Enable proper quoting of database fields in Typoscript

2017-03-28 05:18 - Morton Jonuschat

Status: Closed
Priority: Should have
Assignee: Morton Jonuschat
Category: TypoScript
Target version: 8 LTS
TYPO3 Version: 8
PHP Version: 7.1

Description
With Doctrine supporting multiple databases using different quote character it's required to be able to use the appropriate Quoting in Typoscript.

Related issues:
Related to TYPO3 Core - Bug #81492: Proper quoting of database identifiers in... Closed 2017-06-07
Related to TYPO3 Core - Bug #81751: LiveSearch in Backend broken using Postgr... Closed 2017-06-30
Duplicated by TYPO3 Core - Bug #80046: FE broken with postgres Closed 2017-02-27

Associated revisions
Revision d12cb4ec - 2017-03-30 21:56 - Morton Jonuschat
[TASK] Allow proper quoting of database identifiers in TypoScript

Add markup to Typoscript CONTENT object options dealing with database fields so that SQL fragments can be created in a DBMS agnostic way using the proper quoting for the active database.

Parsing in `sortBy` and `groupBy` is disabled as these parameters already follow a stricter syntax that allow automatic parsing and quoting.

Usage Example: `select.where = (#colPos)=0`

Change-id: I95592b82de08e6cb6f9e952e6c456417878c23a8
Resolves: #80506
Releases: master
Reviewed-on: https://review.typo3.org/52204
Tested-by: TYPO3com <no-reply@typo3.com>
Reviewed-by: Frank Naegler <frank.naegler@typo3.org>
Tested-by: Frank Naegler <frank.naegler@typo3.org>
Reviewed-by: Daniel Goerz <ervaude@gmail.com>
Reviewed-by: Christian Kuhn <lolli@schwarzbu.ch>
Tested-by: Christian Kuhn <lolli@schwarzbu.ch>
Revision c8b3703e - 2017-06-20 12:45 - Jigal van Hemert

[BUGFIX] Skip quoted fields in insertData

While parsing the input value for expressions inside curly brackets it must skip quoted field names which are also in curly brackets but start with a '#'.

Resolves: #81492
Related: #80506
Releases: master, 8.7
Change-id: lc58fcdcb68108ac77da746db3e6a442515ce7ea
Reviewed-on: https://review.typo3.org/53172
Tested-by: TYPO3com <no-reply@typo3.com>
Reviewed-by: Anja Leichsenring <anja.leichsenring@typo3.com>
Tested-by: Anja Leichsenring <anja.leichsenring@typo3.com>
Reviewed-by: Christian Kuhn <lolli@schwarzbu.ch>
Tested-by: Christian Kuhn <lolli@schwarzbu.ch>

Revision 109e0c02 - 2017-06-20 13:03 - Jigal van Hemert

[BUGFIX] Skip quoted fields in insertData

While parsing the input value for expressions inside curly brackets it must skip quoted field names which are also in curly brackets but start with a '#'.

Resolves: #81492
Related: #80506
Releases: master, 8.7
Change-id: lc58fcdcb68108ac77da746db3e6a442515ce7ea
Reviewed-on: https://review.typo3.org/53277
Tested-by: TYPO3com <no-reply@typo3.com>
Reviewed-by: Christian Kuhn <lolli@schwarzbu.ch>
Tested-by: Christian Kuhn <lolli@schwarzbu.ch>

Revision 91aa1488 - 2017-11-30 15:38 - Stephan Großberndt

[BUGFIX] Make quoting of SQL fragments in TCA possible

The table and column name quoting method {#tableName}.{#columnName} introduced for TypoScript in issue #80506 is now used to quote identifiers in TCA column definitions known to possibly contain SQL fragments. Missing quotes for identifiers containing e.g. uppercase letters lead to exceptions when performing a query in PostgreSQL.
In order to achieve this a new Class TcaPreparation is added as this is not a typical TcaMigration.

Releases: master, 8.7
Resolved: #81751
Related: #80506
Change-Id: i230be317c7088e5de5343634fac507b4ab994b28
Reviewed-on: https://review.typo3.org/53360
Reviewed-by: Susanne Moog <susanne.moog@typo3.org>
Tested-by: TYPO3com <no-reply@typo3.com>
Reviewed-by: Andreas Wolf <andreas.wolf@typo3.org>
Tested-by: Andreas Wolf <andreas.wolf@typo3.org>

Revision 86481c37 - 2017-11-30 15:40 - Stephan Großberndt

[BUGFIX] Make quoting of SQL fragments in TCA possible

The table and column name quoting method `{#tableName}.{#columnName}` introduced for TypoScript in issue #80506 is now used to quote identifiers in TCA column definitions known to possibly contain SQL fragments. Missing quotes for identifiers containing e.g. uppercase letters lead to exceptions when performing a query in PostgreSQL.

In order to achieve this a new Class TcaPreparation is added as this is not a typical TcaMigration.

Releases: master, 8.7
Resolved: #81751
Related: #80506
Change-Id: i230be317c7088e5de5343634fac507b4ab994b28
(cherry picked from commit 91aa14884b6526dc664b6472baa27e9d802b09fc)
Reviewed-on: https://review.typo3.org/54889
Reviewed-by: Andreas Wolf <andreas.wolf@typo3.org>
Tested-by: Andreas Wolf <andreas.wolf@typo3.org>

History

#1 - 2017-03-28 05:46 - Gerrit Code Review
- Status changed from New 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/52204
#2 - 2017-03-28 06:05 - 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/52204](https://review.typo3.org/52204)

#3 - 2017-03-28 06:53 - 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/52204](https://review.typo3.org/52204)

#4 - 2017-03-30 19:36 - Christian Kuhn
- Sprint Focus set to Stabilization Sprint

#5 - 2017-03-30 21:09 - 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/52204](https://review.typo3.org/52204)

#6 - 2017-03-30 22:00 - Morton Jonuschat
- Status changed from Under Review to Resolved
- % Done changed from 0 to 100

Applied in changeset d12cb4ec1a014d1e2e22be18686af0ae23ffbb42.

#7 - 2017-06-07 07:28 - Josef Glatz
- Related to Bug #81492: Proper quoting of database identifiers in TypoScript doesn't work with stdWrap insertData added

#8 - 2017-06-30 08:30 - Stephan Großberndt
- Related to Bug #81751: LiveSearch in Backend broken using PostgreSQL added

#9 - 2017-10-17 23:29 - Riccardo De Contardi
- Status changed from Resolved to Closed