

## Base Distribution - Work Package # 45003

<b>Status:</b>	Accepted	<b>Priority:</b>	Should have
<b>Author:</b>	Sebastian Kurfuerst	<b>Category:</b>	Content Editing
<b>Created:</b>	2013-01-31	<b>Assigned To:</b>	Christian Müller
<b>Updated:</b>	2013-10-15	<b>Due date:</b>	

**Subject:** Media Browser

### Description

## Media Browser for Images and Files

- Target Audience: **users** who deal with files and images
- Responsible: Christian Müller <christian (dot) mueller (at) typo3 (dot) org>
- Implemented by: Christian Müller, Karsten Dambekalns, Markus Goldbeck
- Amount: 25 work days
- Version: **must have** for 1.0
- Planned Implementation Timeframe: March - April 2013

### Motivation

Neos users need a way to organize images and files to have them reusable in content as content images or downloads. They want to preview the images they need and probably want to search in their available files.

### Goal

Create a basic solution for organizing files in Neos which has a simple way to upload new files and browse already uploaded files. The solution should be usable in Neos content view as well as in Neos Backend modules and other places of the system. That means we need to extend the TYPO3.Media package and do not create dependencies on Neos in order to have this media browser usable in Flow applications as well. Images should be visible as a thumbnail gallery. Users should be able to categorize files (tagging) and search by those categories.

### Deliverables

- ~~MUST: AbstractMediaFile Model -> Image and (to be created) Document model extend that~~
- ~~MUST: MediaFile Repository to find existing files and images~~
- ~~MUST: Media browser (UI) to see existing files and images in the system as independent Flow application~~
- ~~MUST: Uploads in media browser~~
- ~~MUST: Image preview in media browser~~
- ~~MUST: Tag Modelling and relations to files~~
- MUST: documentation for users of the media browser and developers that want to use the media browser in Neos modules or Flow applications.
- ~~MUST: Integration to Neos content view~~
- COULD: hierarchical tags
- COULD: search
- COULD: endless scrolling
- MAYBE: Metadata Model and relations

### Related issues:

related to TYPO3.Neos - Task # 45972: Improve error handling occurring during...	<b>Closed</b>	<b>2013-03-02</b>
related to TYPO3.Media - Feature # 47262: Easily extending the Image Model	<b>Resolved</b>	<b>2013-04-15</b>
related to TYPO3.Media - Feature # 47428: Provide Asset base class	<b>Resolved</b>	<b>2013-04-22</b>
related to Base Distribution - Task # 48072: Remove image from image property	<b>Closed</b>	<b>2013-05-08</b>
related to TYPO3.Media - Feature # 49137: Filesize and last modification date...	<b>Under Review</b>	<b>2013-06-14</b>
related to TYPO3.Flow - Task # 36800: Streamline Resource object API	<b>Accepted</b>	<b>2012-01-26</b>

### Associated revisions

Revision 4a62c910 - 2013-05-22 13:24 - Karsten Dambekalns

[TASK] Remove version and add license to composer manifest

Change-Id: I2b5dc852919945e92de66cafbe762202f639db65

Related: #45003

**Revision 6a69ac3f - 2013-05-24 11:40 - Karsten Dambekalns**

[FEATURE] Add Asset classes and adjust Image

Adds a base class and an interface for assets. The Image is adjusted to use this and classes for Document, Video and Audio are added.

A new AssetRepository allows retrieval of assets.

Change-Id: I53af34412768f2e51e952d212218299ac124487f

Resolves: #47428

Resolves: #47262

Related: #45003

**Revision 2f782da5 - 2013-06-16 12:31 - Karsten Dambekalns**

[TASK] Update to Bootstrap 2.3.2 (from 2.2.2)

This updates the default bootstrap version from 2.2.2 to 2.3.2.

Change-Id: I67e3d7a87154e1aceded45c197c3d9f2eb69e26a

Related: #45003

**Revision b3aec076 - 2013-06-16 12:34 - Karsten Dambekalns**

[FEATURE] Add jQuery 1.10.1 and 2.0.2, allow version choice

This adds versions 1.10.1 and 2.0.2 of jQuery in addition to the existing version 1.8.2.

A new option "jQueryVersion" to the IncludeViewHelper allows to choose a version, the default is 1.8.2 to keep behaviour.

Change-Id: I56a53911685aaeafe8f8ca4d45d17ad510d4f6cb

Related: #45003

**Revision b11640d3 - 2013-06-17 13:21 - Karsten Dambekalns**

[FEATURE] Add Tags for Assets

This provides basic tagging for assets.

Change-Id: I31cfd84f5c1a874fe3699f5b59431fd03bef4360

Related: #45003

**Revision 030b8986 - 2013-06-17 13:59 - Karsten Dambekalns**

[FEATURE] Asset admin UI

A rather basic UI to upload and edit assets.

Change-Id: lc4ec1e85708ba02437bb95b885d458fb010fbd57

Related: #45003

**Revision 4d47ee95 - 2013-06-17 14:02 - Karsten Dambekalns**

[FEATURE] Upload assets using drag and drop

In the asset list view assets can be uploaded by dragging them to a upload drop zone.

Change-Id: ldcf39aace12a2217e495b8a3c814ecd314932a1f

Related: #45003

**Revision 775d4016 - 2013-06-17 14:02 - Karsten Dambekalns**

[TASK] Enable multi-file upload via drag and drop

Enables upload of multiple files by dragging them into the browser.

The drop zone is moved and styled to be more prominent.

Change-Id: l502b5258d4a17cd693fd5612aa3e21003d62202b

Related: #45003

**Revision 42d1920b - 2013-06-17 14:11 - Karsten Dambekalns**

[TASK] Add caption and lastModified to Asset class

Asset instances now have getCaption() and getLastModified() methods.

Change-Id: l42689229335d58ff455defbc9f81231fa49e19f0

Related: #45003

**Revision c90e8f34 - 2013-06-17 14:32 - Karsten Dambekalns**

[FEATURE] Admin UI improvements (tag handling, thumbnail view, ...)

Tags can now be assigned to assets and assets can be viewed by tag.

Also adds some missing fields to the asset upload form (when not using the drag-and-drop upload), provides a thumbnail view, tweaks the list view and makes assets and tags sorted by title/label by default.

Change-Id: I13de3764b30ee38aff7cdf87d70d61a50e015015

Related: #45003

#### **Revision cafe8cb3 - 2013-07-04 18:58 - Christian Müller**

[FEATURE] Integrate Mediabrowser into Neos, get rid of popovers

Make sure to add the corresponding change to TYPO3.Media as well.

Instead of popovers, we now use sliders for HTML editor, the media browser and the cropping.

The secondary inspector is not yet fully styled, but already works functionality-wise.

Furthermore, this change removes all popover styles from CSS.

Change-Id: Idc89d47cb2e55098efd151d848fd0b8972f30f5c

Related: #45003

Reviewed-on: <https://review.typo3.org/21848>

Reviewed-by: Sebastian Kurfuerst

Tested-by: Sebastian Kurfuerst

#### **Revision f6bc30d6 - 2013-07-04 18:59 - Sebastian Kurfuerst**

[FEATURE] Integration of Media Browser

Change-Id: I5e94204c80133d6fe45ad73b92dc091f402bf469

Related: #45003

Reviewed-on: <https://review.typo3.org/21849>

Reviewed-by: Sebastian Kurfuerst

Tested-by: Sebastian Kurfuerst

#### **Revision a38abd53 - 2013-12-09 19:53 - Karsten Dambekalns**

[FEATURE] Configurable tags and tag assignment

Adds creation and deletion of tags as well as the allowing dragging and dropping an asset onto a tag on the left side tags to that an asset.

Change-Id: I285aed5ccec47be1700d3bb0cd8c186f8e9e844a

Related: #45003

Releases: master, 1.0

Reviewed-on: <https://review.typo3.org/21445>

Reviewed-by: Aske Ertmann

Tested-by: Aske Ertmann

#### **Revision cd9baf72 - 2013-12-09 19:59 - Karsten Dambekalns**

[FEATURE] Configurable tags and tag assignment

Adds creation and deletion of tags as well as the allowing dragging and dropping an asset onto a tag on the left side tags to that an asset.

Change-Id: I285aed5ccec47be1700d3bb0cd8c186f8e9e844a

Related: #45003

Releases: master, 1.0

Reviewed-on: <https://review.typo3.org/26143>

Reviewed-by: Karsten Dambekalns

Tested-by: Karsten Dambekalns

## History

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### #1 - 2013-01-31 11:02 - Sebastian Kurfuerst

- Subject changed from Media Browser to [WIP] Media Browser

### #2 - 2013-01-31 11:16 - Sebastian Kurfuerst

- Target version changed from 1.1 to 1.0 beta 1

### #3 - 2013-01-31 17:34 - Christian Müller

- Subject changed from [WIP] Media Browser to Media Browser

### #4 - 2013-02-01 09:36 - Christopher Hlubek

Do we want *hierarchical tags* or a *folder* structure for assets? IMHO a folder structure should be the base organization since it is a very well known principle for most users. Tags or categories could then add another dimension.

We certainly need some kind of mockup sketching (e.g. Balsamiq) before implementing the UI or model to get a feeling how users should interact with assets.

### #5 - 2013-02-04 08:56 - Christian Müller

@Christopher we discussed that during the codesprint and came to the conclusion that tags (with hierarchy) can fill the role of folders (besides the possibility to have a file in multiple tags). As I suggested folders too I am not against it, but we would have to convince Robert and Sebastian that they are needed. I see the same point of "well known principle" but I think these days people are used to seeing web apps that work with assets in a different way (like Flickr).

### #6 - 2013-02-04 18:23 - Sebastian Kurfuerst

for me, nested tags are simply some kind of "folder", so I think that'd be more general than folders. But we can of course have an option to prevent adding more than one (folder-)-Tag to a node, effectively creating a folder structure :)

### #7 - 2013-02-16 14:59 - Sebastian Kurfuerst

- Status changed from New to Accepted

### #8 - 2013-02-16 15:12 - Sebastian Kurfuerst

- File *typo3neos-distribution-base-45003.pdf* added

- Due date set to 2013-04-30

- Start date changed from 2013-01-31 to 2013-03-04

Has been discussed with Jan-Hendrik from the EAB on 12.02.2013; and has been **accepted** on 15.02.2013 by the EAB.  
(The attached PDF is a snapshot of this work package at the time of acceptance.)

So, Christian, you can schedule this work package in your day-to-day calendar and implement it then -- can't wait to see it in Neos 1.0 :-)

Another side-note: Please do not forget to add comments to this work package and update "% done" while you are working on this package.

Greetings, Sebastian

**#9 - 2013-02-16 15:14 - Sebastian Kurfuerst**

- *Estimated time set to 150.00*

**#10 - 2013-03-25 11:02 - Christian Müller**

- *File Mediabrowser.pdf added*

What we show in the mockup and want to do:

- Media files model (need a common base model, images are one example for more specialized models), base behavior include tagging, name, date?
- Tags are hierarchical categories to sort media files into, basically they have just a name. For easier recognition color and icon could be added. Files can be added to multiple tags. Later "smart tags" like smart folder could be implemented that offer files based on preselected criteria. Tags can also be favorited by users for faster access.

There will be two views in the mediabrowser, both share the sidebar and topbar.

Sidebar includes tag hierarchy, favorite tags and common/global actions and links, additionally we need a untagged/unsorted meta-"tag"

Topbar includes actions directly related to files, so a search/filter, operations for selections (like delete selected) and upload

Main view is a more image centric view with thumbnails and alternatively a plain file list (both offer infinite scrolling)

Media files can be added to multiple tags, the "delete" action will remove the file from the currently selected tag! Implement soft delete and implement real deletion later (Only if a file is removed from all tags it can be deleted from the untagged list of files (later on this removal from tags and unconnecting from content could be offered)). To add a file to a tag you drag the file from the list to the tag.

Multiselection of files should be possible together with batch actions on the files.

The scetched application should work standalone and in other application context. To improve interoperability I suggest working only with (RESTful) services so another UI could access functionality as well (think mobile app)

Search for now will be a simple string based filter on the file list, later some more sophisticated filtering can be added.

Files can have actions attached which should be extensible if someone later wants to add more actions.

Questions / Implementation details not yet discussed

Tag sorting/order

Can the application be used in the same way for selecting files and giving selection back to parent application (Neos image content eg.) or do we need a subset as file selector for that?

Sorting in "image view"?

**#11 - 2013-03-25 11:32 - Christian Müller**

- *% Done changed from 0 to 10*

**#12 - 2013-04-22 11:46 - Christian Müller**

- Due date changed from 2013-04-30 to 2013-05-20

- % Done changed from 10 to 20

Setting the Due date a bit later as we are behind schedule currently and want to use the Neos sprint for integrating the solution together.

**#13 - 2013-05-16 10:26 - Sebastian Kurfuerst**

At the beginning, there were some coordination issues (people waiting for each other, deadlock), but that is solved now.

Current state as discussed with the team:

- Concept is done (see attached wireframes)
- TODO: discuss the concept wireframes with Rasmus
- Domain Model is developed inside a fork at <https://github.com/mgoldbeck/TYPO3.Media>
- DONE: standalone Upload, List View, Tagging
- TODO: standalone image preview
- TODO: integrate this module into backend (based on Views.yaml change)
- TODO: write Content Module inspector editor (biggest chunk)
  
- TODO: the changes from the fork will be pushed to review **until 24th of May**
- next update-meeting will happen on **07. June 2013 08:30 until 09:00**. Goal is to have the Content Module Inspector in the review by then, effectively having the whole thing in the review.

**#14 - 2013-05-16 10:26 - Sebastian Kurfuerst**

- Due date changed from 2013-05-20 to 2013-06-07

**#15 - 2013-05-21 19:15 - Christian Müller**

- % Done changed from 20 to 30

**#16 - 2013-06-10 12:39 - Sebastian Kurfuerst**

**Meeting with Christian, Sebastian on 10. June 2013, 12:30**

Current state as discussed with the team:

- DONE: discuss the concept wireframes with Rasmus
- DONE: pushed first modifications to review:
  - <https://review.typo3.org/#/q/status:open+project:FLOW3/Packages/TYPO3.Media,n,z>
  - will be merged after final review of Christian
- The development continued at <https://github.com/mgoldbeck/TYPO3.Media>
  - UI has improved
  - will be pushed to review soon
  
- TODO: standalone image preview (Karsten)
- TODO: integrate this module into backend (based on Views.yaml change) (Karsten)
- TODO: write Content Module inspector editor (biggest chunk) (Karsten + Christian; in the week until 14. June)

**Summary:** we are a little later than expected, but still make progress here.

**next update-meeting** will happen in a week on **17. June 2013 12:30 until 13:00**. Goal is to have the Content Module Inspector in the review by then, effectively having the whole thing in the review.

**#17 - 2013-08-02 17:06 - Robert Lemke**

- % Done changed from 50 to 70

**#18 - 2013-10-15 12:37 - Christian Müller**

- % Done changed from 70 to 90

**Files**

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typo3neos-distribution-base-45003.pdf	4.7 kB	2013-02-16	Sebastian Kurfuerst
Mediabrowser.pdf	136 kB	2013-03-25	Christian Müller