

TYPO3 Core - Bug #91855

Image with crop set is JPEG compressed twice

2020-07-23 20:39 - Christian Toffolo

Status:	Under Review	Start date:	2020-07-23
Priority:	Should have	Due date:	
Assignee:		% Done:	0%
Category:	Image Generation / GIFBUILDER	Estimated time:	0.00 hour
Target version:		Complexity:	
TYPO3 Version:	10	Is Regression:	
PHP Version:	7.2	Sprint Focus:	
Tags:			

Description

Image with crop set is JPEG compressed twice so it loses quality 2 times based on jpg_quality setting.

1st compress when crop is executed:

<https://github.com/TYPO3/TYPO3.CMS/blob/5275e76e4ae7e00a0bce59b8d458e547e427b92b/typo3/sysex/core/Classes/Resource/Processing/LocalCropScaleMaskHelper.php#L87>

2nd compress when scaling is executed:

<https://github.com/TYPO3/TYPO3.CMS/blob/5275e76e4ae7e00a0bce59b8d458e547e427b92b/typo3/sysex/core/Classes/Resource/Processing/LocalCropScaleMaskHelper.php#L118>

A solution could be to use a `$jpegQuality=100` the first time it's compressed if it will be compressed a second time (using the configured `jpg_quality`).

Related issues:

Related to TYPO3 Core - Bug #81796: LocalCropScaleMaskHelper does not respect...	Closed	2017-07-05
Related to TYPO3 Core - Bug #93085: Image Select and Image Cropping incorrect...	Closed	2020-12-16
Related to TYPO3 Core - Bug #93090: Image Cropping broken since TYPO3 10.4.11...	Closed	2020-12-16
Related to TYPO3 Core - Bug #93086: Distorted images in FE and BE after the u...	Closed	2020-12-16
Related to TYPO3 Core - Bug #93092: Weird visualization of thumbnails in CE a...	Closed	2020-12-16
Precedes TYPO3 Core - Bug #93139: Revert image processing	Closed	2020-07-24 2020-07-24

Associated revisions

Revision 844f024a - 2020-11-17 13:58 - Helmut Hummel

[BUGFIX] Process cropped images only once

To avoid loss of quality and spawning unnecessary imagemagick processes, cropping and scaling of images is now done with a single imagemagick process.

By doing so, the code for SVG processing is streamlined. SVG processing code can further be improved later, by putting it into a dedicated file processing task processor.

Releases: master, 10.4

Resolves: #91855

Change-Id: I3bf735e74dd46dec73431405f37616506747ccdf

Reviewed-on: <https://review.typo3.org/c/Packages/TYPO3.CMS/+/65187>

Tested-by: TYPO3com <noreply@typo3.com>

Tested-by: Markus Klein <markus.klein@typo3.org>

Tested-by: Benni Mack <benni@typo3.org>

Reviewed-by: Markus Klein <markus.klein@typo3.org>

Reviewed-by: Benni Mack <benni@typo3.org>

Revision d224f38a - 2020-11-17 14:18 - Helmut Hummel

[BUGFIX] Process cropped images only once

To avoid loss of quality and spawning unnecessary imagemagick processes, cropping and scaling of images is now done

with a single imagemagick process.

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SVG processing code can further be improved later,
by putting it into a dedicated file processing task processor.

Releases: master, 10.4
Resolves: #91855
Change-Id: I3bf735e74dd46dec73431405f37616506747ccdf
Reviewed-on: <https://review.typo3.org/c/Packages/TYPO3.CMS/+66672>
Tested-by: TYPO3com <noreply@typo3.com>
Tested-by: Benni Mack <benni@typo3.org>
Reviewed-by: Benni Mack <benni@typo3.org>

History

#1 - 2020-07-25 09:42 - Gerrit Code Review

- Status changed from New to Under Review

Patch set 2 for branch **master** of project **Packages/TYPO3.CMS** has been pushed to the review server.
It is available at <https://review.typo3.org/c/Packages/TYPO3.CMS/+65088>

#2 - 2020-07-25 09:42 - Gerrit Code Review

Patch set 3 for branch **master** of project **Packages/TYPO3.CMS** has been pushed to the review server.
It is available at <https://review.typo3.org/c/Packages/TYPO3.CMS/+65088>

#3 - 2020-07-25 09:44 - Gerrit Code Review

Patch set 4 for branch **master** of project **Packages/TYPO3.CMS** has been pushed to the review server.
It is available at <https://review.typo3.org/c/Packages/TYPO3.CMS/+65088>

#4 - 2020-07-25 09:48 - Gerrit Code Review

Patch set 5 for branch **master** of project **Packages/TYPO3.CMS** has been pushed to the review server.
It is available at <https://review.typo3.org/c/Packages/TYPO3.CMS/+65088>

#5 - 2020-07-29 14:20 - Helmut Hummel

- Related to Bug #81796: LocalCropScaleMaskHelper does not respect quality setting added

#6 - 2020-08-05 13:24 - Gerrit Code Review

Patch set 1 for branch **master** of project **Packages/TYPO3.CMS** has been pushed to the review server.
It is available at <https://review.typo3.org/c/Packages/TYPO3.CMS/+65187>

#7 - 2020-08-05 13:26 - Gerrit Code Review

Patch set 2 for branch **master** of project **Packages/TYPO3.CMS** has been pushed to the review server.
It is available at <https://review.typo3.org/c/Packages/TYPO3.CMS/+65187>

#8 - 2020-08-05 13:58 - Gerrit Code Review

Patch set 3 for branch **master** of project **Packages/TYPO3.CMS** has been pushed to the review server.
It is available at <https://review.typo3.org/c/Packages/TYPO3.CMS/+65187>

#9 - 2020-08-05 17:03 - Gerrit Code Review

Patch set 4 for branch **master** of project **Packages/TYPO3.CMS** has been pushed to the review server.
It is available at <https://review.typo3.org/c/Packages/TYPO3.CMS/+65187>

#10 - 2020-08-07 14:06 - Gerrit Code Review

Patch set 5 for branch **master** of project **Packages/TYPO3.CMS** has been pushed to the review server.
It is available at <https://review.typo3.org/c/Packages/TYPO3.CMS/+65187>

#11 - 2020-08-07 14:10 - Gerrit Code Review

Patch set 6 for branch **master** of project **Packages/TYPO3.CMS** has been pushed to the review server.
It is available at <https://review.typo3.org/c/Packages/TYPO3.CMS/+65187>

#12 - 2020-08-07 14:36 - Gerrit Code Review

Patch set 7 for branch **master** of project **Packages/TYPO3.CMS** has been pushed to the review server.

It is available at <https://review.typo3.org/c/Packages/TYPO3.CMS/+65187>

#13 - 2020-08-22 15:47 - Gerrit Code Review

Patch set 8 for branch **master** of project **Packages/TYPO3.CMS** has been pushed to the review server.
It is available at <https://review.typo3.org/c/Packages/TYPO3.CMS/+65187>

#14 - 2020-08-22 16:04 - Gerrit Code Review

Patch set 9 for branch **master** of project **Packages/TYPO3.CMS** has been pushed to the review server.
It is available at <https://review.typo3.org/c/Packages/TYPO3.CMS/+65187>

#15 - 2020-09-07 11:47 - Gerrit Code Review

Patch set 10 for branch **master** of project **Packages/TYPO3.CMS** has been pushed to the review server.
It is available at <https://review.typo3.org/c/Packages/TYPO3.CMS/+65187>

#16 - 2020-09-07 11:56 - Gerrit Code Review

Patch set 11 for branch **master** of project **Packages/TYPO3.CMS** has been pushed to the review server.
It is available at <https://review.typo3.org/c/Packages/TYPO3.CMS/+65187>

#17 - 2020-10-06 19:43 - Gerrit Code Review

Patch set 12 for branch **master** of project **Packages/TYPO3.CMS** has been pushed to the review server.
It is available at <https://review.typo3.org/c/Packages/TYPO3.CMS/+65187>

#18 - 2020-11-17 13:58 - Gerrit Code Review

Patch set 1 for branch **10.4** of project **Packages/TYPO3.CMS** has been pushed to the review server.
It is available at <https://review.typo3.org/c/Packages/TYPO3.CMS/+66672>

#19 - 2020-11-17 14:06 - Helmut Hummel

- Status changed from *Under Review* to *Resolved*
- % Done changed from 0 to 100

Applied in changeset [844f024a24311acb18044f11b95c60bbd2da3dc8](#).

#20 - 2020-12-17 07:48 - Markus Klein

- Related to Bug #93085: *Image Select and Image Cropping incorrect after TYPO3 update to v10.4.11 added*

#21 - 2020-12-17 07:49 - Markus Klein

- Related to Bug #93090: *Image Cropping broken since TYPO3 10.4.11 release added*

#22 - 2020-12-17 07:51 - Markus Klein

- Related to Bug #93086: *Distorted images in FE and BE after the update to 10.4.11 added*

#23 - 2020-12-17 07:52 - Markus Klein

- Related to Bug #93092: *Weird visualization of thumbnails in CE after upgrading to 10.4.11 added*

#24 - 2020-12-21 16:06 - Benni Mack

- Precedes Bug #93139: *Revert image processing added*

#25 - 2020-12-21 18:54 - Markus Klein

- Status changed from *Resolved* to *Accepted*
- % Done changed from 100 to 0

Reopened so patch can be repushed.

#26 - 2020-12-21 23:54 - Gerrit Code Review

- Status changed from *Accepted* to *Under Review*

Patch set 1 for branch **master** of project **Packages/TYPO3.CMS** has been pushed to the review server.
It is available at <https://review.typo3.org/c/Packages/TYPO3.CMS/+67234>

#27 - 2020-12-22 16:16 - Gerrit Code Review

Patch set 2 for branch **master** of project **Packages/TYPO3.CMS** has been pushed to the review server.
It is available at <https://review.typo3.org/c/Packages/TYPO3.CMS/+67234>

#28 - 2021-01-12 10:10 - Oleg Karun

- File *5y1nX.png* added

#29 - 2021-11-29 13:13 - Gerrit Code Review

Patch set 3 for branch **main** of project **Packages/TYPO3.CMS** has been pushed to the review server.
It is available at <https://review.typo3.org/c/Packages/TYPO3.CMS/+67234>

Files

5y1nX.png	248 KB	2021-01-12	Oleg Karun
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