

Installation and Basic configuration of Album Photos (V6) using images

By : Hans Nieuwenhuis

Version : 1.0.1

There is also a version of this documentation for using Media instead of Images

Tested with releases :

- Drupal : 8.9.14 or 9.1.8
- Plupload : 2.0.0-beta1
- Album Photos : 6.0.0-beta5
- Pathauto : 8.x-1.8
 - Ctools : 8.x-3.5
 - Token : 8.x-1.9
- Crop Api : 8.x-2.1
- Image Widget Crop : 8.x-2.3

- Changes from draft to 1.0.0
 - 7.1.1 content moved to bottom of 7.1.2
- Changes from 1.0.0 to 1.0.1
 - Title
 - Textual changes
 - enabling of plupload in later stage

Table of Contents

1. Module installation.....	4
1.1. General remarks.....	4
1.2. Plupload.....	4
1.2.1 Library install.....	4
1.2.2 Module install.....	4
1.3. Pathauto.....	4
1.3.1 Module install.....	4
1.4. Photos.....	4
1.4.1 Module install.....	4
1.4.2 Enable Photo type for Url aliases.....	4
1.4.3 Rebuild permissions.....	4
1.5. Enable Media library.....	5
1.6. Cropping (optional).....	5
1.6.1 Modules install.....	5
2. Introduction to settings.....	6
2.1. Photo album configuration.....	6
2.2. Photo album content type.....	6
2.3. Photos content type.....	6
2.4. Album media type.....	6
2.5. Views.....	6
2.5.1 Albums.....	6
2.5.2 Album.....	6
3. Access rights.....	7
3.1. Default Rights.....	7
3.1.1 Photo Album node.....	7
3.1.2 Photos.....	7
3.1.3 Media : Album Photos.....	7
3.2. Add view rights for anonymous and authenticated users.....	7
3.3. Rebuild permissions.....	7
4. Create Photo Albums.....	8
4.1. Enable plupload.....	8
4.2. Add albums.....	8
5. Photo information block.....	8
5.1. Place block.....	8
5.2. Use it.....	8
6. Photo Album Configuration.....	9
6.1. Upload.....	9
6.2. Privacy.....	9
6.3. Album Limit.....	9
6.4. Statistics.....	9
6.5. Advanced.....	9
7. Photo Album settings.....	10
7.1. Manage Display.....	10
7.1.1 View mode Full content.....	10
7.1.2 View mode Teaser.....	10
8. Photos Settings.....	11
8.1. Settings.....	11
8.2. Manage display.....	11
8.3. Manage form display.....	11
9. Pathauto Settings.....	11
10. Albums usage.....	12
10.1. Show albums.....	12
10.1.1 All albums.....	12
10.1.2 My albums.....	12
10.2. Edit Album node.....	12
10.3. Set cover photo.....	12
11. Photos usage.....	13
11.1. Show my photos.....	13

11.2. Edit Photo.....	13
12. Privacy settings.....	14
12.1. Set privacy for an album.....	14
12.2. Open.....	14
12.3. Locked.....	14
12.4. Designated users.....	14
12.5. Password required.....	14
13. Private File system Path.....	15
13.1. Create directory.....	15
13.2. Settings.php.....	15
13.3. Settings for Nginx.....	15
13.4. Drupal settings.....	15
14. Insert Photo Album in CkEditor as Media.....	16
14.1. Goal.....	16
14.2. Configuration.....	16
14.2.1 Manage Form Display.....	16
14.2.2 Manage Display.....	16
14.2.3 Configure Text formats and editors.....	16
14.3. Make album available as media.....	16
14.4. Embed Photo Album in CkEditor.....	16
15. Setup of optional modules.....	17
15.1. Setup cropping.....	17
15.1.1 Create crop type.....	17
15.1.2 Create images style.....	17
15.1.3 Set Photos image widget.....	17
15.1.4 Apply crop.....	17
15.2. Other Recommended modules.....	17

1. Module installation

1.1. General remarks

Composer and drush are used to install and enable the modules.

There are other ways to install modules as explained in [Installing Modules](#)

Drupal was also installed using composer.

- `composer create-project drupal-composer/drupal-project:9.x-dev <my_site_name_dir>`

1.2. Plupload

Plupload enables batch upload of images

1.2.1 Library install

- `cd <my_site_name_dir>/web`
- `mkdir -p libraries`
- `cd libraries`
- `wget https://github.com/moxiecode/plupload/archive/v2.3.6.zip`
 - *NB. version 3.x does not work*
- `unzip v2.3.6.zip`
- `mv plupload-2.3.6 plupload`
- `rm v2.3.6.zip`
- `rm -Rf plupload/examples`

1.2.2 Module install

- `cd <my_site_name_dir>`
- `composer require drupal/plupload`
- `./vendor/bin/drush en plupload`

1.3. Pathauto

1.3.1 Module install

- `cd <my_site_name_dir>`
- `composer require drupal/pathauto (also installs token and ctools)`
- `./vendor/bin/drush en pathauto (also enables token and ctools)`

1.4. Photos

Album Photos module.

Also contains submodule photos_access. To control who has access to the photos and albums.

1.4.1 Module install

- `cd <my_site_name_dir>`
- `composer require drupal/photos:"^6.0"`
- `./vendor/bin/drush en photos`
 - *will also enable media*
- `./vendor/bin/drush en photos_access`

1.4.2 Enable Photo type for Url aliases

- Configuration -> URL Aliases -> Settings
 - under Enabled entity types enable Photo type

1.4.3 Rebuild permissions

- Reports -> Status report
- *look for NODE ACCESS PERMISSIONS*
- *You will find "Rebuild permissions" there*

1.5. Enable Media library

- `cd <my_site_name_dir>`
- `./vendor/bin/drush en media_library`

1.6. Cropping (optional)

1.6.1 Modules install

- `cd <my_site_name_dir>`
- `composer require drupal/crop`
- `./vendor/bin/drush en crop`
- `composer require drupal/image_widget_crop`
- `./vendor/bin/drush en image_widget_crop`

2. Introduction to settings

Where to find settings. More details in the next chapters

2.1. Photo album configuration

- Configuration -> Photos
- General settings for the Album and Photos
- See : [Photo Album Configuration](#)

2.2. Photo album content type

- Structure -> Content Types -> Photo album
- This is the album container content type
- See : [Photo Album settings](#)

2.3. Photos content type

- Structure -> Photos
- This is the photo container content type
- You can also set the view mode for sorting albums and photos here.
- See : [Photos Settings](#)

2.4. Album media type

- Structure / Media types/ Album photos
- This is a media type used to embed a cover/link to the album in CKEditor.
- See : [Insert Photo Album in CkEditor as Media](#)

2.5. Views

2.5.1 Albums

- Displays a list of photo albums
 - machine name: photos_album_list
 - Shows content of type Photo album
 - Displays
 - Page: Albums grid (show albums)
 - Display format Grid of fields
 - Page: User Albums (show user albums)
 - Display format Grid of fields
 - Path: /user/%user/photos
 - contextual filter: content: Authored by

2.5.2 Album

- Displays a list of photos for one album or one user
 - Machine name: photos_album
 - Shows Photo in an Album
 - Displays
 - Block: Album images (show images in album)
 - shows grid of Photo
 - view mode: List
 - Contextual filter: Album id
 - Format: Grid : 3 columns
 - Page: User images (show users images in album)
 - shows grid of Photo
 - view mode: List
 - Contextual filter: Authored by
 - Format: Grid : 3 columns

3. Access rights

There are many permissions that control the rights.

For now we assume that the user who creates albums and photos has administrator rights. So we only add view rights for other users.

3.1. Default Rights

3.1.1 Photo Album node

- Anonymous User: None
- Authenticated User : None
- Administrator : Create, Delete own/any, Edit own/any

3.1.2 Photos

- Anonymous User: None
- Authenticated User : None
- Administrator : Create, Delete own/any, Edit own/any, View original Image, View photos

3.1.3 Media : Album Photos

- Anonymous User: None
- Authenticated User : None
- Administrator : Create, Delete own/any, Edit own/any

3.2. Add view rights for anonymous and authenticated users

- People -> Permissions
 - Under Photos
 - check view original image for anonymous and authenticated users
 - check view [photos](#) for anonymous and authenticated users
 - Save permissions

3.3. Rebuild permissions

- Reports -> status report
- look for NODE ACCESS PERMISSIONS
- You will find "Rebuild permissions" there

4. Create Photo Albums

4.1. Enable plupload

- Configuration -> Photos
 - Upload
 - check : Use Plupload for file uploads
 - Save configuration
- *Rest of settings will be explained later*

4.2. Add albums

This will make the rest of the documentation easier to understand

- Create at least two photo albums with each 5 photo images minimal.
- Content -> Add content -> Photo album
 - add title and body
 - save
 - now the add photos page is shown
 - Click "Add Files"
 - In popup select the photos to upload
 - Click "Confirm Upload"
 - Now view the album
 - Content
 - Click on an Album
 - It is now displayed

5. Photo information block

This block allows for scrolling through the photos using a block in the sidebar.

5.1. Place block

- structure -> block layout
 - place Photo Information block in sidebar first at top
 - save block
 - save blocks

5.2. Use it

- Open a photo Album
- Click on one of the photos. (not the cover)
- Now the block is shown in the sidebar first region
- In the sidebar you can :
 - scroll through the photos by clicking next and previous
 - go back to the album by clicking <album name>
 - show all photos owned by the current user by clicking <user name>

6. Photo Album Configuration

- Configuration -> Photos

6.1. Upload

- Classic form
 - For number of upload fields on the classic upload form.
- Use Plupload for file uploads
 - Classic form is ignored when checked.
- Default multi-upload field
 - The field that contains the image. Default field_image
- Maximum image resolution
 - The maximum image resolution example: 800×600. If an image toolkit is available the image will be scaled to fit within the desired maximum dimensions. Make sure this size is larger than any image styles used. Leave blank for no restrictions.
- Allow zip upload
 - enables/disables uploading of zipfile with images
- Clean image titles
 - This will remove the file extension and replace dashes and underscores with spaces when the filename is used for the image title.

6.2. Privacy

- Privacy settings
 - These settings are for password protected galleries, private galleries and other settings like adding individual users as collaborators.
 - See : [Privacy settings](#)

6.3. Album Limit

- Settings for number of albums a user is allowed to create.
- For :
 - Authenticated user
 - Administrator

6.4. Statistics

- A counter can be enabled for number of views for an image
- This statistic can be updated when :
 - when cron runs
 - when image is uploaded (may affect the upload speed)
- If this is enabled you will see a number of visits when you view an image.
(if this is ≥ 1)

6.5. Advanced

- Warning: advanced settings can dramatically change the way all photos content appears on this site. Please test thoroughly before changing these settings on a live site. Site cache might need to be cleared after changing these settings.
- Album photos image list view
 - Is the view used to display the Photos in an Album
- Override default album link
 - Is the view used for displaying a list of Albums
- Override default user albums link
 - Is the view used for displaying a list of User Albums
- Override default user images link
 - Is the view used for displaying a list of User Images
- Legacy settings
 - Legacy view mode is to help preserve image and album layouts that were configured pre 6.0.x. Only use this setting if you need to.

7. Photo Album settings

- Structure -> Content types -> Photo album -> Manage fields

7.1. Manage Display

- select Default
- At the bottom expand Custom Display Settings
 - enable Full content so view mode default is no longer used when the node is displayed.
 - Save

7.1.1 View mode Full content

- Used to display the album node
 - Enabled fields : Body, Album cover, Album Photos, Comments, Links
- Body :
 - Body text
- Album Cover :
 - Is a pseudo field on the album node and is a hard coded link to the view mode "Album cover" of the Photos content type. (Structure-> Photos -> Manage display)
- Album Photos :
 - Is a pseudo field on the album node and is a hard coded link to the view mode "List" of the Photos content type. (Structure-> Photos -> Manage display)
- Comments :
 - Comments on Photo Album
- Links :
 - Links on Photo Album

7.1.2 View mode Teaser

- Used to display album node on front page (if promoted to front page is checked)
- Enabled fields default : Album cover, Album photos, Links, Body
- Disable the Album photos, comments and links here, so the list of albums only shows the album cover and body and no Photo images.
- Save

8. Photos Settings

- Structure -> Photos

8.1. Settings

- Rearrange Albums page
 - The view mode used for rearranging albums
 - structure / photos / manage display/<view mode>
- Rearrange images page
 - The view mode used for rearranging images
 - structure / photos / manage display/<view mode>

8.2. Manage display

- Album cover
 - Used for : Album Cover
 - Enabled fields: Image
 - Image format : Photos Image, Thumbnail (100x100), linked to album
 - Album content type field Album cover is a hard coded link to this view mode.
- Full content
 - Used for :
 - image view (/photos/{album id}/{photos id})
 - Enabled fields: Authored by, Authored on, Album ID, Image, Description
 - Image format: Image, large 480x480
- List
 - Used for : Album list (/photos/%node)
 - Enabled fields: Image, Authored on, Authored by, Description

- Image format: Image, Large (480x480), linked to content
- Pager
 - Used for: Photo Information block
 - Enabled fields: Image
 - Image format: Image, thumbnail 100x100
- Sort
 - Used for: photo sort (/node/{album}/photos-rearrange) and album sort (/photos/album-rearrange)
 - Enabled fields: Image
 - Image format: Image, thumbnail 100x100

8.3. Manage form display

- Move image from Disabled to enabled beneath Published
 - this enables you to replace the image for this photo by removing it and adding a new one.

9. Pathauto Settings

- Configuration -> URL Aliases
- tab Patterns
- During installation two patterns are created :
 - Album :
 - Label: Album
 - Pattern : /photos/[node:title]
 - Pattern Type : Content
 - Sample : /photos/album-1
 - Photo :
 - Label: Photo
 - Pattern: photos/[photos_image:album_id:entity:title]/[photos_image:title]
 - Pattern Type: Photo
 - If Photo type is not enabled it will show : Broken type
 - Sample : /photos/album-1/20201220-6177-web

10. Albums usage

10.1. Show albums

10.1.1 All albums

- [/photos](#)

10.1.2 My albums

- My Account -> View profile
 - `/user/{user id}`
 - `<no of> albums` link
 - `/user/{user id}/photos`
 - brings you to list of your albums
 - Rearrange albums link
 - `/user/{user id}/photos/album-rearrange`
 - change the order the photos are shown in the list.
Drag and drop
Uses the photos (album) weight attribute
 - Albums are sorted within a user setting
 - Album Title and Album Cover image link
 - `/node/{album id}`
 - takes you to the album node
 - Create new album link
 - `/node/add/photos`
 - brings you to content -> add content -> Photos
 - `{no of} images` link
 - `/user/{user id}/photos/images`
 - brings you to `/user/{user id}/photos/images`
 - shows all images from all your albums
 - uses the view : Album with Display: Page: UserImages

10.2. Edit Album node

- content -> select album
- `.../photos/<album title>`
- options
 - view (default)
 - at bottom of page is the option to add comments to album
 - Edit
 - `/node/<id>/edit`
 - edit title, body and privacy settings (if enabled)
 - Photos
 - `/node/<id>/photos`
 - add photos
 - Rearrange
 - `/node/<id>/photos-rearrange`
 - change the order the photos are shown within the album.
Drag and drop
Uses the photos_image weight attribute
 - [The album weight](#) is a per user setting.
So you can not sort the photos [through](#) all albums using the weight property, because then the same weight could occur twice.
 - Delete
 - `/node/3/delete`
 - Delete the album. Also deletes the uploaded images for this album.

10.3. Set cover photo

- To set the cover of an album open the album and click on one of the photos
- Now at the top you see the option : Set to Cover

11. Photos usage

11.1. Show my photos

- My Account -> View profile
- {no of} images link
 - /user/{user id}/photos/images
 - brings you to /user/{user id}/photos/images
 - shows all images from all your albums
 - uses the view : Album with Display: Page: UserImagesAll Photos

11.2. Edit Photo

- You can start the edit from :
 - User profile page : My Account -> View profile → User images
 - Content : Content / Photos / select photo
 - Content : Content / select album /select photo
 - Anywhere you can open an album
- click on the photo
 - available tabs :
 - View
 - Edit
 - Delete

12. Privacy settings

This is a per album setting. It supersedes the people -> permission settings

- Enable privacy settings : Configuration -> Photos -> Privacy
- Set Privacy settings Enabled
- Save configuration
- Now open an album and go to the Edit tab
- The privacy settings are available now.
- For Locked and Password protected galleries you need to setup Private files see : [Private File system Path](#)
Users need to have the required drupal access rights also.

12.1. Set privacy for an album

- content -> <Album>
- Edit tab
- Privacy settings

12.2. Open

- Any one with the required drupal access rights can view the album
- add collaborators
 - comma separated list of users who may edit the album

12.3. Locked

- setup Private files system path. see : [Private File system Path](#)
- Specific users will have access to the Album.
- These users will be able to view and to edit
- Other users will not see the album

12.4. Designated users

- Specific users will have access to the Album.
- You can add users that have view access to the Album.
- You can add users that have edit access to the Album.
- Others users will not see the album

12.5. Password required

- setup Private files system path. see : [Private File system Path](#)
- Specific users will have access to the Album using a password
- These users will be able to view and to edit.
- Other users will not see the album

13. Private File system Path

This is the directory where the private drupal files are saved.
It should be writable by Drupal, but not accessible over the web.

In this example we are using ../files. This is relative to the drupal root directory

13.1. Create directory

- `<my_site_name_dir>`
- `mkdir files`

13.2. Settings.php

- edit settings.php
 - look for `$settings['file_private_path']`
 - set it to : `$settings['file_private_path'] = '../files';`

13.3. Settings for Nginx

- Edit `.../nginx/conf.d/<site>.conf`
- add the next lines

```
location ~ <my_site_name_dir>/files/photos {
    try_files $uri @rewrite;
}
```

```
location ~ <my_site_name_dir>/files/styles {
    try_files $uri @rewrite;
}
```

- This will make the photos and styles (for responsive images) accessible to drupal
- because this directory is not in the web root, files will not be directly accesible from the web

13.4. Drupal settings

- Configuration -> File system
- Private file system path will be set to : `../privatefiles`
- set default download method to : Private local files served by Drupal.
- Rebuild cache

14. Insert Photo Album in CkEditor as Media

14.1. Goal

- To embed the album cover, link, slideshow or colorbox link (for example) into content with the editor. So we can add the album anywhere in the text content. Currently only the cover link to the album [is](#) available.

14.2. Configuration

14.2.1 Manage Form Display

- Structure -> Media Types
- Edit Album Photos
- Manage Form Display
- For Photos album set widget to Select list
- Save

14.2.2 Manage Display

- Structure -> Media Types
- Edit Album Photos
- Manage Display
- For Photo album select the cog wheel
- Set Type to Cover
- Save

14.2.3 Configure Text formats and editors

- Configuration -> text formats and editors
- configure full html
- move available media button to active toolbar next to image in media panel
- also check embed media lower on the page

14.3. Make album available as media

- Content -> Media -> Add Media
- select Album Photos
- Select the desired Album from the list
- Save

14.4. Embed Photo Album in CkEditor

- set text format to full html
- In CkEditor click add media button
- In Popup select Album photos
- Select the desired Album
- insert selected
- Save

15. Setup of optional modules

15.1. Setup cropping

15.1.1 Create crop type

- Configuration -> Crop types
- Add crop type
 - Name : MyCrop
 - Leave rest default

15.1.2 Create images style

- Configuration -> Image styles
- Add image style
 - Name: MyLargeCropStyle
 - create new style
 - add effect manual crop
 - Crop type : MyCrop
 - add effect scale
 - 480 x 480
- Add image style
 - Name MyThumbnailCropStyle
 - add effect manual crop
 - Crop type : MyCrop
 - add effect scale
 - 100 x 100

15.1.3 Set Photos image widget

- Structure -> photos -> manage form display
- Set widget for Image to ImageWidgetCrop
 - coq wheel
 - set Preview image style to MyLargeCropStyle
 - set Crop preview image style to Crop thumbnail
- Structure -> photos -> manage display
 - set style to MyLargeStyle for album cover, full content, List
 - set style to MyCropStyle for Pager, Sort

15.1.4 Apply crop

- Edit a photo
 - below the image there is a crop image option
 - expand it
 - crop

15.2. Other Recommended modules

- Image Effects - https://www.drupal.org/project/image_effects
- Colorbox - <https://www.drupal.org/project/colorbox>
- For auto fix image orientation:
 - EXIF Orientation - https://www.drupal.org/project/exif_orientation