

## TYPO3.Flow - Bug # 42888

<b>Status:</b>	Needs Feedback	<b>Priority:</b>	Should have
<b>Author:</b>	Bastian Waidelich	<b>Category:</b>	Resource
<b>Created:</b>	2012-11-12	<b>Assigned To:</b>	
<b>Updated:</b>	2012-11-12	<b>Due date:</b>	
<b>PHP Version:</b>			
<b>Has patch:</b>	No		
<b>Complexity:</b>			
<b>Affected Flow version:</b> (any)			
<b>Subject:</b>	ResourceManager chokes on non existing files		
<b>Description</b>			
<p>When importing a non existing file via ResourceManager::importResource() the ResourceManager kills the PHP process by allocating memory throws an exception</p> <p>We should check the existence of the specified \$uri.</p> <p>My first draft looks like this:</p>			
<pre>1 public function importResource(\$uri) { 2     \$pathInfo = pathinfo(\$uri); 3     if (isset(\$pathInfo['extension']) &amp;&amp; substr(strtolower(\$pathInfo['extension']), -3, 3) === 'php') { 4         \$this-&gt;systemLogger-&gt;log('Import of resources with a "php" extension is not allowed.', LOG_WARNING); 5         return FALSE; 6     } 7 8     // NEW CODE: 9 10    \$responseHeaders = get_headers(\$uri); 11    \$responseCode = (integer)substr(\$responseHeaders[0], 9, 3); 12    if (\$responseCode === 404) { 13        \$this-&gt;systemLogger-&gt;log(sprintf('Could not copy resource from "%s", the file does not exist.', \$uri), LOG_WARNING 14    ); 15        return FALSE; 16    } elseif (\$responseCode &lt; 200    \$responseCode &gt; 300) { 17        \$this-&gt;systemLogger-&gt;log(sprintf('Could not copy resource from "%s", got response code %d.', \$uri, \$responseCode 18    ), LOG_WARNING); 19        return FALSE; 20    } 21    // ...</pre>			
<p>But this breaks the unit tests with a warning</p> <p>get_headers(): This function may only be used against URLs</p> <p>for the vfs:// URIs.</p> <p>What do you think about the general approach?</p>			

Actually it might be cleaner to switch to a proper request (maybe using Flows RequestEngineInterface) altogether here as copy() is pretty limited.

BTW: If we adjust this we could also think about changing the return value from object/FALSE to object/NULL as we do it in most places already

## History

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### #1 - 2012-11-12 17:39 - Bastian Waidelich

The description was wrong before, I only ran out of memory cause the exception tried to render the affected domain object.

The actual issue is, that copy() issues a Warning resulting in following exception:

```
#1: Warning: copy(http://<nonexistinguri>): failed to open stream: HTTP request failed! HTTP/1.0 404 Not Found in /TYPO3_Flow_Resource_ResourceManager_Original.php line 196
```

prepending @ to the copy call solves the issue for me

### #2 - 2012-11-12 17:45 - Adrian Förder

ah ok, good; because I wondered and hesitated to ask why a non existing file should result into a memory flood ;)

An @ is a bit hacky IMO, do you have another Idea? Wouldn't the pathinfo() invocation on line 2 trigger some error or something if the file doesn't exist?

### #3 - 2012-11-12 17:46 - Adrian Förder

ah, aand.. in most cases the \$uri would be a string <ins>pointing</ins> to a filesystem file <ins>location</ins>; how would get\_headers(\$uri) react in such a case?

### #4 - 2012-11-12 18:02 - Bastian Waidelich

Adrian Förder wrote:

*An @ is a bit hacky IMO, do you have another Idea?*

Right, but we already use it in other places where PHPs error handling is inconsistent (in Utility\Files for example).

I can't think of anything else..

*Wouldn't the pathinfo() invocation on line 2 trigger some error or something if the file doesn't exist?*

No, pathinfo doesn't care whether the URI exists or not

*in most cases the \$uri would be a string <ins>pointing</ins> to a filesystem file [...]*

IMO it would always be a valid URI, thus should work. But the `get_headers()` solution was merely a basic work around I'd like to avoid anyways as it is quite slow, too.