

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

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Version : 1.0.1

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

Tested with releases :

- Drupal : 8.9.14 or 9.1.8
- Plupload : 2.0.0-beta1
- Album Photos : dev-6.0.x f1181eb
- 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 1.0.1
 - integration of media in view Album.
 - Titel
 - 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. Media bulk upload.....	5
1.5.1 Dropzonejs library.....	5
1.5.2 Module.....	5
1.6. Library form element.....	5
1.7. Media library theme reset.....	5
1.8. Enable Media library.....	5
1.9. Cropping (optional).....	5
1.9.1 Modules install.....	5
2. Setup and configure Media type.....	6
2.1. Create and enable media type.....	6
2.2. Configure Bulk upload.....	6
2.3. Create view modes.....	6
2.4. Enable viewmodes and configure them.....	7
2.5. Create some media.....	7
2.5.1 List the uploaded media.....	7
3. Create media field in Photos.....	8
3.1. Check photos upload field.....	8
4. Edit the photos view modes.....	8
4.1.1 Album Cover.....	8
4.1.2 Full content.....	8
4.1.3 List.....	8
4.1.4 Pager.....	8
4.1.5 Sort.....	9
5. Views.....	9
5.1. Photos.....	9
5.1.1 Description.....	9
5.1.2 Enable view.....	9
5.2. Albums.....	9
5.2.1 Description.....	9
5.2.2 Set Album cover link.....	9
5.3. Album.....	10
5.3.1 Description.....	10
5.3.2 Enable view.....	10
5.3.3 Edit view.....	10
6. Introduction to settings.....	11
6.1. Photo album configuration.....	11
6.2. Photo album content type.....	11
6.3. Photos content type.....	11
6.4. Album media type.....	11
7. Access rights.....	12
7.1. Default Rights.....	12
7.1.1 Photo Album node.....	12
7.1.2 Photos.....	12
7.1.3 Media : Album Photos.....	12
7.2. Add view rights for anonymous and authenticated users.....	12
7.3. Rebuild permissions.....	12
8. Create Photo Albums.....	13

8.1. Enable Plupload.....	13
8.2. Add albums.....	13
9. Test the views.....	13
10. Photo information block.....	13
10.1. Place block.....	13
10.2. Use it.....	13
11. Photo Album Configuration.....	14
11.1. Upload.....	14
11.2. Privacy.....	14
11.3. Album Limit.....	14
11.4. Statistics.....	14
11.5. Advanced.....	14
12. Photo Album settings.....	15
12.1. Manage Display.....	15
12.1.1 View mode Full content.....	15
12.1.2 View mode Teaser.....	15
13. Photos Settings.....	16
13.1. Settings.....	16
13.2. Manage display.....	16
13.3. Manage form display.....	16
14. Pathauto Settings.....	16
15. Albums usage.....	17
15.1. Show albums.....	17
15.1.1 All albums.....	17
15.1.2 My albums.....	17
15.2. Edit Album node.....	17
15.3. Set cover photo.....	17
16. Photos usage.....	18
16.1. Show my photos.....	18
16.2. Edit Photo.....	18
17. Privacy settings.....	19
17.1. Set privacy for an album.....	19
17.2. Open.....	19
17.3. Locked.....	19
17.4. Designated users.....	19
17.5. Password required.....	19
18. Private File system Path.....	20
18.1. Create directory.....	20
18.2. Settings.php.....	20
18.3. Settings for Nginx.....	20
18.4. Rebuild cache.....	20
19. Insert Photo Album in CkEditor as Media.....	21
19.1. Goal.....	21
19.2. Configuration.....	21
19.2.1 Manage Form Display.....	21
19.2.2 Manage Display.....	21
19.2.3 Configure Text formats and editors.....	21
19.3. Make album available as media.....	21
19.4. Embed Photo Album in CkEditor.....	21
20. Setup of optional modules.....	22
20.1. Setup cropping.....	22
20.1.1 Create crop type.....	22
20.1.2 Create images style.....	22
20.1.3 Set Photos image widget.....	22
20.1.4 Apply crop.....	22
20.2. Other Recommended modules.....	22

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. Media bulk upload

1.5.1 Dropzonejs library

- cd <my_site_name_dir>
- cd web/libraries
- wget <https://github.com/enyo/dropzone/archive/master.zip>
- unzip master.zip
- mv dropzone-master dropzone
- rm *.zip

1.5.2 Module

- cd <my_site_name_dir>
- composer require drupal/media_bulk_upload (also installs dropzonejs)
- ./vendor/bin/drush en media_bulk_upload (also enables dropzonejs)

1.6. Library form element

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

1.7. Media library theme reset

- cd <my_site_name_dir>
- composer require drupal/media_library_theme_reset
- Patch this module to prevent it from enabling layout_builder and layout_discovery
See : https://www.drupal.org/project/media_library_theme_reset/issues/3130862
- cd web/modules/contrib/media_library_theme_reset
- vi media_library_theme_reset.info.yml
 - comment the line that contains layout_builder:
- drupal:layout_builder
- cd <my_site_name_dir>
- ./vendor/bin/drush en media_library_theme_reset

1.8. Enable Media library

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

1.9. Cropping (optional)

1.9.1 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. Setup and configure Media type

2.1. Create and enable media type

- structure -> media type -> add media type
- Name : PhotoMedia
- Description : Media type to be used in Photo Albums
- Media source: image
- Save

2.2. Configure Bulk upload

- Configuration -> media_bulk_upload
 - add media bulk upload configuration
 - label : bulk_images
 - media types : image
 - form mode: default
 - add media bulk upload configuration
 - label : bulk_photomedia
 - media types : photomedia
 - form mode: default
- bulk_images will not be used, but will be helpful for the documentation. When uploading media in bulk you will see multiple options now.

2.3. Create view modes

For this documentation we will create two "simple" view modes. But you can create more view modes and use responsive images.

- structure -> media types
- edit PhotoMedia
- Select tab Manage Display
- Select Custom Display Settings at the bottom
- click manage view modes
- add view mode
 - click Media
 - name: PhotoMediaLarge
 - Save
- add view mode
 - click Media
 - name: PhotoMediaThumbnail
 - Save
- add view mode
 - click Media
 - name: PhotoMediaCover
 - Save

2.4. Enable viewmodes and configure them

- structure -> media types
- edit PhotoMedia
- Select tab Manage Display
- Select Custum Display Settings at the bottom
- now check Default, PhotoMediaLarge, PhotoMediaThumbnail and PhotoMediaCover
- Save
- click PhotoMediaLarge tab at the top
 - set it to :
 - Label: Visually Hidden
 - Format : Image
 - Coq wheel
 - Image style : Large (480x480)
 - Linke image to : Nothing
 - update
 - save
- click PhotoMediaThumbnail tab at the top
 - set it to :
 - Label: Visually Hidden
 - Format : Image
 - Coq wheel
 - Image style : Thumbnail (100x100)
 - Linke image to : Nothing
 - update
 - Save
- click PhotoMediaCover tab at the top
 - set it to :
 - Label: Visually Hidden
 - Format : Image
 - Coq wheel
 - Image style : Large (480x480)
 - Linke image to : Nothing
 - update
 - Save

2.5. Create some media

- Content -> Media
- Upload media in bulk
- select bulk_photo_media
- click select files
- select about 20 images
- leave rest of the fields empty
- click submit

2.5.1 List the uploaded media

- Content
- select media tab
- Filter on Type = PhotoMedia
- The uploaded media should be displayed now.

3. Create media field in Photos

- Structure -> photos
 - manage fields
 - delete image field
 - add field
 - Type: media
 - Label: Image
 - save and continue
 - unlimited
 - save field settings
 - Reference type
 - media type: photomedia
 - save settings

3.1. Check photos upload field

- Configuration -> photos
 - Upload settings
 - Media field should be selected

4. Edit the photos view modes

- Because we changed the image field of the photo type, the view modes need to be corrected
- Structure -> Photos
- Manage Display

4.1.1 Album Cover

- enable Image field by dragging it to the top.
- set label to hidden
- Set Format to Rendered entity
- Coq wheel
 - View mode: PhotoMediaCover
 - Update
- Save

4.1.2 Full content

- Enable Image field by dragging it Above the description field.
- set label to hidden
- Set Format to Rendered entity
- Coq wheel
 - View mode: PhotoMediaLarge
 - Update
- Save

4.1.3 List

- Enable Image field by dragging it to the top.
- set label to hidden
- Set Format to Rendered entity
- Coq wheel
 - View mode: PhotoMediaLarge
 - Update
- Save

4.1.4 Pager

- Enable Image field by dragging it to the top.
- set label to hidden
- Set Format to Rendered entity
- Coq wheel
 - View mode: PhotoMediaThumbnail
 - Update
- Save

4.1.5 Sort

- Enable Image field by dragging it to the top.
- set label to hidden
- Set Format to Rendered entity
- Coq wheel
 - View mode: PhotoMediaThumbnail
 - Update
- Save

5. Views

Due to the replacing of the image field, the Album and Photos view have been disabled
We will enable them again.

5.1. Photos

5.1.1 Description

- Displays a list of photos
 - machine name: photos
 - Shows content of type Photos

5.1.2 Enable view

- Structure -> Views
- Find Photos view and click Enable

5.2. Albums

5.2.1 Description

- 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
 - Path: /photos
 - Page: User Albums (show user albums)
 - Display format Grid of fields
 - Path: /user/%user/photos
 - contextual filter: content: Authored by

5.2.2 Set Album cover link

- Structure -> Views
- edit Albums view
- click Field Photos: Album cover
- make sure Link image is set to Album page

5.3. Album

5.3.1 Description

- 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
 - Path: /user/%user/photos/images
 - Format: Grid : 3 columns

5.3.2 Enable view

- Structure -> Views
- Find Album view and click Enable

5.3.3 Edit view

We want to display a rendered media entity for each photo.
But when we select it we want to display the Photo entity.

- Edit the Album view
- change Show: Photo to Show: Fields for all displays
- add field
 - search for : link to Photo in category photo
 - select it
 - Apply (all displays)
 - check exclude from display
 - check Output the URL as text
 - Apply (all displays)
 - Save
- add field
 - search for : Image in catagory photo
 - select it
 - Apply (all displays)
 - Formatter : Rendered Entity
 - View mode : PhotoMediaLarge
 - expand rewrite results
 - check Override the output of this field with custom text
 - Text : {{ field_image}}
 - Apply (All displays)
 - Save

6. Introduction to settings

Where to find settings. More details in the next chapters

6.1. Photo album configuration

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

6.2. Photo album content type

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

6.3. 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](#)

6.4. 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](#)

7. 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.

7.1. Default Rights

7.1.1 Photo Album node

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

7.1.2 Photos

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

7.1.3 Media : Album Photos

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

7.2. 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

7.3. Rebuild permissions

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

8. Create Photo Albums

This will make the rest of the documentation easier to understand

8.1. Enable Plupload

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

8.2. Add albums

- 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 Media"
 - n.b. if Add media is not shown :
 - configuration -> photos
 - disable Use plupload ...
 - save
 - check Use plupload ...
 - save
 - In popup select the media to upload
 - Click "Insert selected"
 - At bottom of page click Confirm upload
 - Now view the album
 - Content
 - Click on an Album
 - It is now displayed

9. Test the views

- go to <site url>/photos
- click on an album
- The cover and the photos are shown now.
- You look at the rendered media, but if you click on one you go to the view/edit/delete fm of the photo.

10. Photo information block

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

10.1. Place block

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

10.2. 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>*

11. Photo Album Configuration

- Configuration -> Photos

11.1. 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.

11.2. Privacy

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

11.3. Album Limit

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

11.4. 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)

11.5. 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.

12. Photo Album settings

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

12.1. 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

12.1.1 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

12.1.2 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

13. Photos Settings

- Structure -> Photos

13.1. 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>

13.2. Manage display

- Already done in : Edit the photos view modes

13.3. 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.

14. 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

15. Albums usage

15.1. Show albums

15.1.1 All albums

- `<site_url>/photos`

15.1.2 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

15.2. Edit Album node

- content -> select album
- options
 - view (default)
 - at bottom of page is the option to add comments to album
 - Edit
 - edit title, body and privacy settings (if enabled)
 - Photos
 - add 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
 - Delete the album. Also deletes the uploaded images for this album.

15.3. 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

16. Photos usage

16.1. 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

16.2. 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

17. 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.

17.1. Set privacy for an album

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

17.2. 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
- files and styles will be in <my_site_name_dir>/web/sites/default/files

17.3. 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
- files and styles will be in <my_site_name_dir>/files

17.4. 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

17.5. 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

18. 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

18.1. Create directory

- `cd <my_site_name_dir>`
- `mkdir files`

18.2. Settings.php

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

18.3. 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 accessible to drupal
- because this directory is not in the web root, files will not be directly accesible from the web

18.4. Rebuild cache

- `./vendor/bin/drush cr`

19. Insert Photo Album in CkEditor as Media

19.1. 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.

19.2. Configuration

19.2.1 Manage Form Display

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

19.2.2 Manage Display

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

19.2.3 Configure Text formats and editors

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

19.3. Make album available as media

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

19.4. Embed Photo Album in CkEditor

- Create or edit an Article type
- set text format to full html
- In CkEditor click add media button
- In Popup select Album photos
- Select the desired Album
- insert selected
- Save

20. Setup of optional modules

20.1. Setup cropping

Cropping will be applied to media.

20.1.1 Create crop type

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

20.1.2 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

20.1.3 Set Photos image widget

- Structure -> Media Types -> PhotoMedia -> 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 -> Media Types -> PhotoMedia ->Manage display
 - set style to MyLargeCropStyle for PhotoMediaCover, PhotoMediaLarge
 - set style to MyThumbnailCropStyle for PhotoMediaThumbnail

20.1.4 Apply crop

- Edit a PhotoMedia content entity
 - below the image there is a crop image option
 - expand it
 - crop

20.2. 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