Status:	Closed	Priority:	Could have
Author:	Alexander Opitz	Category:	Performance
Created:	2013-03-23	Assigned To:	Alexander Opitz
Updated:	2013-11-12	Due date:	
PHP Version:			
Complexity:			
Sprint Focus:			
Subject:	Speed improvements in Class	Loader	
Description			
			backward compatibility aliases for classes (fo
example intersect	ing arrays with around 2400 and 500) entries).	
		-	patibility which will do class alias loading if
needed. This help	os to reduce the loading time if only "n	nodern" code is used.	
Speedtest on the	start page of the introduction package	9:	
Testsystem: PHP	5.4.13, MariaDB 5.5.29		
Testcommand: at	o -c 10 -n 100 <u>http://localhorst.typo61/</u>		
Before:			
Time taken for tes	sts: 19.813 seconds		
Total transferred:	23000 bytes		
HTML transferred	: 0 bytes		
Requests per sec	ond: 5.05 [#/sec] (mean)		
Time per request	1981.282 [ms] (mean)		
Time per request	198.128 [ms] (mean, across all c	oncurrent requests)	
Transfer rate:	1.13 [Kbytes/sec] received		
After:			
Time taken for tes	sts: 12.570 seconds		
Total transferred:	1035500 bytes		
HTML transferred	: 990700 bytes		
Requests per sec	ond: 7.96 [#/sec] (mean)		
Time per request	1256.969 [ms] (mean)		
Time per request	125.697 [ms] (mean, across all c	oncurrent requests)	
Transfer rate:	80.45 [Kbytes/sec] received		
Related issues:			
related to Cara En	ic # 47018: Implement Composer support		Resolved 2013-08-28

History

#1 - 2013-03-24 10:05 - Alexander Opitz

- Assigned To set to Alexander Opitz

#2 - 2013-03-24 12:37 - Gerrit Code Review

- Status changed from Accepted to Under Review

Patch set 1 for branch **master** has been pushed to the review server. It is available at <u>https://review.typo3.org/19249</u>

#3 - 2013-03-24 14:56 - Gerrit Code Review

Patch set 2 for branch **master** has been pushed to the review server. It is available at <u>https://review.typo3.org/19249</u>

#4 - 2013-03-25 01:03 - Xaver Maierhofer

Hello,

i don't know much about the issue above. But your "ab" result is not representative at all.

10 parallel request and 100 request total on a local system is good luck on result. I/O to get all files, cache of your system.

Example here

ab -c 10 -n 100 http://www.XYZ This is ApacheBench, Version 2.3 <\$Revision: 655654 \$> Copyright 1996 Adam Twiss, Zeus Technology Ltd, http://www.zeustech.net/ Licensed to The Apache Software Foundation, http://www.apache.org/

Benchmarking www.XYZ (be patient).....done

Server Software: Apache Server Hostname: www.XYZ Server Port: 80 Document Path: 1 Document Length: 19849 bytes Concurrency Level: 10 Time taken for tests: 0.297 seconds Complete requests: 100 Failed requests: 0 Write errors: 0 Total transferred: 2018500 bytes HTML transferred: 1984900 bytes Requests per second: 336.25 [#/sec] (mean) Time per request: 29.740 [ms] (mean) Time per request: 2.974 [ms] (mean, across all concurrent requests) Transfer rate: 6628.15 [Kbytes/sec] received

Connection Times (ms)

min mean[+/-sd] median max Connect: 0 0 0.3 0 1 Processing: 21 29 5.4 28 47 Waiting: 21 28 5.4 28 47 Total: 21 29 5.4 28 48 Percentage of the requests served within a certain time (ms)

50%	28
66%	29
75%	31
80%	33
90%	36
95%	39
98%	47
99%	48
100%	48 (longest request)

Next time i get one long request "100% 1032 (longest request)" and loading time is by 1.03 sec.

Maybe you use more requests. PHP Mode Version and cache modules (apc, opcache ...) make often a difference from speed.

But in the end - Nice to see you try to speedup thing in TYPO3 core!

#5 - 2013-03-25 12:28 - Alexander Opitz

The test was against another notebook during the FAL code sprint with and without APC (But the results didn't show any changes). So the system was to slow to use other parameters for ab testing.

More data is available in the mailing list:

Starting here: <u>http://lists.typo3.org/pipermail/typo3-team-core/2013-March/053641.html</u> Continuing here: <u>http://lists.typo3.org/pipermail/typo3-team-core/2013-March/053739.html</u>

#6 - 2013-03-27 19:55 - Gerrit Code Review

Patch set 2 for branch **master** has been pushed to the review server. It is available at <u>https://review.typo3.org/19283</u>

#7 - 2013-09-12 09:21 - Alexander Opitz

- Status changed from Under Review to Accepted
- Priority changed from Should have to Could have

- Target version deleted (6.1.0)

#8 - 2013-11-12 15:59 - Alexander Opitz

- Status changed from Accepted to Closed

The performance problems were addressed in another way for TYPO3 6.2, who is using a PackageManager which also can handle flow/composer packages. More issues will be handled as subtask of #52304