

## TYPO3 Core - Bug #84171

### \TYPO3\CMS\Core\Utility\GeneralUtility::getUrl() Request-Header format changed from array of strings to associative array in GuzzleHttp conversion

2018-03-07 19:39 - Felix Buenemann

<b>Status:</b>	Closed	<b>Start date:</b>	2018-03-07
<b>Priority:</b>	Should have	<b>Due date:</b>	
<b>Assignee:</b>		<b>% Done:</b>	100%
<b>Category:</b>	Extbase	<b>Estimated time:</b>	0.00 hour
<b>Target version:</b>		<b>Complexity:</b>	medium
<b>TYPO3 Version:</b>	8	<b>Is Regression:</b>	Yes
<b>PHP Version:</b>		<b>Sprint Focus:</b>	
<b>Tags:</b>			

#### Description

In TYPO3 8 the cURL based implementation \TYPO3\CMS\Core\Utility\GeneralUtility::getUrl() was replaced with GuzzleHttp in [#70056](#).

This introduced a breaking change in how http headers are passed.

In the old implementation HTTP request headers were passed as an array of strings:

```
$url = 'https://typo3.org';
$requestHeaders = ['Accept: application/json', 'X-Foo: Bar', 'X-Foo: Baz'];
GeneralUtility::getUrl($url, 0, $requestHeaders);
```

In the new implementation the \$requestHeaders are passed through to guzzle as part of the headers option, which wants the following format:

```
$url = 'https://typo3.org';
$requestHeaders = ['Accept' => 'application/json', 'X-Foo' => ['Bar', 'Baz']];
GeneralUtility::getUrl($url, 0, $requestHeaders);
```

Due to the different format code that uses GeneralUtility::getUrl() and requires request headers breaks when upgrading from TYPO3 7 to 8 or 9.

I think this is a bug and not an intentional change, since all the changes made as part of [#70056](#) try to emulate the old cURL behavior of getUrl().

#### Related issues:

Related to TYPO3 Core - Feature #70056: Use guzzle

Closed

2015-09-23

#### Associated revisions

##### Revision 662fb9ae - 2018-03-14 17:44 - Felix Buenemann

[BUGFIX] Restore getUrl support for list of headers

The change of \TYPO3\CMS\Core\Utility\GeneralUtility::getUrl() from cURL to GuzzleHttp the format of the \$requestHeaders param was implicitly changed from an array of header strings to an associative array where the key is the header name and the value is either a single or an array of values for that header.

This adds back support for the old list of headers format by detecting a non-associative array and converting it to the Guzzle key/value(s) style.

At the same time the 'old' way is deprecated.

Resolves: #84171

Related: #70056

Releases: master, 8.7

Change-Id: I41b23993957288dfd5294129fa8039aab717461d

Reviewed-on: <https://review.typo3.org/56046>

Tested-by: TYPO3com <[no-reply@typo3.com](mailto:no-reply@typo3.com)>

Reviewed-by: Frank Naegler <[frank.naegler@typo3.org](mailto:frank.naegler@typo3.org)>  
Tested-by: Frank Naegler <[frank.naegler@typo3.org](mailto:frank.naegler@typo3.org)>  
Reviewed-by: Susanne Moog <[susanne.moog@typo3.org](mailto:susanne.moog@typo3.org)>  
Tested-by: Susanne Moog <[susanne.moog@typo3.org](mailto:susanne.moog@typo3.org)>

#### Revision 284411c1 - 2018-03-15 21:25 - Felix Buenemann

[BUGFIX] Restore getUrl support for list of headers

The change of `\TYPO3\CMS\Core\Utility\GeneralUtility::getUrl()` from `cURL` to `GuzzleHttp` the format of the `$requestHeaders` param was implicitly changed from an array of header strings to an associative array where the key is the header name and the value is either a single or an array of values for that header.

This adds back support for the old list of headers format by detecting a non-associative array and converting it to the Guzzle key/value(s) style.

At the same time the 'old' way is deprecated.

Resolves: #84171  
Related: #70056  
Releases: master, 8.7  
Change-Id: I41b23993957288dfd5294129fa8039aab717461d  
Reviewed-on: <https://review.typo3.org/56149>  
Tested-by: TYPO3com <[no-reply@typo3.com](mailto:no-reply@typo3.com)>  
Reviewed-by: Frank Naegler <[frank.naegler@typo3.org](mailto:frank.naegler@typo3.org)>  
Tested-by: Frank Naegler <[frank.naegler@typo3.org](mailto:frank.naegler@typo3.org)>  
Reviewed-by: Susanne Moog <[susanne.moog@typo3.org](mailto:susanne.moog@typo3.org)>  
Tested-by: Susanne Moog <[susanne.moog@typo3.org](mailto:susanne.moog@typo3.org)>

## History

---

### #1 - 2018-03-07 19:40 - Felix Buenemann

- *Related to Feature #70056: Use guzzle added*

### #2 - 2018-03-07 19:43 - Felix Buenemann

- *Is Regression set to Yes*

### #3 - 2018-03-07 21:19 - Wouter Wolters

This breaking change is IMO intentional because that is the new format the Guzzle RequestFactory uses. The new implementation is described in the RST file in the patch how to use the new headers.

### #4 - 2018-03-07 23:34 - Gerrit Code Review

- *Status changed from New to Under Review*

Patch set 1 for branch **master** of project **Packages/TYPO3.CMS** has been pushed to the review server. It is available at <https://review.typo3.org/56046>

### #5 - 2018-03-07 23:35 - Felix Buenemann

I proposed a change in Gerrit that restores compatibility with the old style without breaking the new style.

### #6 - 2018-03-07 23:39 - Gerrit Code Review

Patch set 2 for branch **master** of project **Packages/TYPO3.CMS** has been pushed to the review server. It is available at <https://review.typo3.org/56046>

### #7 - 2018-03-12 14:46 - Felix Buenemann

**Wouter Wolters:** The bad thing is that this currently breaks code silently, no exception is thrown for code that uses the old list of headers format, but the headers will not be sent.

For example I was using it to do conditional GET requests with an If-None-Match Header and after upgrading to 8.7 it started always fetching the full response, because the header was not correctly added.

So it would be great if someone could take a look at my Gerrit change that adds backwards compatibility.

### #8 - 2018-03-14 16:32 - Gerrit Code Review

Patch set 3 for branch **master** of project **Packages/TYPO3.CMS** has been pushed to the review server.

It is available at <https://review.typo3.org/56046>

**#9 - 2018-03-14 16:35 - Gerrit Code Review**

Patch set 4 for branch **master** of project **Packages/TYPO3.CMS** has been pushed to the review server.  
It is available at <https://review.typo3.org/56046>

**#10 - 2018-03-14 16:49 - Gerrit Code Review**

Patch set 5 for branch **master** of project **Packages/TYPO3.CMS** has been pushed to the review server.  
It is available at <https://review.typo3.org/56046>

**#11 - 2018-03-14 17:21 - Gerrit Code Review**

Patch set 6 for branch **master** of project **Packages/TYPO3.CMS** has been pushed to the review server.  
It is available at <https://review.typo3.org/56046>

**#12 - 2018-03-14 17:51 - Gerrit Code Review**

Patch set 1 for branch **TYPO3\_8-7** of project **Packages/TYPO3.CMS** has been pushed to the review server.  
It is available at <https://review.typo3.org/56149>

**#13 - 2018-03-14 18:00 - Felix Buenemann**

- *Status changed from Under Review to Resolved*
- *% Done changed from 0 to 100*

Applied in changeset [662fb9ae46a094b84d735aaebd0a3fef66b54f89](#).

**#14 - 2018-03-15 16:31 - Gerrit Code Review**

- *Status changed from Resolved to Under Review*

Patch set 2 for branch **TYPO3\_8-7** of project **Packages/TYPO3.CMS** has been pushed to the review server.  
It is available at <https://review.typo3.org/56149>

**#15 - 2018-03-15 21:30 - Felix Buenemann**

- *Status changed from Under Review to Resolved*

Applied in changeset [284411c14271eead0fb7a172bebcad83d713478f](#).

**#16 - 2018-10-02 10:50 - Benni Mack**

- *Status changed from Resolved to Closed*