TYPO3 Core - Feature #20717

Store separate extlist for the frontend

2009-07-04 20:28 - Mathias Schreiber

Status: Closed
Priority: Should have
Assignee: Rupert Germann
Category:
Target version:
PHP Version: 5.2
Tags:

Description
If you have a lot of extensions loaded your frontend and backend becomes slower and slower.
In order to at least reduce the load a bit we introduce a new parameter to the EM_CONF called "doNotLoadInFE".
If set to "1" this extension will not be included in the extlist to be loaded in the frontend.
This also affects the temp_cached_* files in typo3conf which will also be newly created.

(issue imported from #M11474)

Related issues:
Related to TYPO3 Core - Bug #20718: Add 'doNotLoadInFE' => 1, to several syst... Closed 2009-07-04
Related to TYPO3 Core - Bug #20960: Update wizard doesn't write "extListFE" Closed 2009-08-31
Related to TYPO3 Core - Bug #20379: Generate Random Key still does not work Closed 2009-04-30

History
#1 - 2009-07-14 18:57 - Rupert Germann
I added v2 of the patch which fixes the following problems:
1. if "extList_FE" is not yet set in localconf.php the extmgm falls back to the standard "extList"
2. Now the temp_CACHED_FE... will be deleted when the temp_CACHED.. files are deleted.

#2 - 2009-07-14 19:02 - Rupert Germann
Some benchmarks:
My server is a standard installation with only a few FE extensions enabled.
siege -c 15 -i -b -t 2M -f urls43_perf.txt
4.3 current trunk
----------------------------------------------------------
Transactions: 31626 hits  
Availability: 100.00 %  
Elapsed time: 119.79 secs  
Data transferred: 780.77 MB  
Response time: 0.06 secs  
Transaction rate: 264.01 trans/sec  
Throughput: 6.52 MB/sec  
Concurrency: 14.96  
Successful transactions: 31626  
Failed transactions: 0  
Longest transaction: 0.52  
Shortest transaction: 0.00

with patch 11474
----------------------------------------------------------
Transactions: 33495 hits  
Availability: 100.00 %  
Elapsed time: 119.65 secs  
Data transferred: 827.24 MB  
Response time: 0.05 secs  
Transaction rate: 279.94 trans/sec  
Throughput: 6.91 MB/sec

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Concurrency: 14.97
Successful transactions: 33495
Failed transactions: 0
Longest transaction: 0.49
Shortest transaction: 0.00

trunk = 100%
patched = 106%

filesizes:

trunk:
temp_CACHED...ext_tables.php 80 KB
temp_CACHED...ext_localconf.php 62 KB

patched:
temp_CACHED...ext_tables.php 45 KB
temp_CACHED...ext_localconf.php 48 KB

extlist in localconf.php:

$TYPO3_CONF_VARS["EXT"]['extList'] = 'css_styled_content,tsconfig_help,extra_page_cm_options,impexp,sys_note,tstemplate,tstemplate_ceditor,
tstemplate_info,tstemplate_objbrowser,tstemplate_analyzer,func_wizards,wizard_crpages,wizard_sortpages,
lowlevel,install,beuser,aboutmodules,setup,taskcenter,info_pagetsconfig,viewpage,rtehtmlarea,
phpmyadmin,automakemodule,cc_debug,tt_news,t3editor,recycler,about,cshmanual,opendocs,
felogin,indexed_search,devlog,context_help';

additional FE extlist after patch:

$TYPO3_CONF_VARS["EXT"]['extList_FE'] =
'css_styled_content,rtehtmlarea,phpmyadmin,automakemodule,cc_debug,tt_news,felogin,indexed_search,devlog';

#3 - 2009-07-14 19:05 - Rupert Germann

Conclusion:

Even when testing this patch with only a few extensions I had a performance gain of 6%. When there are more extensions on the server which can be excluded from being loaded in FE the performance improvement will be even bigger.
Files

<table>
<thead>
<tr>
<th>File</th>
<th>Size</th>
<th>Date</th>
<th>Author</th>
</tr>
</thead>
<tbody>
<tr>
<td>11474.diff</td>
<td>3.8 KB</td>
<td>2009-07-04</td>
<td>Administrator Admin</td>
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<tr>
<td>11474_v2.diff</td>
<td>4.98 KB</td>
<td>2009-07-14</td>
<td>Administrator Admin</td>
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