

TYPO3.Flow - Bug # 35369

Status:	Resolved	Priority:	Must have
Author:	Adrian Föder	Category:	Property
Created:	2012-03-29	Assigned To:	Karsten Dambekalns
Updated:	2013-02-09	Due date:	
PHP Version:			
Has patch:	No		
Complexity:			
Affected Flow version: FLOW3 1.0.0			
Subject:	DateTimeConverter's timezone key leads to unexpected behavior		
Description			
<p>The doc comment of the DateTimeConverter says</p> <pre>1/** [...] 2 * By using an array as source you can also override time and timezone of the created DateTime object: 3 * array(4 * 'date' => '<dateString>', 5 * 'hour' => '<hour>', // integer 6 * 'minute' => '<minute>', // integer 7 * 'seconds' => '<seconds>', // integer 8 * 'timezone' => '<timezone>', // string, see http://www.php.net/manual/timezones.php 9 *); 10[...] 11</pre>			
<p>If the timezone is set (given), <code>\DateTime::setTimezone()</code> is called on the already-created object.</p>			
<p>But this method modifies the resulting date and time representation. Currently, the DateTime object is created via</p> <pre>\$date = \DateTime::createFromFormat(\$dateFormat, \$dateAsString);</pre>			
<p>So, if the user provided e.g. 15:04:23 and timezone EST (even compare to the html sample @ #27417), the following might happen:</p> <ol style="list-style-type: none"><code>\DateTime::createFromFormat()</code> creates a date representing 15:04:23 CET, because the server's default timezone is CET (e.g.),timezone EST is set from the source, so <code>->setTimezone()</code> is invoked, resulting in modifying the <code>\DateTime</code> object into 11:04:23 ESTbut the intended target date should be 15:04:23 EST (compare again the example @ #27417).			
<p>My suggestion would be a breaking change that throws <code>overrideTimezonelfSpecified()</code> away and finds the correct timezone at the</p> <pre>\$date = \DateTime::createFromFormat(\$dateFormat, \$dateAsString);</pre>			
<p>line. The third argument would then be the time zone.</p> <p>an additional way could be a workaround that finds out the difference between the current and the intended timezone, applies <code>->setTimezone()</code> and then <code>->modify()</code>s the DateTime object with that difference period.</p>			
Subtasks:			
Bug # 44213: DateTimeConverter's timezone key leads to unexpected behavior			Resolved

Related issues:

related to TYPO3.Flow - Feature # 27417: DateTime conversion support

Resolved**2011-06-14****Associated revisions**

Revision 49196a7c - 2012-07-10 09:46 - Karsten Dambekalns

[BUGFIX] Fix timezone override side effect in DateTimeConverter

Specifying a timezone override in DateTimeConverter would lead to wrong times due to the timezone being applied to the finished date instance, not upon creation.

Change-Id: I61cb944052d2372d6e12a051c2c584204b0680d7

Fixes: #35369

Releases: 1.1, 1.2

Revision 195ec432 - 2012-07-13 12:32 - Karsten Dambekalns

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History

#1 - 2012-04-03 12:13 - Bastian Waidelich

- Category changed from Validation to Object
- Priority changed from Should have to Must have
- Target version set to 1.1

Good catch! +1 for using the 3rd argument of DateTime::createFromFormat() to solve this. And we should add a unit test that reproduces the error.

#2 - 2012-05-25 09:40 - Karsten Dambekalns

- Target version changed from 1.1 to 1.1 RC1

#3 - 2012-06-25 22:20 - Karsten Dambekalns

- Category changed from Object to Property
- Target version changed from 1.1 RC1 to 1.1
- Affected Flow version changed from Git master to FLOW3 1.0.0

#4 - 2012-07-10 08:53 - Karsten Dambekalns

- Status changed from New to Accepted
- Assigned To set to Karsten Dambekalns

#5 - 2012-07-10 08:58 - 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 <http://review.typo3.org/12737>

#6 - 2012-07-10 09:46 - Gerrit Code Review

Patch set 2 for branch **master** has been pushed to the review server.

It is available at <http://review.typo3.org/12737>

#7 - 2012-07-12 15:15 - Gerrit Code Review

Patch set 1 for branch **FLOW3-1.1** has been pushed to the review server.

It is available at <http://review.typo3.org/12770>

#8 - 2012-07-12 15:35 - Karsten Dambekalns

- Status changed from Under Review to Resolved

- % Done changed from 0 to 100

Applied in changeset commit:49196a7cf539ce4eafb68e81d79fbfbfd265812a.

#9 - 2012-07-13 12:36 - Gerrit Code Review

- Status changed from Resolved to Under Review

Patch set 2 for branch **FLOW3-1.1** has been pushed to the review server.

It is available at <http://review.typo3.org/12770>

#10 - 2012-07-16 12:35 - Karsten Dambekalns

- Status changed from Under Review to Resolved

Applied in changeset commit:195ec432616c2e790b8d6421c9551b89cdd2fa2b.