

## Redmine - Patch #22320

### Respect user's timezone when comparing / parsing Dates

2016-03-26 09:25 - Jens Krämer

<b>Status:</b>	Closed	<b>Start date:</b>	
<b>Priority:</b>	Normal	<b>Due date:</b>	
<b>Assignee:</b>	Jean-Philippe Lang	<b>% Done:</b>	0%
<b>Category:</b>	I18n	<b>Estimated time:</b>	0.00 hour
<b>Target version:</b>	3.3.0		
<b>Description</b>			
<p>This patch replaces all occurrences of <code>Date.today</code> with <code>User.current.today</code>.</p> <p><code>Date.today</code> always returns the date according to the server's local time zone, leading to all sorts of edge cases that occur more or less often depending on how large the offset between a user's timezone and the server timezone is. A test case illustrating the problem using <code>Issue#overdue?</code> as an example is included.</p> <p>The patch was extracted from <a href="#">Planio</a> and also includes the changes proposed earlier by Holger Just in #20473, with the addition of two test cases to cover the date manipulation changes in <code>Query#date_clause</code>.</p>			
<b>Related issues:</b>			
Related to Redmine - Defect # 16482: Wrong search query for timelog, when tim...		<b>New</b>	
Related to Redmine - Defect # 23189: Spent time by filter, offset by one day		<b>New</b>	
Related to Redmine - Feature # 6470: timezone adjust start/due date		<b>Closed</b>	<b>2010-09-23</b>
Duplicated by Redmine - Patch # 20473: Respect the user's timezone when query...		<b>Closed</b>	
Duplicated by Redmine - Defect # 19033: Filters that utilize date/time ignore...		<b>Closed</b>	

#### Associated revisions

##### Revision 15379 - 2016-05-07 12:42 - Jean-Philippe Lang

Replace `Date.today` with `User.current.today` (#22320).

Depending on the offset between a user's configured timezone and the server timezone, `Date.today` may be more or less often wrong from the user's perspective, leading to things like issues marked as overdue too early or too late, or yesterday / tomorrow being displayed / selected where 'today' is intended.

A test case illustrating the problem with `Issue#overdue?` is included

Patch by Jens Kraemer.

##### Revision 15381 - 2016-05-07 12:58 - Jean-Philippe Lang

Fixes `Query#date_clause` timezone handling (#22320).

When querying time fields based on date values these should be interpreted in the user's time zone, since that's what a user usually expects.

Patch by Jens Kraemer.

**Revision 15383 - 2016-05-07 13:06 - Jean-Philippe Lang**

Simplify User#today (#22320).

Patch by Jens Kraemer.

**Revision 15392 - 2016-05-07 20:30 - Jean-Philippe Lang**

Test failure with SQLServer (#22320).

**Revision 16938 - 2017-07-31 08:57 - Toshi MARUYAMA**

try IssueTest#test\_overdue failing on CI server at Japanese daytime (#22320)

**Revision 16951 - 2017-08-09 08:36 - Toshi MARUYAMA**

Merged r16938 from trunk to 3.4-stable (#22320)

try IssueTest#test\_overdue failing on CI server at Japanese daytime.

**Revision 16952 - 2017-08-09 08:38 - Toshi MARUYAMA**

Merged r16938 from trunk to 3.3-stable (#22320)

try IssueTest#test\_overdue failing on CI server at Japanese daytime.

**History**

---

**#1 - 2016-03-26 09:47 - Jan from Planio [www.plan.io](http://www.plan.io)**

- Target version set to Candidate for next minor release

**#2 - 2016-03-26 10:29 - Jan from Planio [www.plan.io](http://www.plan.io)**

- Duplicated by Patch #20473: Respect the user's timezone when querying issues added

**#3 - 2016-03-26 10:29 - Jan from Planio [www.plan.io](http://www.plan.io)**

- Duplicated by Defect #19033: Filters that utilize date/time ignore user's UTC offset added

**#4 - 2016-03-27 06:07 - Jens Krämer**

- File 0003-simplify-User-today.patch added

TimeZone actually has a today method, this patch changes User#today to use it.

**#5 - 2016-04-08 15:28 - Jan from Planio [www.plan.io](http://www.plan.io)**

- Related to Defect #16482: Wrong search query for timelog, when timezone not UTC added

**#6 - 2016-04-25 05:45 - Toshi MARUYAMA**

- Target version changed from Candidate for next minor release to 3.3.0

**#7 - 2016-05-07 13:07 - Jean-Philippe Lang**

- Category set to *I18n*
- Status changed from *New* to *Closed*
- Assignee set to *Jean-Philippe Lang*

Committed, thanks.

**#8 - 2016-06-29 18:16 - Jean-Philippe Lang**

- Related to Defect #23189: *Spent time by filter, offset by one day added*

**#9 - 2019-01-24 07:03 - Go MAEDA**

- Related to Feature #6470: *timezone adjust start/due date added*

**Files**

---

0001-Replace-Date.today-with-User.current.today.patch	21.8 KB	2016-03-26	Jens Krämer
0002-Fixes-Query-date_clause-timezone-handling.patch	3.74 KB	2016-03-26	Jens Krämer
0003-simplify-User-today.patch	639 Bytes	2016-03-27	Jens Krämer