

TYPO3.Flow - Bug #35369

DateTimeConverter's timezone key leads to unexpected behavior

2012-03-29 15:57 - Adrian Föder

Status:	Resolved	Start date:	2012-12-25
Priority:	Must have	Due date:	
Assignee:	Karsten Dambekalns	% Done:	100%
Category:	Property	Estimated time:	0.00 hour
Target version:	1.1	Complexity:	
PHP Version:			
Has patch:	No		

Description

The doc comment of the DateTimeConverter says

```
/** [...]  
 * By using an array as source you can also override time and timezone of the created DateTime  
object:  
 * array(  
 * 'date' => '<dateString>',  
 * 'hour' => '<hour>', // integer  
 * 'minute' => '<minute>', // integer  
 * 'seconds' => '<seconds>', // integer  
 * 'timezone' => '<timezone>', // string, see http://www.php.net/manual/timezones.php  
 * );  
[...]
```

If the timezone is set (given), \DateTime::setTimezone() is called on the already-created object.

But this method **modifies** the resulting date and time representation. Currently, the DateTime object is created via

```
$date = \DateTime::createFromFormat($dateFormat, $dateAsString);
```

So, if the user provided e.g. 15:04:23 and timezone EST (even compare to the html sample @ [#27417](#)), the following might happen:

1. \DateTime::createFromFormat() creates a date representing 15:04:23 CET, because the server's default timezone is CET (e.g.),
2. timezone EST is set from the source, so ->setTimezone() is invoked, resulting in modifying the \DateTime object into 11:04:23 EST
3. but the intended target date should be 15:04:23 EST (compare again the example @ [#27417](#)).

My suggestion would be a breaking change that throws overrideTimezoneIfSpecified() away and finds the correct timezone at the

```
$date = \DateTime::createFromFormat($dateFormat, $dateAsString);
```

line. The third argument would then be the time zone.

an additional way could be a workaround that finds out the difference between the current and the intended timezone, applies ->setTimezone() and then ->modify()s the DateTime object with that difference period.

Subtasks:

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

[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

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*

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

- Status changed from *New* to *Accepted*
- Assignee 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 [49196a7cf539ce4eafb68e81d79fbfbd265812a](https://review.typo3.org/12770).

#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 [195ec432616c2e790b8d6421c9551b89cdd2fa2b](#).