

## Core - Bug # 51562

Task # 50876 (New): Handling of deleted files in FAL

<b>Status:</b>	Resolved	<b>Priority:</b>	Should have		
<b>Author:</b>	Francois Suter	<b>Category:</b>	File Abstraction Layer (FAL)		
<b>Created:</b>	2013-08-30	<b>Assigned To:</b>	Ernesto Baschny		
<b>Updated:</b>	2013-09-11	<b>Due date:</b>			
<b>TYPO3 Version:</b>	6.1				
<b>PHP Version:</b>	5.3				
<b>Complexity:</b>					
<b>Is Regression:</b>	No				
<b>Sprint Focus:</b>					
<b>Subject:</b>	sys_file records marked as deleted crash file list (AKA: remove sys_file.deleted flag)				
<b>Description</b>					
<p>If some sys_file records have their "deleted" flag set to 1, the File &gt; Filelist module will crash with exception "No file found for given UID". It seems like the deleted flag is not used anymore, but was obviously used at some point in the past, since I have a few records with such a status in my database. I guess I'm not the only one.</p> <p>Reproducing the error condition is easy: access the sys_file table in some DB management tool, set the deleted flag of some file to 1 and try to access the folder where it is stored in the File module. This results in an exception.</p> <p>I'm not sure how this is best corrected. I have seen that there's an intention to drop the deleted flag entirely, which seems fine if it is not used anyway, but that would be for 6.2 only. Something must be done for 6.0 and 6.1.</p>					
<b>Related issues:</b>					
related to Core - Bug # 52245: Revert BackendUtility::BEenableFields in FAL		<b>Rejected</b>	<b>2013-09-25</b>		
blocks Core - Bug # 51929: Creation of sys_file-table fails due to incorrect key		<b>Resolved</b>	<b>2013-09-12</b>		

### Associated revisions

**Revision fcc250f5 - 2013-09-11 14:31 - Ernesto Baschny**

[TASK] Remove sys\_file.deleted flag and it's usage

This also fixes the 'Uncaught TYPO3 Exception #1317178604 No file found for given UID.' that appears when some sys\_file entries have a deleted flag set by mistake.

Resolves: #51562

Releases: 6.2, 6.1, 6.0

Change-Id: Id23636d2732f3562b8a155025656b26041c9a4e2

Reviewed-on: <https://review.typo3.org/23567>

Reviewed-by: Frans Saris

Tested-by: Frans Saris

Reviewed-by: Wouter Wolters

Reviewed-by: Stefan Neufeind

Tested-by: Stefan Neufeind

**Revision cc7bde67 - 2013-09-11 15:46 - Ernesto Baschny**

[TASK] Remove sys\_file.deleted flag and it's usage

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No file found for given UID.' that appears when some sys\_file  
entries have a deleted flag set by mistake.

Resolves: #51562

Releases: 6.2, 6.1, 6.0

Change-Id: Id23636d2732f3562b8a155025656b26041c9a4e2

Reviewed-on: <https://review.typo3.org/23742>

Reviewed-by: Stefan Neufeind

Tested-by: Stefan Neufeind

#### **Revision 5db38d38 - 2013-09-11 15:55 - Ernesto Baschny**

[TASK] Remove sys\_file.deleted flag and it's usage

This also fixes the 'Uncaught TYPO3 Exception #1317178604  
No file found for given UID.' that appears when some sys\_file  
entries have a deleted flag set by mistake.

Resolves: #51562

Releases: 6.2, 6.1, 6.0

Change-Id: Id23636d2732f3562b8a155025656b26041c9a4e2

Reviewed-on: <https://review.typo3.org/23748>

Reviewed-by: Stefan Neufeind

Tested-by: Stefan Neufeind

#### **Revision 6ebc13a4 - 2013-09-11 18:59 - Anja Leichsenring**

[BUGFIX] Move forgotten getEnvironmentMode()

getWhereClauseForEnabledFields() moved from StorageRepository  
to AbstractRepository, but getEnvironmentMode() stayed  
in StorageRepository although getWhereClauseForEnabledFields()  
relies on it. Move getEnvironmentMode() as well.

Change-Id: Id252c8bd3b9e09a2c38d5ea1ebe6497dd76c12ae

Resolves: #51562

Releases: 6.2, 6.1, 6.0

Reviewed-on: <https://review.typo3.org/23759>

Reviewed-by: Helmut Hummel

Tested-by: Helmut Hummel

#### **Revision 322bbef7 - 2013-09-11 19:00 - Anja Leichsenring**

[BUGFIX] Move forgotten getEnvironmentMode()

getWhereClauseForEnabledFields() moved from StorageRepository  
to AbstractRepository, but getEnvironmentMode() stayed  
in StorageRepository although getWhereClauseForEnabledFields()  
relies on it. Move getEnvironmentMode() as well.

Change-Id: Id252c8bd3b9e09a2c38d5ea1ebe6497dd76c12ae  
Resolves: #51562  
Releases: 6.2, 6.1, 6.0  
Reviewed-on: <https://review.typo3.org/23760>  
Reviewed-by: Helmut Hummel  
Tested-by: Helmut Hummel

#### **Revision 1831c954 - 2013-09-11 19:00 - Anja Leichsenring**

[BUGFIX] Move forgotten getEnvironmentMode()

getWhereClauseForEnabledFields() moved from StorageRepository to AbstractRepository, but getEnvironmentMode() stayed in StorageRepository although getWhereClauseForEnabledFields() relies on it. Move getEnvironmentMode() as well.

Change-Id: Id252c8bd3b9e09a2c38d5ea1ebe6497dd76c12ae  
Resolves: #51562  
Releases: 6.2, 6.1, 6.0  
Reviewed-on: <https://review.typo3.org/23761>  
Reviewed-by: Helmut Hummel  
Tested-by: Helmut Hummel

## **History**

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### **#1 - 2013-08-30 14:23 - Steffen Ritter**

all access to the deleted flag in FAL needs to be removed, as well as it's definition in TCA ctrl section and for 6.2 even the sql field itself

This has been defined on the FAL Sprint in Mainz - it just did not happen yet. The missing file handling has been done before.

The patch should be straight forward.

History:

In the original FAL the deleted flag of the table was not part of the concept - the property in the object actually has the same name than the database field which lead to the mistake that it was persisted or people thought it was the same. By thinking fixing it, people started taking care of the flag which lead to errors and now an undefined state

### **#2 - 2013-08-30 14:28 - Alexander Opitz**

Please can you post a backtrace and which Typo3 6.1 version do you use.

### **#3 - 2013-08-30 14:30 - Alexander Opitz**

@Steffen

Will this change backported to 6.0/6.1? As it may break extensions.

### **#4 - 2013-08-30 14:35 - Francois Suter**

Alexander Opitz wrote:

*Please can you post a backtrace and which TYPO3 6.1 version do you use.*

Version is 6.1.3 (the same happens with 6.1-dev). Here's the backtrace:

Uncaught TYPO3 Exception

#1317178604: No file found for given UID. (More information)

TYPO3\CMS\Core\Resource\Exception\FileDoesNotExistException thrown in file  
/usr/local/src/typo3/TYPO3\_6-1/typo3/sysext/core/Classes/Resource/ResourceFactory.php in line 281.

11 TYPO3\CMS\Core\Resource\ResourceFactory::getFileObject(139)

/usr/local/src/typo3/TYPO3\_6-1/typo3/sysext/core/Classes/Resource/ProcessedFileRepository.php:

00094: \*/

00095: protected function createDomainObject(array \$databaseRow) {

00096: \$originalFile = \$this->resourceFactory->getFileObject(intval(\$databaseRow['original']));

00097: \$originalFile->setStorage(\$this->resourceFactory->getStorageObject(\$originalFile->getProperty('storage')));

00098: \$taskType = \$databaseRow['task\_type'];

10 TYPO3\CMS\Core\Resource\ProcessedFileRepository::createDomainObject(array)

/usr/local/src/typo3/TYPO3\_6-1/typo3/sysext/core/Classes/Resource/ProcessedFileRepository.php:

00159:

00160: if (is\_array(\$databaseRow)) {

00161: \$processedFile = \$this->createDomainObject(\$databaseRow);

00162: } else {

00163: \$processedFile = \$this->createNewProcessedFileObject(\$file, \$taskType, \$configuration);

9

TYPO3\CMS\Core\Resource\ProcessedFileRepository::findOneByOriginalFileAndTaskTypeAndConfiguration(TYPO3\CMS\Core\Resource\File, "Image.Pre  
e, "Image.Preview", array)

/usr/local/src/typo3/TYPO3\_6-1/typo3/sysext/core/Classes/Resource/Service/FileProcessingService.php:

00091: \$processedFileRepository = Utility\GeneralUtility::makeInstance('TYPO3\CMS\Core\Resource\ProcessedFileRepository');

00092:

00093: \$processedFile = \$processedFileRepository->findOneByOriginalFileAndTaskTypeAndConfiguration(\$fileObject, \$taskType,  
\$configuration);

00094:

00095: // set the storage of the processed file

8 TYPO3\CMS\Core\Resource\Service\FileProcessingService::processFile(TYPO3\CMS\Core\Resource\File,  
TYPO3\CMS\Core\Resource\ResourceStorage, "Image.Preview", array)

/usr/local/src/typo3/TYPO3\_6-1/typo3/sysext/core/Classes/Resource/ResourceStorage.php:

00788: throw new \InvalidArgumentException('Cannot process files of foreign storage', 1353401835);

00789: }

00790: \$processedFile = \$this->getFileProcessingService()->processFile(\$fileObject, \$this, \$context, \$configuration);

00791:

00792: return \$processedFile;

7 TYPO3\CMS\Core\Resource\ResourceStorage::processFile(TYPO3\CMS\Core\Resource\File, "Image.Preview", array)

/usr/local/src/typo3/TYPO3\_6-1/typo3/sysex/core/Classes/Resource/File.php:

```
00291: */
00292: public function process($taskType, array $configuration) {
00293:     return $this->getStorage()->processFile($this, $taskType, $configuration);
00294: }
00295:
```

6 TYPO3\CMS\Core\Resource\File::process("Image.Preview", array)

/usr/local/src/typo3/TYPO3\_6-1/typo3/sysex/filelist/Classes/FileList.php:

```
00620:     // Thumbnails?
00621:     if ($this->thumbs && $this->isImage($ext)) {
00622:         $processedFile = $fileObject->process(\TYPO3\CMS\Core\Resource\ProcessedFile::CONTEXT_IMAGEPREVIEW, array());
00623:         if ($processedFile) {
00624:             $thumbUrl = $processedFile->getPublicUrl(TRUE);
```

5 TYPO3\CMS\Filelist\FileList::formatFileList(array, "file")

/usr/local/src/typo3/TYPO3\_6-1/typo3/sysex/filelist/Classes/FileList.php:

```
00351: }
00352: // Files are added
00353: $iOut .= $this->formatFileList($files, $titleCol);
00354: // Header line is drawn
00355: $theData = array();
```

4 TYPO3\CMS\Filelist\FileList::getTable("fileext,tstamp,size,rw,\_REF\_")

/usr/local/src/typo3/TYPO3\_6-1/typo3/sysex/filelist/Classes/FileList.php:

```
00197: */
00198: public function generateList() {
00199:     $this->HTMLcode .= $this->getTable('fileext,tstamp,size,rw,_REF_');
00200: }
00201:
```

3 TYPO3\CMS\Filelist\FileList::generateList()

/usr/local/src/typo3/TYPO3\_6-1/typo3/sysex/filelist/Classes/Controller/FileListController.php:

```
00288: $this->filelist->start($this->folderObject, $this->pointer, $this->MOD_SETTINGS['sort'], $this->MOD_SETTINGS['reverse'],
    $this->MOD_SETTINGS['clipboard'], $this->MOD_SETTINGS['bigControlPanel']);
00289: // Generate the list
00290: $this->filelist->generateList();
00291: // Write the footer
00292: $this->filelist->writeBottom();
```

2 TYPO3\CMS\Filelist\Controller\FileListController::main()

/usr/local/src/typo3/TYPO3\_6-1/typo3/sysex/filelist/mod1/index.php:

```
00044: $SOBE = \TYPO3\CMS\Core\Utility\GeneralUtility::makeInstance('TYPO3\CMS\Filelist\Controller\FileListController');
00045: $SOBE->init();
00046: $SOBE->main();
00047: $SOBE->printContent();
```

00048: ?>

```
1 require("/usr/local/src/typo3/TYPO3_6-1/typo3/sysexst/filelist/mod1/index.php")
```

```
/usr/local/src/typo3/TYPO3_6-1/typo3/mod.php:
```

```
00039: require $temp_path . 'conf.php';
```

```
00040: $BACK_PATH = ";
```

```
00041: require $temp_path . 'index.php';
```

```
00042: $isDispatched = TRUE;
```

```
00043: } else {
```

#### **#5 - 2013-09-03 22:17 - Ernesto Baschny**

- Status changed from New to Accepted

#48336 introduced (mis)using the "deleted" flag. It was included in 6.0.7 and 6.1.2.

This was later reverted in 6.0.8 and 6.1.3.

So if you had one of 6.0.7 or 6.1.2 installed for some time you might have gotten "deleted" flag being set.

I propose that we remove the flag that was introduced as a misconception and stick to the rules set up in task #50876 which is what we decided in FAL Code Sprint in Mainz. So we should backport the removal of this flag also in 6.1 and 6.0. I don't expect "extensions to break". If yes, they have to adapt, because it's not worth really to support two separate "ways" of dealing with it.

#### **#6 - 2013-09-03 22:17 - Gerrit Code Review**

- Status changed from Accepted to Under Review

Patch set 1 for branch **master** has been pushed to the review server.

It is available at <https://review.typo3.org/23567>

#### **#7 - 2013-09-03 22:20 - Ernesto Baschny**

- Parent task set to #50876

#### **#8 - 2013-09-03 22:23 - Ernesto Baschny**

- Subject changed from *sys\_file records marked as deleted crash file list* to *sys\_file records marked as deleted crash file list (AKA: remove sys\_file.deleted flag)*

#### **#9 - 2013-09-06 16:51 - Ernesto Baschny**

- Assigned To set to Ernesto Baschny

- Is Regression set to No

#### **#10 - 2013-09-06 17:00 - Gerrit Code Review**

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

It is available at <https://review.typo3.org/23567>

**#11 - 2013-09-08 14:23 - Gerrit Code Review**

Patch set 3 for branch **master** has been pushed to the review server.  
It is available at <https://review.typo3.org/23567>

**#12 - 2013-09-11 14:33 - Stefan Neufeind**

!!! still needs a follow-up for 6.2 to remove the field completely

**#13 - 2013-09-11 14:40 - Stefan Neufeind**

removing that field was included in the patch - will take that into account for the backports then

**#14 - 2013-09-11 14:41 - Gerrit Code Review**

Patch set 1 for branch **TYPO3\_6-1** has been pushed to the review server.  
It is available at <https://review.typo3.org/23742>

**#15 - 2013-09-11 15:30 - Ernesto Baschny**

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

Applied in changeset commit:fcc250f505db18f8a4bf2ff908e577abd918f283.

**#16 - 2013-09-11 15:43 - Gerrit Code Review**

- *Status changed from Resolved to Under Review*

Patch set 2 for branch **TYPO3\_6-1** has been pushed to the review server.  
It is available at <https://review.typo3.org/23742>

**#17 - 2013-09-11 15:55 - Gerrit Code Review**

Patch set 1 for branch **TYPO3\_6-0** has been pushed to the review server.  
It is available at <https://review.typo3.org/23748>

**#18 - 2013-09-11 16:30 - Ernesto Baschny**

- *Status changed from Under Review to Resolved*

Applied in changeset commit:5db38d3814c3c504817fd0bdeb612c84099f9168.

**#19 - 2013-09-11 18:10 - Gerrit Code Review**

- Status changed from Resolved to Under Review

Patch set 1 for branch **TYPO3\_6-0** has been pushed to the review server.  
It is available at <https://review.typo3.org/23758>

**#20 - 2013-09-11 18:51 - Gerrit Code Review**

Patch set 1 for branch **master** has been pushed to the review server.  
It is available at <https://review.typo3.org/23759>

**#21 - 2013-09-11 18:58 - Gerrit Code Review**

Patch set 2 for branch **master** has been pushed to the review server.  
It is available at <https://review.typo3.org/23759>

**#22 - 2013-09-11 18:59 - Gerrit Code Review**

Patch set 1 for branch **TYPO3\_6-1** has been pushed to the review server.  
It is available at <https://review.typo3.org/23760>

**#23 - 2013-09-11 18:59 - Gerrit Code Review**

Patch set 1 for branch **TYPO3\_6-0** has been pushed to the review server.  
It is available at <https://review.typo3.org/23761>

**#24 - 2013-09-11 19:30 - Anja Leichenring**

- Status changed from Under Review to Resolved

Applied in changeset commit:1831c9542694d1c9456cdc591a0529afae4ad591.