

TYPO3 Core - Epic #93547

Collection of problems with large sites

2021-02-19 06:57 - Sybille Peters

Status: Accepted	Start date: 2021-02-19
Priority: Should have	Due date:
Assignee:	% Done: 0%
Category: Miscellaneous	Estimated time: 0.00 hour
Target version:	
Sprint Focus:	
Description	
I used the following tags in sub-issues - where appropriate.	
tags : "large-site", "memory hog", "prepared statement", "placeholderlimit", "memory", "performance", "throttle", "usability" (or UI related things)	
All issues related to large site are tagged with large-site .	
Can be many pages, many files, many directories, many categories, etc. or a combination.	
The problems are mostly related to:	
<ul style="list-style-type: none">• performance and resource (memory) problems.• exceptions, e.g. database query - "Prepared statement contains too many placeholders"• usability: e.g. long, unusable lists (see sys_filemount: long list of directories + performance issue, unable to filter for specific pages in pagetree filter etc.)	
Can the question of large sites be addressed in general?	
e.g.	
<ul style="list-style-type: none">• consider large sites when creating concepts for new features• create a reference "large site"• test patches on "large sites"• define hard limits / soft limits (if possible) - e.g. are there specific known limitations, can we say TYPO3 easily runs with x number of pages (redirects, sites, files, be user groups etc.) in a typical installation (e.g. with a reference site)	
Related issues:	
Related to TYPO3 Core - Bug #57953: Rendering time of HMENU is really bad, ma...	Closed 2014-04-15
Related to TYPO3 Core - Bug #76581: Backend Performance Flaws	New 2016-06-10
Related to TYPO3 Core - Bug #78258: List view CSV export goes out of memory	Accepted 2016-10-12
Related to TYPO3 Core - Bug #92493: linkvalidator: scheduler task + list of ...	Resolved 2020-10-06
Related to TYPO3 Core - Bug #36744: Workspaces are unusable on larger install...	Accepted 2012-08-12
Related to TYPO3 Core - Feature #89015: Lazy Loading for TCA / Backend View t...	New 2019-08-26
Related to TYPO3 Core - Bug #81996: Read only select field 'renderType' => 'se...	New 2017-07-28
Related to TYPO3 Core - Epic #89759: Performance improvements in Forms module	New 2019-11-24
Related to TYPO3 Core - Bug #84558: TYPO3 sys_category problem with performan...	New 2018-03-29
Related to TYPO3 Core - Task #90143: Redirects: Poor performance of redirect ...	Under Review 2020-01-17
Related to TYPO3 Core - Bug #92033: "Page tree error: Got unexpected reponse"...	New 2020-08-17
Related to TYPO3 Core - Bug #92036: New behaviour of page tree filter might m...	Accepted 2020-08-17
Related to TYPO3 Core - Feature #78760: Make pagetree panel resizable/expanda...	Closed 2016-11-21
Related to TYPO3 Core - Feature #92576: Page Tree filter: make it possible to...	Under Review 2020-10-16
Related to TYPO3 Core - Feature #89762: Add pagination to forms list	Resolved
Related to TYPO3 Core - Bug #52374: Editing a sys_filemount is very slow	New 2013-09-30
Related to TYPO3 Core - Bug #88873: ext: form hangs (run into 500 error) when...	Closed 2019-11-05
Related to TYPO3 Core - Bug #91372: Filelist module stops working if a lot of...	New 2020-05-12

Related to TYPO3 Core - Epic #88474: Page tree performance in 9.5	Closed	2018-11-16
Related to TYPO3 Core - Bug #88134: Lots a database queries to sys_refindex c...	New	2019-04-10
Related to TYPO3 Core - Bug #84051: SelectTree (Category Tree) - add horizont...	New	2018-02-26
Related to TYPO3 Core - Bug #88672: SlugHelper->isUniqueInSite() slow for ins...	Under Review	2019-07-02
Related to TYPO3 Core - Task #93305: Long lists of parameters in QueryBuilder...	New	2021-01-18
Related to TYPO3 Core - Bug #93937: Live search really slow for non admin use...	New	2021-04-16
Related to TYPO3 Core - Epic #95690: Performance issues when hosting a large ...	Accepted	2021-10-18
Related to TYPO3 Core - Bug #86859: Search with indexed_search plugin throws ...	New	2018-11-05
Related to TYPO3 Core - Bug #96042: Row update wizard may consume too much me...	Under Review	2021-11-20
Related to TYPO3 Core - Task #89287: Make linkvalidator crawling polite	New	2019-09-26

History

#1 - 2021-02-19 06:57 - Sybille Peters

content grouped by category in <https://notes.typo3.org/xpZwXmWrRVi5bRCJ392p6Q> here.

#2 - 2021-02-19 06:58 - Sybille Peters

- Related to Bug #57953: Rendering time of HMENU is really bad, maybe bug? added

#3 - 2021-02-19 06:58 - Sybille Peters

- Related to Bug #76581: Backend Performance Flaws added

#4 - 2021-02-19 06:59 - Sybille Peters

- Related to Bug #78258: List view CSV export goes out of memory added

#5 - 2021-02-19 06:59 - Sybille Peters

- Related to Bug #92493: linkvalidator: scheduler task + list of broken links dies if too many pages ("Prepared statement contains too many placeholders") added

#6 - 2021-02-19 07:00 - Sybille Peters

- Related to Bug #36744: Workspaces are unusable on larger installations added

#7 - 2021-02-19 07:00 - Sybille Peters

- Related to Feature #89015: Lazy Loading for TCA / Backend View to improve performance added

#8 - 2021-02-19 07:00 - Sybille Peters

- Related to Bug #81996: Read only select field 'renderType' => 'selectSingle' renders all available items added

#9 - 2021-02-19 07:01 - Sybille Peters

- Related to Epic #89759: Performance improvements in Forms module added

#10 - 2021-02-19 07:01 - Sybille Peters

- Related to Bug #84558: TYPO3 sys_category problem with performance/slow opening category in BE added

#11 - 2021-02-19 07:01 - Sybille Peters

- Related to Task #90143: Redirects: Poor performance of redirect matching for large redirects table added

#12 - 2021-02-19 07:03 - Sybille Peters

- Related to Bug #92033: "Page tree error: Got unexpected reponse" with filter - allowed memory size exhausted added

#13 - 2021-02-19 07:03 - Sybille Peters

- Related to Bug #92036: New behaviour of page tree filter might more easily submit "monster queries" or too many queries added

#14 - 2021-02-19 07:03 - Sybille Peters

- Related to Feature #78760: Make pagetree panel resizable/expandable on large screens added

#15 - 2021-02-19 07:03 - Sybille Peters

- Related to Feature #92576: Page Tree filter: make it possible to explicitly filter by uid added

#16 - 2021-02-19 07:04 - Sybille Peters

- Related to Feature #89762: Add pagination to forms list added

#17 - 2021-02-19 07:04 - Sybille Peters

- Related to Bug #52374: Editing a sys_filemount is very slow added

#18 - 2021-02-19 07:04 - Sybille Peters

- Related to Bug #88873: ext: form hangs (run into 500 error) when a lot of files are in the fileadmin added

#19 - 2021-02-19 07:05 - Sybille Peters

- Related to Bug #91372: Filelist module stops working if a lot of files in one directory added

#20 - 2021-02-20 21:36 - Riccardo De Contardi

- Related to Epic #88474: Page tree performance in 9.5 added

#21 - 2021-02-20 21:36 - Riccardo De Contardi

- Related to Bug #88134: Lots a database queries to sys_refindex cause slow page saving added

#22 - 2021-02-20 21:46 - Riccardo De Contardi

- Related to Bug #84051: SelectTree (Category Tree) - add horizontal scrolling added

#23 - 2021-02-22 06:56 - Georg Ringer

- Status changed from New to Accepted

#24 - 2021-02-24 10:03 - Stefan P

- Related to Bug #88672: SlugHelper->isUniqueInSite() slow for installations with many sites and similar URL structures added

#25 - 2021-02-25 08:32 - Stefan P

A very important change in the heads of core devs or in the "mentality" in the future must be that new features are not developed simply "parallel" to the core, but so that it respect the already existing architecture. For example did the redirects module that came with v9 totally ignore user permissions (if you are allowed to see the module you just see all redirects from all domains and not just the ones you are allowed to see - no simple "bug", just not implemented at all).

Or [#88672](#) just assumed totally arbitrary (with hardcoded magic number) that there are a maximum of 100 pages with the same name.

Or [#91995](#) just assumed that never an unconfigured domain (in sys_domain or Site YAML) can (accidentally!) point to a TYPO3 system, leading to arbitrary output.

This shows that many new features are implemented from a single POV: single/few domain setups with mostly admin BE users. This mentality automatically also leads to the problems in this epic: performance problems.

#26 - 2021-02-25 09:40 - Sybille Peters

@Stefan P I don't think it is intentionally. Some new features / changes are already pretty complex in themselves and considering user permissions, languages, workspaces etc. makes it even more complex. Really thinking everything through for multiple users, multiple sites, large sites - not an easy task.

But I agree with you that these things are not always considered, which is the reason I started this issue.

I think finding a method for testing with large sites (also with multiple users, multiple domains etc.) would at least make potential problems detected early.

What I also find missing is a definition of the limits. I realize, this is not easy to do. In some cases it also depends on the memory allocated and on other factors. But if you have a reference site and say, ok TYPO3 11 was tested with this reference site with 100 000 pages, 2000 backend users, 300 backend groups, 5 sites, 2000 redirects etc. Don't know if this is realistic, it might require some looking into.

And maybe additionally post some numbers, where problems *may* be expected, e.g. are there currently any hard limits?

And also finding best practices for how to solve things in general in the code might also help.

From my practical experience with a "large site" not everything is a huge problem and it depends. But I did expect TYPO3 to work well with large sites and as an enterprise solution, I think it should. Most of the problems are just a nuisance or do not affect us but some have been a big problem and

have made time - and cost-intensive workarounds necessary.

#27 - 2021-03-02 07:03 - Sybille Peters

- Related to Task #93305: Long lists of parameters in QueryBuilder handled differently ("too many placeholders") added

#28 - 2021-04-16 11:56 - Torben Hansen

- Related to Bug #93937: Live search really slow for non admin users in large TYPO3 websites added

#29 - 2021-10-18 19:56 - Sybille Peters

- Related to Epic #95690: Performance issues when hosting a large amount of websites, and optimizations propositions added

#30 - 2021-11-16 21:08 - Sybille Peters

- Description updated

#31 - 2021-11-17 14:51 - Sybille Peters

- Related to Bug #86859: Search with indexed_search plugin throws exception: Prepared statement contains too many placeholders added

#32 - 2021-11-20 19:07 - Sybille Peters

- Related to Bug #96042: Row update wizard may consume too much memory for tables with many records and content added

#33 - 2021-11-21 08:23 - Sybille Peters

- Related to Task #89287: Make linkvalidator crawling polite added

#34 - 2021-11-21 08:26 - Sybille Peters

- Description updated