

## TYPO3 Core - Feature #77643

Epic # 75555 (Closed): Further Doctrine Development

### Reimplement SqlSchemaMigrationService using SchemaManager

2016-08-25 19:38 - Morton Jonuschat

<b>Status:</b>	Closed	<b>Start date:</b>	2016-08-25
<b>Priority:</b>	Must have	<b>Due date:</b>	
<b>Assignee:</b>	Morton Jonuschat	<b>% Done:</b>	100%
<b>Category:</b>	Database API (Doctrine DBAL)	<b>Estimated time:</b>	0.00 hour
<b>Target version:</b>	8.4	<b>Complexity:</b>	
<b>PHP Version:</b>	7.0	<b>Sprint Focus:</b>	
<b>Tags:</b>			
<b>Description</b>			
<b>Related issues:</b>			
Related to TYPO3 Core - Feature #75205: Extension Development, ext_tables.sql...		<b>Closed</b>	<b>2016-03-21</b>
Related to TYPO3 Core - Feature #44991: DB table COLLATION: disabled for ext_...		<b>Closed</b>	<b>2013-01-30</b>
Related to TYPO3 Core - Bug #76508: Comparison of NOT NULL fields without a d...		<b>Closed</b>	<b>2016-06-07</b>
Related to TYPO3 Core - Bug #76641: Database compare and "NULL default NULL" ...		<b>Closed</b>	<b>2016-06-15</b>

#### Associated revisions

##### Revision 2ba08444 - 2016-08-31 22:28 - Morton Jonuschat

[FEATURE] Doctrine: Implement SchemaMigrationService

Implement a SQL schema migration service based on an actual parser for CREATE TABLE statements that are mapped to Doctrine Table objects. This enables the use of the Doctrine DBAL SchemaManager for all schema modifications.

The new Schema migration service is fully aware of multiple database connections and normalizes MySQL specific data types to standard compliant types. This mostly affects the TINYINT data type which gets converted to a SMALLINT.

Resolves: #77643  
Resolves: #77369  
Resolves: #76508  
Resolves: #76641  
Resolves: #75205  
Resolves: #71645  
Resolves: #44991  
Releases: master  
Change-Id: lc56941c2ae9717836d89bce74261d11424da340b  
Reviewed-on: <https://review.typo3.org/49593>  
Tested-by: Bamboo TYPO3com <[info@typo3.com](mailto:info@typo3.com)>  
Reviewed-by: Christian Kuhn <[lolli@schwarzbu.ch](mailto:lolli@schwarzbu.ch)>  
Tested-by: Christian Kuhn <[lolli@schwarzbu.ch](mailto:lolli@schwarzbu.ch)>  
Reviewed-by: Georg Ringer <[georg.ringer@gmail.com](mailto:georg.ringer@gmail.com)>  
Tested-by: Georg Ringer <[georg.ringer@gmail.com](mailto:georg.ringer@gmail.com)>  
Reviewed-by: Wouter Wolters <[typo3@wouterwolters.nl](mailto:typo3@wouterwolters.nl)>  
Tested-by: Wouter Wolters <[typo3@wouterwolters.nl](mailto:typo3@wouterwolters.nl)>

##### Revision 94707d68 - 2016-09-01 10:43 - Morton Jonuschat

[FOLLOWUP][FEATURE] Doctrine: Implement SchemaMigrationService

Rename SchemaMigrator test case file, use proper namespace and change table names in the functional tests to use an all lowercase table name to fix test failures on Windows.

Change-Id: I30e2c5d03261a3fbcfce473ac02a134a7ba4ca4a  
Resolves: #77643  
Releases: master

Reviewed-on: <https://review.typo3.org/49701>  
Reviewed-by: Wouter Wolters <[typo3@wouterwolters.nl](mailto:typo3@wouterwolters.nl)>  
Tested-by: Bamboo TYPO3com <[info@typo3.com](mailto:info@typo3.com)>  
Reviewed-by: Nicole Cordes <[typo3@cordes.co](mailto:typo3@cordes.co)>  
Tested-by: Nicole Cordes <[typo3@cordes.co](mailto:typo3@cordes.co)>  
Reviewed-by: Andreas Fernandez <[typo3@scripting-base.de](mailto:typo3@scripting-base.de)>  
Tested-by: Andreas Fernandez <[typo3@scripting-base.de](mailto:typo3@scripting-base.de)>

## History

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### #1 - 2016-08-25 19:40 - Gerrit Code Review

- Status changed from In Progress 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/49593>

### #2 - 2016-08-26 00:45 - 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/49593>

### #3 - 2016-08-26 12:10 - 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/49593>

### #4 - 2016-08-26 16:27 - 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/49593>

### #5 - 2016-08-29 12:17 - 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/49593>

### #6 - 2016-08-30 13:50 - 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/49593>

### #7 - 2016-08-31 02:00 - 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/49593>

### #8 - 2016-08-31 02:01 - 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/49593>

### #9 - 2016-08-31 02:09 - 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/49593>

### #10 - 2016-08-31 09:53 - 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/49593>

### #11 - 2016-08-31 11:49 - 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/49593>

### #12 - 2016-08-31 13:14 - 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/49593>

### #13 - 2016-08-31 15:06 - Gerrit Code Review

Patch set 13 for branch **master** of project **Packages/TYPO3.CMS** has been pushed to the review server.

It is available at <https://review.typo3.org/49593>

**#14 - 2016-08-31 20:56 - Gerrit Code Review**

Patch set 14 for branch **master** of project **Packages/TYPO3.CMS** has been pushed to the review server.  
It is available at <https://review.typo3.org/49593>

**#15 - 2016-08-31 22:19 - Gerrit Code Review**

Patch set 15 for branch **master** of project **Packages/TYPO3.CMS** has been pushed to the review server.  
It is available at <https://review.typo3.org/49593>

**#16 - 2016-08-31 22:30 - Morton Jonuschat**

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

Applied in changeset [2ba08444c9cd7613c97e10b65fd53867565f205c](#).

**#17 - 2016-09-01 09:44 - Gerrit Code Review**

- *Status changed from Resolved 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/49701>

**#18 - 2016-09-01 11:00 - Morton Jonuschat**

- *Status changed from Under Review to Resolved*

Applied in changeset [94707d68b37b7d08838d131f948032163b988a50](#).

**#19 - 2017-10-17 23:24 - Riccardo De Contardi**

- *Status changed from Resolved to Closed*