

Core - Bug # 57604

Status:	Closed	Priority:	Should have
Author:	Jacob Rasmussen	Category:	Package Manager
Created:	2014-04-03	Assigned To:	
Updated:	2015-06-23	Due date:	
TYPO3 Version:	6.2		
PHP Version:			
Complexity:			
Is Regression:	No		
Sprint Focus:			
Subject:	PackageManager is unable to resolve composer PSR-4 namespaces		
Description			
<p>Currently the package manager is only able to resolve PSR-0 namespaces.</p> <p>This makes it impossible to include composer packages which rely on PSR-4 namespaces, such as Pelago\Emogrifier, unless the composer autoloader is included manually in a TYPO3 extension.</p>			
Steps to reproduce			
<p>Create a composer.json in the root of site path like this:</p> <pre>{ "config": { "vendor-dir": "Packages/Libraries" }, "minimum-stability": "dev" "require": { "pelago/emogrifier": "*" } }</pre>			
<p>Run "composer install" in the path in order to fetch the package</p> <p>Ensure typo3conf/PackageStates.php is updated - this can be done by uninstalling and installing a TYPO3 extension.</p> <p>Activate the package manually by editing PackageStates.php, as it currently isn't possible to activate composer packages through the UI or CLI</p> <p>Try to instantiate the \Pelago\Emogrifier class which will fail</p>			
Related issues:			
related to Core - Task # 64361: Improve class loading performance		Resolved	2015-01-19
related to Core - Bug # 54491: PackageManager doesn't solve/recognize real co...		Under Review	2013-12-18

History

#1 - 2014-10-14 12:11 - Mathias Brodala

Actually the whole autoloading is a mess. First you **have to** put your classes into Classes/ since that path is hardcoded and written to the PackageStates.php. But then you **must not** actually use psr-0 within that directory but psr-4 instead. If you specify psr-4 instead, the package key is

converted from Vendor.Package to vendor.package and classes cannot be found anymore.

If you manually fix the casing in the PackageStates.php, the classes are found again. Funny: if you enter the extension manager then, the package in question shows up twice as Vendor.Package and vendor.package. Removing both from PackageStates.php leaves only vendor.package again upon next scan.

Summarized for Vendor\Package\Class:

- psr-0 + Classes/Vendor/Package/Class.php: correct, but not found
- psr-4 + Classes/Class.php: correct, but not found
- psr-0 + Classes/Class.php: incorrect, but found

Conclusion: Neither psr-0 nor psr-4 are properly supported.

#2 - 2015-03-20 13:51 - Peter Niederlag

- Status changed from New to Needs Feedback

As the composer autoloader was added into the Core with version 6.2.10 this problem might have been solved by now.

Can you please recheck if the problem is still present for you on > 6.2.10?

Please have a look at <http://wiki.typo3.org/ComposerClassLoader> for more details

#3 - 2015-03-20 14:43 - Mathias Brodala

It seems to work with the current 6.2.11, even without preferring the Composer autoloader.

#4 - 2015-03-20 14:46 - Mathias Brodala

Apparently the important bit is the "type": "typo3-cms-extension" option in the Composer manifest of the extension. If it is present, the described issue can be avoided.

#5 - 2015-06-22 14:34 - Alexander Opitz

So we can close this issue?

#6 - 2015-06-22 17:22 - Mathias Brodala

Yes, works for me.

#7 - 2015-06-23 14:56 - Alexander Opitz

- Status changed from Needs Feedback to Closed