

Redmine - Defect #30288

Groups are incorrect when grouping by date without user timezone set

2018-12-28 07:22 - Mizuki ISHIKAWA

Status: Closed	Start date:
Priority: Normal	Due date:
Assignee: Jean-Philippe Lang	% Done: 0%
Category: Issues filter	Estimated time: 0.00 hour
Target version:	Affected version:
Resolution: Fixed	

Description

The following problems may occur when grouping by date (TimeWithZone).

1. group count is not displayed
2. The displayed created_on and group name date are different

Precondition:

1. Use PostgreSQL or MySQL
2. Database time zone is JST (It is not just JST)
3. User's time zone is unset (User.current.time_zone is nil)

grouping_issues.png

```
pry(main)> Issue.find(3).created_on
Wed, 19 Jul 2006 19:07:27 UTC +00:00

pry(main)> Issue.find(2).created_on
Wed, 19 Jul 2006 19:04:21 UTC +00:00

pry(main)> Issue.find(2).created_on.localtime.to_date # JST
Thu, 20 Jul 2006

pry(main)> Issue.find(2).created_on.to_date # UTC
Wed, 19 Jul 2006
```

In environments where the above conditions apply, the test of "IssuesControllerTest#test_index_grouped_by_created_on [test/functional/issues_controller_test.rb:365]" fails.

related: #13803

Related issues:

Related to Redmine - Feature # 13803: Implement grouping issues by date (star...	Closed
Related to Redmine - Defect # 31620: ActivitiesControllerTest#test_previous_p...	Closed

Associated revisions

Revision 18264 - 2019-06-20 08:23 - Jean-Philippe Lang

Groups are incorrect when grouping by date without user timezone set.

Revision 18284 - 2019-06-20 10:14 - Jean-Philippe Lang

Test failure with mysql (#30288).

Revision 18315 - 2019-06-25 02:02 - Go MAEDA

test_page_with_activity fails depending on the current time and zone (#30288).

Patch by Mizuki ISHIKAWA.

Revision 18316 - 2019-06-25 09:35 - Go MAEDA

test_previous_project_index fails depending on the current time and zone (#30288, #31620).

Patch by Mizuki ISHIKAWA.

History

#1 - 2018-12-28 07:53 - Go MAEDA

- Related to Feature #13803: Implement grouping issues by date (start, due, creation, update, closing dates) added

#2 - 2018-12-29 05:21 - Marius BALTEANU

- Description updated

#3 - 2018-12-30 08:53 - Marius BALTEANU

Do you think that it can have any connection with the issue from #16482?

#4 - 2019-01-04 07:38 - Mizuki ISHIKAWA

- File fix-30288-v1.patch added

Marius BALTEANU wrote:

| Do you think that it can have any connection with the issue from #16482?

I think that this problem is a different problem from #16482.

source:/trunk/app/helpers/queries_helper.rb#L139 returned nil when the test failed.

At that time, result_count_by_group was {Thu, 20 Jul 2006=>2} and group was "Wed, 19 Jul 2006".

Issue 's created_on was converted to different time zones, **JST** and **UTC**, so they were on different dates.

I think that time zones when converting time to date should be unified, but the default time zone when changing Redmine's time to date is not unified.

method name	time zone	source
i18n#format_time	localtime (Database time zone)	source:/trunk/lib/redmine/i18n.rb#L81
User#time_to_date	UTC	source:/trunk/app/models/user.rb#L543

I attached a patch with the default timezone of User#time_to_date change to localtime (Database time zone).

In my environment, applying this patch solves the problem.

#5 - 2019-01-13 03:46 - Marius BALTEANU

- Assignee set to Jean-Philippe Lang
- Target version set to 4.1.0

#6 - 2019-02-03 07:48 - Go MAEDA

- Category set to Issues filter

#7 - 2019-06-20 08:24 - Jean-Philippe Lang

- Subject changed from Group name and group count are incorrect when grouping by date (TimeWithZone) to Groups are incorrect when grouping by date without user timezone set
- Status changed from New to Closed
- Resolution set to Fixed

Patch committed, thanks!

#8 - 2019-06-20 08:30 - Go MAEDA

- Target version deleted (4.1.0)

Removing the target version. This fix is a part of #13803 which will be delivered in upcoming 4.1.0, so it is not necessary to publish in the changelog.

#9 - 2019-06-24 01:30 - Go MAEDA

- Status changed from Closed to Reopened

r18264 broke a test. Probably it fails depending on the current time.

```
$ date -R ; bin/rails test test/functional/my_controller_test.rb:204
Mon, 24 Jun 2019 08:29:07 +0900
Run options: --seed 30392
```

```
# Running:
```

```
F
```

```
Failure:
```

```
MyControllerTest#test_page_with_activity [/Users/maeda/redmines/redmine-trunk/test/functional/my_controller_test.rb:212]:
Expected at least 1 element matching "a[href="/activity?from=2019-06-23&user_id=2"]", found 0..
Expected 0 to be >= 1.
```

```
bin/rails test test/functional/my_controller_test.rb:204
```

#10 - 2019-06-24 07:33 - Mizuki ISHIKAWA

Go MAEDA wrote:

```
| r18264 broke a test. Probably it fails depending on the current time.
```

```
| [...]
```

I think that the test succeeds by changing as below.

```
diff --git a/test/functional/my_controller_test.rb b/test/functional/my_controller_test.rb
index 069cfdc336..81df1d56c4 100644
--- a/test/functional/my_controller_test.rb
+++ b/test/functional/my_controller_test.rb
@@ -205,13 +205,14 @@ class MyControllerTest < Redmine::ControllerTest
  user = User.find(2)
  user.pref.my_page_layout = {'top' => ['activity']}
  user.pref.save!
+ latest_issue = Issue.generate!

  get :page
  assert_response :success

  assert_select 'div#block-activity' do
    assert_select 'h3' do
-   assert_select 'a[href=?]', activity_path(from: Date.current, user_id: user.id), :text => 'Activity'
+   assert_select 'a[href=?]', activity_path(from: user.time_to_date(latest_issue.created_on), user_id: user.id), :text => 'Activity'
    end
    assert_select 'div#activity' do
      assert_select 'dt', 10
```

#11 - 2019-06-24 08:43 - Mizuki ISHIKAWA

This change may be better than the #30288#note-10 change.

```
diff --git a/test/functional/my_controller_test.rb b/test/functional/my_controller_test.rb
index 069cfdc336..42a028d407 100644
--- a/test/functional/my_controller_test.rb
+++ b/test/functional/my_controller_test.rb
@@ -204,6 +204,7 @@ class MyControllerTest < Redmine::ControllerTest
  def test_page_with_activity
    user = User.find(2)
    user.pref.my_page_layout = {'top' => ['activity']}
+   user.pref.time_zone = 'UTC'
    user.pref.save!

    get :page
@@ -211,7 +212,7 @@ class MyControllerTest < Redmine::ControllerTest

  assert_select 'div#block-activity' do
    assert_select 'h3' do
-   assert_select 'a[href=?]', activity_path(from: Date.current, user_id: user.id), :text => 'Activity'
+   assert_select 'a[href=?]', activity_path(from: User.current.today, user_id: user.id), :text => 'Activity'
    end
    assert_select 'div#activity' do
      assert_select 'dt', 10
```

#12 - 2019-06-25 02:07 - Go MAEDA

- Status changed from Reopened to Closed

Go MAEDA wrote:

| *r18264 broke a test. Probably it fails depending on the current time.*
|
| [...] |

Committed the fix written by Mizuki Ishikawa in r18315.

#13 - 2019-06-25 09:28 - Go MAEDA

- Related to Defect #31620: *ActivitiesControllerTest#test_previous_project_index fails depending on the current time and zone added*

Files

grouping_issues.png	73.4 KB	2018-12-28	Mizuki ISHIKAWA
fix-30288-v1.patch	4.15 KB	2019-01-04	Mizuki ISHIKAWA