Core - Task # 26829

Status:	Closed		**Priority:**	Should have
Author:	Dmitry Dulepov		**Category:**	Backend User Interface
Created:	2011-05-16		**Assigned To:**	Dmitry Dulepov
Updated:	2013-06-01		**Due date:**	

TYPO3 Version:	4.6
PHP Version:	5.3
Complexity:	
Sprint Focus:	

Subject:	Improve Backend search

Description

There are several problems with current Backend search:

- it searches far more fields than necessary (for example, TSConfig)
- it searches "uid" and other numeric fields even if the value is not numeric
- it uses LIKE x search on numeric fields
- it searches all tables even if they do not make sense to be searched
- it is too slow
- it searches only first four levels deep in the page tree

All these problems come from the [wrong] idea that TYPO3 can detect where it can search. Instead, tables should be marked as "searchable" and provide a list of fields that make sense to search. Also it makes sense to search some fields as case insensitive.

The attached patch improves backend search using ideas above. It is made over git revision 69fb8866b94c75b3b73395cfa4bd0a900e6ab53c (May 10, 2011).

When applying the patch, use -p1 argument (git diff makes patches that require -p1).

Related issues:

related to Core - Bug # 31761: Live search does not implement search properties	**Resolved**	**2011-11-11**

Associated revisions

Revision 7b3d5b97 - 2011-07-11 17:00 - Dmitry Dulepov

[TASK][!!!] Improve Backend search
There are several problems with current Backend search:

- it searches far more fields than necessary (for example, TSConfig)
- it searches "uid" and other numeric fields even if the value is not numeric
- it uses LIKE x search on numeric fields and forces DAM to make an XCLASS
- it searches all tables even if they do not make sense to be searched
- it is too slow
- it searches only first four levels deep in the page tree

All these problems come from the [wrong] idea that TYPO3 can detect where it can search. Instead, tables should be marked as "searchable" and provide a list of fields that make sense to search. Also it makes sense to search some fields as case insensitive. This task solves all described issues.

After this change extensions will need to explicitly mark their tables

as searchable. Until that, those table will not be searched.

Search by default is NOT case sensitive. If the developer wants a case sensitive search on the column, (s)he should ensure proper locale on that column (as described at http://bit.ly/1zw8dC) and mark the column as case-sensitive for search (see TYPO3 core API for more details).

Change-Id: I2b194dc1c746a4fc3f7663358ed08d7c9f6e11a8
Resolves: #26829
Releases: 4.6
Reviewed-on: http://review.typo3.org/2189
Reviewed-by: Stefan Neufeind
Tested-by: Stefan Neufeind
Reviewed-by: Markus Klein
Reviewed-by: Philipp Gampe
Tested-by: Philipp Gampe
Reviewed-by: Kay Strobach
Tested-by: Kay Strobach
Reviewed-by: Andreas Wolf
Tested-by: Andreas Wolf
Reviewed-by: Xavier Perseguers

History

#1 - 2011-05-18 14:00 - Mr. Hudson

Patch set 1 of change I2b194dc1c746a4fc3f7663358ed08d7c9f6e11a8 has been pushed to the review server.
It is available at http://review.typo3.org/2189

#2 - 2011-05-18 14:23 - Mr. Hudson

Patch set 2 of change I2b194dc1c746a4fc3f7663358ed08d7c9f6e11a8 has been pushed to the review server.
It is available at http://review.typo3.org/2189

#3 - 2011-06-15 09:09 - Oliver Hader

- Target version changed from 1238 to 1281

#4 - 2011-06-28 10:01 - Mr. Hudson

Patch set 3 of change I2b194dc1c746a4fc3f7663358ed08d7c9f6e11a8 has been pushed to the review server.
It is available at http://review.typo3.org/2189

#5 - 2011-06-28 10:06 - Dmitry Dulepov

- Category set to Backend User Interface

- Status changed from New to Under Review

- Assigned To set to Dmitry Dulepov

- % Done changed from 30 to 90

- PHP Version set to 5.3

The patch attached here is no longer relevant. Please, get the patch from http://bit.ly/k7LeXT

#6 - 2011-07-04 09:47 - Mr. Hudson

Patch set 4 of change I2b194dc1c746a4fc3f7663358ed08d7c9f6e11a8 has been pushed to the review server.
It is available at http://review.typo3.org/2189

#7 - 2011-07-04 12:11 - Mr. Hudson

Patch set 5 of change I2b194dc1c746a4fc3f7663358ed08d7c9f6e11a8 has been pushed to the review server.
It is available at http://review.typo3.org/2189

#8 - 2011-07-04 12:28 - Mr. Hudson

Patch set 6 of change I2b194dc1c746a4fc3f7663358ed08d7c9f6e11a8 has been pushed to the review server.
It is available at http://review.typo3.org/2189

#9 - 2011-07-04 12:30 - Mr. Hudson

Patch set 7 of change I2b194dc1c746a4fc3f7663358ed08d7c9f6e11a8 has been pushed to the review server.
It is available at http://review.typo3.org/2189

#10 - 2011-07-11 17:00 - Dmitry Dulepov

- Status changed from Under Review to Resolved
- % Done changed from 90 to 100

Applied in changeset commit:7b3d5b97ed9e00af4eb08b7e59c7311b5ed72e15.

#11 - 2012-03-07 13:33 - Xavier Perseguers

- Status changed from Resolved to Closed

#12 - 2013-06-01 14:43 - Ernesto Baschny

- Target version deleted (1281)

Files

search-trunk.diff	21.8 kB	2011-05-16	Dmitry Dulepov