

Redmine - Defect #10405

TimeZone information lost when import from scm (utc timezone for server)

2012-03-08 13:17 - Nickolay Mischenko

Status:	New	Start date:	
Priority:	Normal	Due date:	
Assignee:		% Done:	0%
Category:	SCM	Estimated time:	0.00 hour
Target version:		Affected version:	
Resolution:			

Description

Good day, community

Reproduce

I have:

- redmine 1.2.1 stable installed
- svn 1.6 installed on same server
- utc timezone for redmine set (config.active_record.default_timezone = :utc)
- one project with associated svn repository

What I do:

1. I commit my revision 5755 in issue 1379 at 8.3.2012 00.38 UTC (local time - 8.3.2012 11.38 UTC+11)

What I see:

1. Right after that, in issue 1379 view, I see revision time: 8.3.2012 21.38 (view user profile time - UTC+10)
2. Even if I logged as another user (view user profile - UTC) I see revision time: 8.3.2012 11.38am

What I suppose to see:

1. Revision time must be 8.3.2012 11.38 in my local time or 8.3.2012 00.38 in UTC

Why it happens?

I think it happend when using Time instead Time.zone to write values to ActiveRecord.datetime fields.

I've check:

1. svnlook info -r 5757 /var/svn gives me right time - 2012-03-08 11:38:01 +1100
2. mysql gives me real database info: changesets.committed_on = "2012-03-08 11:38:01" mean it's written wrong (server uses utc time to write, no timezone correction made)

After some investigation I found that time readed from svn readed as Time object, not Time.zone, even in 1.3.1, see: [svn adapter, line 190](#)

In this case, Time.zone.parse should be used instead of Time.parse, but another scm adapters also used Time.parse, and there is more correct way to fix this error: in Changeset#committed_on=

```
def committed_on(date)
  Time.zone = "UTC"
  date = date.in_time_zone if date.respond_to?(:in_time_zone)
  self.commit_date = date
  super
end
```

It solve problem in my turn, but one problem that Time.zone UTC hardcoded used, anyone suppose better solution?

I've found, that another issues related to this:

- #5657, seems to very like my one
- #6145, is subset of this

Information:

Redmine 1.2.1.stable.6316 (MYSQL)
Ruby version 1.8.7 (i486-linux)
RubyGems version 1.3.6
Rack version 1.1
Rails version 2.3.11
Active Record version 2.3.11
Active Resource version 2.3.11
Action Mailer version 2.3.11
Active Support version 2.3.11
Application root /var/www-apps/redmine
Environment production
Database adapter mysql
Database schema version 20110511000000