here, where YAG should store original files on your server. Default is fileadmin/yag


Besides those settings, some data is imported into your database for Permissions handled by RBAC.

Click 'Update' to confirm those settings. A message will be shown informing you about the state of the installation:

### Extension Manager

Extension:  Yet Another Gallery (yag)

**Current status:**

**The extension is installed (loaded and running)!**  
 Click here to remove the extension: 

That's it. You have now successfully installed YAG on your server.

# Administration

This chapter gives you a step-by-step introduction on how to set up a page hierarchy and templates to bring YAG on your site.

## Setting up YAG for standalone usage

YAG ships with a TypoScript Template that lets you install YAG standalone, without requiring a page hierarchy or anything. You only have to set up a single page in backend and include the standalone TS-Template:

## Setting up YAG for usage as content-element

# Configuration

As most TYPO3 extensions, YAG ships with a lot of TypoScript settings to be made. To get a first impression of what is configured via TypoScript, open up a page on which YAG static template is included using the Template module and open 'TypoScript Object Browser':



The following reference will give you a in depth explanation of all TypoScript settings used in YAG.

## TypoScript Reference

### plugin.tx\_yag.settings

This is the main section of our extension. All non-framework-specific configuration goes here.

Property:	Data type:	Description:	Default:
rbacSettings	See RBAC reference	Holds actions, objects, domains and role definitions for Role-Based Access Control (RBAC). <b>These settings ship with YAG's static template and should not be changed, as they have no effect on configuration once the extension is installed.</b> Use RBAC administrator to set up further RBAC settings.	
crawler	array	Settings for the YAG file crawler used for directory import.	
AccessDenied	array	<p>Holds a controller / action pair, that defines which controller and action is called whenever access is denied for an action.</p> <p>Example:</p> <pre>accessDenied {     controller = Gallery     action = list }</pre> <p>This will show list action of Gallery controller, whenever access is denied.</p>	

## Tutorial

- A full point-a-to-b-to-c walk-through of an application of the extension. Include screendumps.
- Language: As tutorials are...
- Target group: Whatever fits.



# Developers Guide

We implemented YAG so that it is easily extendable by developers. Here are some basic things you need to know for writing your own extensions for YAG.

## YAG Architecture

## Filesystem Structure

## Image Storage and Resolution File Cache

## Themes and Templates

## Usage of pt\_extlist

## Our extensions of Extbase

## Known problems

Although we tried to make the first version of YAG as stable as possible, there are still some issues left. For getting a complete overview of what's missing, take a look at:

<http://forge.typo3.org/projects/extension-yag/issues>

### Open Issues for version 1.x

- Usage of storage PID: At the moment, YAG does not respect a storage pid, when adding records to database. That means that all records are stored with PID 0 and all records can be accessed from everywhere. This doesn't make YAG multi-user usable in backend, if you want to hide certain records from certain persons.
- YAG depends on ImageMagick: At the moment, YAG cannot resize images without ImageMagick. It's planned to use TYPO3's gdlib library to handle this problem.
- Caching: At the moment, YAG is not using cache whenever possible. There are some cached elements, but not everything is cached yet. This will come in a next version.
- Ajax-updating problems: There are some widgets like pagers in the backend, that are not updated when an Ajax request is handled. For example the number of items in an album is not updated, if an album gets deleted.
- Frontend-Editing: Almost everything required for editing the whole gallery in the frontend is implemented, but we didn't have the time to write all the JavaScript and templates for version 1.0. So this will come in a future-version.
- Role-Management: Although we have a role-management implemented in YAG, there is no administration view to set up users etc. that are equipped with roles. This will come with Frontend-Editing in a next version.

## To-Do list

- A wish list of things you want to add or fix. This includes smaller problems/bugs which are best described as a todo item.
- Visions for what the extension could become with more development.
- [TYP03 Forge link to your project](#)

## ChangeLog

Version	Changes:
1.0.0	First release of this extension.