

## TYPO3 Flow Base Distribution - Task # 57992

<b>Status:</b>	Resolved	<b>Priority:</b>	Should have
<b>Author:</b>	Tymoteusz Motylewski	<b>Category:</b>	
<b>Created:</b>	2014-04-16	<b>Assigned To:</b>	
<b>Updated:</b>	2014-07-11	<b>Due date:</b>	
<b>Subject:</b>	Make package HHVM compatible - failing getPackageReturnsTheSpecifiedPackage test		
<b>Description</b>			
<p>the PackageManagerTest::getPackageReturnsTheSpecifiedPackage is failing on hhvm, because it HHVM doesn't support calling key() on objects.</p> <p>So it is failing now with "Fatal error: Cannot access empty property in..."</p> <p>Responsible code is in Package-&gt;getNamespace()</p> <pre>\$namespaces = \$manifest-&gt;autoload-&gt;{'psr-0'}; if (count(\$namespaces) === 1) {     \$namespace = key(\$namespaces); }</pre> <p>it can be solved by first cast object to an array</p> <pre>\$namespaces = (array)\$manifest-&gt;autoload-&gt;{'psr-0'}; if (count(\$namespaces) === 1) {     \$namespace = key(\$namespaces); }</pre> <p>quote from <a href="https://github.com/facebook/hhvm/blob/master/hphp/doc/inconsistencies#L90-95">https://github.com/facebook/hhvm/blob/master/hphp/doc/inconsistencies#L90-95</a> about this inconsistency:</p> <p>(5) Object internal cursors</p> <p>Under Zend PHP, objects have an internal cursor (similar to the array internal cursor) that can be used to iterate over the object's properties. Under HipHop VM, objects do not have internal cursors, and the next(), prev(), current(), key(), reset(), end(), and each() builtin functions do not support objects.</p>			
<b>Related issues:</b>			
related to Core - Task # 57993: Make package HHVM compatible - failing getPac...		<b>Resolved</b>	<b>2014-04-16</b>

### Associated revisions

Revision ae4b77ca - 2014-04-16 17:18 - Tymoteusz Motylewski

[TASK] Make Flow Package/Package HHVM compatible

HHVM doesn't support calling array functions like key() on objects, we need to cast object to array first.

Resolves: #57992

Releases: master

Change-Id: I20777f78f63f512a104c4e144aa29cbedef0f23

## Revision 85dea6c8 - 2014-05-08 13:24 - Bastian Waidelich

[BUGFIX] Fix basic support for packages with multiple PSR-0/4 mappings

Some (3rd party) package define multiple autoload mappings for different PHP namespaces in their composer manifest, for example::

```
"autoload": {
  "psr-0": {
    "SomeNamespace": "lib/",
    "SomeNamespace\\Test": "test/lib/"
  }
}
```

Flow does not yet support multiple autoload mappings but it always just ignored everything but the first mapping.

With I20777f78f63f512a104c4e144aa29cbedef0f23 this is no longer the case and an exception is thrown for packages with more than one mapping per autoloader type.

This change reintroduces the previous behavior and fixes some minor bugs along the way.

Background:

Because `Package::getComposerManifest()` returns a `stdClass` the code `count($namespaces) === 1` always evaluated TRUE.

By casting the manifest to an array (for better HVVM support) this is no longer the case and the exception is thrown.

In the long run we should replace the `stdClass` by an associative array or DTO and introduce real support for multiple autoload mappings.

This change also fixes some minor issues and adds some unit tests.

Change-Id: I20777f78f63f512a104c4e144aa29cbedef0f23

Related: #57992

Releases: master

## History

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### #1 - 2014-04-16 17:25 - Gerrit Code Review

- Status changed from New to Under Review

Patch set 1 for branch **master** of project **Packages/TYPO3.Flow** has been pushed to the review server.

It is available at <https://review.typo3.org/29509>

### #2 - 2014-05-03 02:07 - Stefan Neufeind

Merged in Flow-package for TYPO3 CMS. <https://review.typo3.org/#/c/29508/>

Imho it would be great if you could please consider this adjustment as well.

**#3 - 2014-07-11 20:19 - Tymoteusz Motylewski**

- *Status changed from Under Review to Resolved*

- *% Done changed from 0 to 100*

- *Remaining (hours) set to 0.0*

Applied in changeset package-typo3-flow:commit:ae4b77ca570b7c90bc19be607435c715325ad1a3.