TYPO3 Core - Bug #85020

QueryGenerator interprets string as date

2018-05-16 11:32 - Ralph Brugger

Status:	Closed		**Start date:**	2018-05-16
Priority:	Must have		**Due date:**	
Assignee:			**% Done:**	100%
Category:			**Estimated time:**	0.00 hour
Target version:	Candidate for patchlevel			
TYPO3 Version:	8		**Complexity:**	
PHP Version:	7.1		**Is Regression:**	
Tags:			**Sprint Focus:**	

Description

Using the diect_mail Special Queries for recipients, we're getting strnage Queries:

Make Query:

```
pid equals 2192
```

results in;

```
SELECT `uid`, `pid`, `deleted` FROM `tt_address` WHERE (pid = '7017444703') AND (`tt_address`.`del
eted` = 0)
```

so the pid-value form the form (2192) will be interpreted as a date / year:

16.05.2192 11:11:43

2192 is the year, the rest is the current date ...

Debugging in direct_mail:

```
$whereClause = $queryGenerator->getQuery($queryGenerator->queryConfig) . BackendUtility::deleteCla
use($table);
\TYPO3\CMS\Core\Utility\DebugUtility::debug($queryGenerator->queryConfig, 'queryConfig');
array(1 item)
   0 => array(5 items)
      operator => '' (0 chars)
      type => 'FIELD_pid' (9 chars)
      comparison => 6 (integer)
      inputValue => '2192' (4 chars)
      inputValue1 => NULL

\TYPO3\CMS\Core\Utility\DebugUtility::debug($whereClause, 'whereClause');
' pid = '7017444089' AND `tt_address`.`deleted` = 0' (50 chars)
```

The value is 2192 (string) and the comparison is set to 6.

```
QueryGenerator.php
comparison
    // Type = text       offset = 0
    ...
    '6_' => 'equals',
```

So "6" should be the right value it's a string. But not a date.

```
QueryGenerator.php

    public function getQuery($queryConfig, $pad = '')
```

```
        {
            ...

            foreach ($queryConfig as $key => $conf) {
                // Convert ISO-8601 timestamp (string) into unix timestamp (int)
                if (strtotime($conf['inputValue'])) {
                    $conf['inputValue'] = strtotime($conf['inputValue']);
                    if ($conf['inputValue1'] && strtotime($conf['inputValue1'])) {
                        $conf['inputValue1'] = strtotime($conf['inputValue1']);
                    }
                }
            }

            ...
```

in QueryGenerator::getQuery it will be always tried to get a strtotime value from the input value.
It doesn't matter which comparison-value is set.

```
comparison
    // Type = text       offset = 0
    ...
    '6_' => 'equals',

    // Type = date,time  offset = 96
    '96_' => 'equals',
    '97_' => 'does not equal',
    '98_' => 'is greater than',
    '99_' => 'is less than',
    '100_' => 'is between',
    '101_' => 'is not between',
    '102_' => 'binary AND equals',
    '103_' => 'binary AND does not equal',
    '104_' => 'binary OR equals',
    '105_' => 'binary OR does not equal',
```

AFAIR strtotime should only be done when the comparison is for dateime types:

```
    if (intval($conf['comparison']) >= 96 && intval($conf['comparison']) <= 105){
        if (strtotime($conf['inputValue'])) {
            $conf['inputValue'] = strtotime($conf['inputValue']);
            if ($conf['inputValue1'] && strtotime($conf['inputValue1'])) {
                $conf['inputValue1'] = strtotime($conf['inputValue1']);
            }
        }
    }
```

?

Associated revisions

Revision a85bdcae - 2019-09-11 13:45 - Sascha Egerer

[BUGFIX] Check date format before conversion in module "DB check"

With the change in https://forge.typo3.org/issues/83675 every value could
be converted into a unix timestamp, which leads to incorrect conversions
in some cases e.g. if an interger value like a pid 5134 is passed to the
method.

Releases: master, 9.5
Resolves: #84588
Resolves: #85020
Change-Id: Id92367bae3085015399ed89531c019e8aacd6510
Reviewed-on: https://review.typo3.org/c/Packages/TYPO3.CMS/+/56530
Tested-by: TYPO3com <noreply@typo3.com>
Tested-by: Frank Nägler <frank.naegler@typo3.org>
Tested-by: Susanne Moog <look@susi.dev>
Reviewed-by: Andreas Fernandez <a.fernandez@scripting-base.de>
Reviewed-by: Frank Nägler <frank.naegler@typo3.org>
Reviewed-by: Susanne Moog <look@susi.dev>

Revision 1ef8bc4f - 2019-09-11 14:22 - Sascha Egerer

[BUGFIX] Check date format before conversion in module "DB check"

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Releases: master, 9.5
Resolves: #84588
Resolves: #85020
Change-Id: ld92367bae3085015399ed89531c019e8aacd6510
Reviewed-on: https://review.typo3.org/c/Packages/TYPO3.CMS/+/61609
Tested-by: TYPO3com <noreply@typo3.com>
Tested-by: Susanne Moog <look@susi.dev>
Reviewed-by: Susanne Moog <look@susi.dev>

History

#1 - 2018-06-12 10:24 - Benni Mack

- Target version changed from 8.7.13 to 8.7.19

#2 - 2018-09-06 14:55 - Susanne Moog

- Target version changed from 8.7.19 to Candidate for patchlevel

#3 - 2019-03-24 15:10 - Gerrit Code Review

- Status changed from New to Under Review

Patch set 17 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/+/56530

#4 - 2019-07-29 15:45 - Gerrit Code Review

Patch set 18 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/+/56530

#5 - 2019-07-29 16:05 - Gerrit Code Review

Patch set 19 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/+/56530

#6 - 2019-07-29 16:08 - Gerrit Code Review

Patch set 20 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/+/56530

#7 - 2019-09-11 13:45 - Gerrit Code Review

Patch set 1 for branch **9.5** of project **Packages/TYPO3.CMS** has been pushed to the review server.
It is available at https://review.typo3.org/c/Packages/TYPO3.CMS/+/61609

#8 - 2019-09-11 14:00 - Sascha Egerer

- Status changed from Under Review to Resolved

- % Done changed from 0 to 100

Applied in changeset a85bdcae252651049dfcec6cbcd8704d2dee94aa.

#9 - 2019-12-23 22:48 - Benni Mack

- Status changed from Resolved to Closed

#10 - 2021-04-13 10:20 - Gerrit Code Review

- Status changed from Closed to Under Review

Patch set 1 for branch **TYPO3_8-7** of project **Packages/TYPO3.CMS** has been pushed to the review server.
It is available at https://review.typo3.org/c/Packages/TYPO3.CMS/+/68770

#11 - 2021-08-14 13:03 - Tymoteusz Motylewski

- Status changed from Under Review to Closed