

TYPO3.Media - Task # 37063

Status:	Resolved	Priority:	Should have
Author:	Adrian Föder	Category:	
Created:	2012-05-10	Assigned To:	
Updated:	2012-09-14	Due date:	

Subject: Re-Evaluate the best practice usage of the Image Validator "network"

Description

consider the following use case

```
1 /**
2  * @param \TYPO3\Media\Domain\Model\Image $newImage
3  * @FLOW3\Validate("$newImage", type="\TYPO3\Media\Validator\ImageSizeValidator", options={ "minimumWidth"=150,
  "minimumHeight"=150 })
4  * @FLOW3\Validate("$newImage", type="\TYPO3\Media\Validator\ImageTypeValidator", options={
  "allowedTypes"={"jpeg","png","gif"} })
5  * @return void
6  */
7 public function createAction(\TYPO3\Media\Domain\Model\Image $newImage) {
8 }

```

```
1 <f:form action="create" name="newImage" enctype="multipart/form-data">
2   <f:form.upload property="resource" class="upload" />
3 </f:form>

```

Currently, providing a non-image file like a .txt file, results in three validation errors:

- 1319801362: The actual image width of 0 is lower than the allowed minimum width of 150.
- 1319801925: The actual image height of 0 is lower than the allowed minimum height of 150.
- 1328030664: The uploaded file is no valid image.

The first two messages are of course thrown in the SizeValidator, the last message is from the ImageTypeValidator.

Interestingly, the getimagesize() method from the Image constructor does not result in a warning or similar when providing a text file.

If providing no image at all (i.e. submitting an empty form), the following exception occurs:

```
#1: Catchable Fatal Error: Argument 1 passed to Acme\Foo\Controller\ImageController_Original::createAction() must be an instance of TYPO3\Media\Domain\Model\Image, null given

```

The latter occurrence could be fetched with adding the NotEmptyValidator; but what to do in case of an invalid image? Generally the TypeValidator should be responsible for that; but due to the fact that an Image instance is generated however, the SizeValidator also comes to place.

Having talked to Christian about that, we came to the idea that the Image (constructor) should throw an exception if it's not actually an image (per PHP doc it should however throw a Warning, but I'll check that).

That exception could be caught by the ImageTypeConverter, returning NULL if that Exception occurs.

So at the end, again the NotEmptyValidator would catch that case.

I'll provide a patch for that; feel free to add comments here meanwhile.

Associated revisions

Revision 9f957b96 - 2012-07-06 15:41 - Adrian Förder

[TASK] Adjust behavior for the case of non-valid images

Errors and Exceptions that occur while trying to handle an image are now caught smoothly.

The Image TypeConverter returns an error object if such an Exception happens, making it possible to display user friendly validation messages on upload.

Change-Id: I4897b74ec421b23ef667a0fbd7b65926866791cc

Resolves: #37063

History

#1 - 2012-05-10 18:15 - Adrian Förder

- Status changed from New to Under Review

#2 - 2012-05-11 09:13 - Gerrit Code Review

Patch set 2 for branch **master** has been pushed to the review server.

It is available at <http://review.typo3.org/11136>

#3 - 2012-07-06 15:42 - Gerrit Code Review

Patch set 3 for branch **master** has been pushed to the review server.

It is available at <http://review.typo3.org/11136>

#4 - 2012-09-14 10:29 - Adrian Förder

- Status changed from Under Review to Resolved

has been merged some time ago.