

## Redmine - Patch #32025

### mail\_body method in test/test\_helper.rb raises an exception if the message is not multipart

2019-09-06 06:56 - Yuichi HARADA

<b>Status:</b>	Closed	<b>Start date:</b>	
<b>Priority:</b>	Normal	<b>Due date:</b>	
<b>Assignee:</b>	Go MAEDA	<b>% Done:</b>	0%
<b>Category:</b>	Code cleanup/refactoring	<b>Estimated time:</b>	0.00 hour
<b>Target version:</b>	4.1.0		

#### Description

```
$ RAILS_ENV=test bundle exec rake db:migrate:reset
```

```
$ RAILS_ENV=test bundle exec rake test TESTOPTS="--seed 4619"
```

```
.....E
```

Error:

```
RepositoryTest#test_scan_changesets_for_issue_ids:
```

```
NoMethodError: undefined method `body' for nil:NilClass
```

```
test/test_helper.rb:253:in `mail_body'
```

```
test/test_helper.rb:238:in `assert_mail_body_match'
```

```
test/unit/repository_test.rb:275:in `block in test_scan_changesets_for_issue_ids'
```

```
test/unit/repository_test.rb:271:in `each'
```

```
test/unit/repository_test.rb:271:in `test_scan_changesets_for_issue_ids'
```

```
bin/rails test test/unit/repository_test.rb:237
```

The test failed because Settings.plain\_text\_mail is not set.

Solved by the following patch.

```
diff --git a/test/unit/repository_test.rb b/test/unit/repository_test.rb
index 1d7d572c3..18bec60f0 100644
--- a/test/unit/repository_test.rb
+++ b/test/unit/repository_test.rb
@@ -235,49 +235,53 @@ class RepositoryTest < ActiveSupport::TestCase
  end

  def test_scan_changesets_for_issue_ids
-   Setting.default_language = 'en'
-   Setting.commit_ref_keywords = 'refs , references, IssueID'
-   Setting.commit_update_keywords = [
-     {'keywords' => 'fixes , closes',
-      'status_id' => IssueStatus.where(:is_closed => true).first.id,
-      'done_ratio' => '90'}
-   ]
-   Setting.default_language = 'en'
-   ActionMailer::Base.deliveries.clear
-
-   # make sure issue 1 is not already closed
-   fixed_issue = Issue.find(1)
-   assert !fixed_issue.closed?
-   old_status = fixed_issue.status
```

```

-
+ with_settings :notified_events => %w(issue_added issue_updated) do
+   with_settings(
+     :default_language => 'en',
+     :commit_ref_keywords => 'refs , references, IssueID',
+     :commit_update_keywords => [
+       {
+         'keywords' => 'fixes , closes',
+         'status_id' => IssueStatus.where(:is_closed => true).first.id,
+         'done_ratio' => '90'
+       }
+     ],
+     :notified_events => %w(issue_added issue_updated),
+     :plain_text_mail => '0'
+   ) do
+     ActionMailer::Base.deliveries.clear
+
+     # make sure issue 1 is not already closed
+     fixed_issue = Issue.find(1)
+     assert !fixed_issue.closed?
+     old_status = fixed_issue.status
+
+     Repository.scan_changesets_for_issue_ids
-   end
-   assert_equal [101, 102], Issue.find(3).changeset_ids
-
-   # fixed issues
-   fixed_issue.reload
-   assert fixed_issue.closed?
-   assert_equal 90, fixed_issue.done_ratio
-   assert_equal [101], fixed_issue.changeset_ids
-
-   # issue change
-   journal = fixed_issue.journals.reorder('created_on desc').first
-   assert_equal User.find_by_login('dlopper'), journal.user
-   assert_equal 'Applied in changeset r2.', journal.notes
-
-   # 5 email notifications, 2 for #1, 3 for #2
-   assert_equal 5, ActionMailer::Base.deliveries.size
-   ActionMailer::Base.deliveries.first(2).each do |mail|
-     assert_not_nil mail
-     assert mail.subject.starts_with?(
-       "[#{fixed_issue.project.name} - #{fixed_issue.tracker.name} ##{fixed_issue.id}]"
-     )
-     assert_mail_body_match(
-       "Status changed from #{old_status} to #{fixed_issue.status}", mail
-     )
-   end
+   assert_equal [101, 102], Issue.find(3).changeset_ids
+
+   # fixed issues
+   fixed_issue.reload
+   assert fixed_issue.closed?
+   assert_equal 90, fixed_issue.done_ratio
+   assert_equal [101], fixed_issue.changeset_ids

```

```

+
+ # issue change
+ journal = fixed_issue.journals.reorder('created_on desc').first
+ assert_equal User.find_by_login('dlopper'), journal.user
+ assert_equal 'Applied in changeset r2.', journal.notes
+
+ # 5 email notifications, 2 for #1, 3 for #2
+ assert_equal 5, ActionMailer::Base.deliveries.size
+ ActionMailer::Base.deliveries.first(2).each do |mail|
+   assert_not_nil mail
+   assert mail.subject.starts_with?(
+     "[#{fixed_issue.project.name} - #{fixed_issue.tracker.name} ##{fixed_issue.id}]")
+   assert_mail_body_match(
+     "Status changed from #{old_status} to #{fixed_issue.status}", mail)
+ end

- # ignoring commits referencing an issue of another project
- assert_equal [], Issue.find(4).changesets
+ # ignoring commits referencing an issue of another project
+ assert_equal [], Issue.find(4).changesets
+ end
end

def test_for_changeset_comments_strip

```

## Associated revisions

**Revision 18465 - 2019-09-13 10:51 - Go MAEDA**

mail\_body method in test/test\_helper.rb raises an exception if the message is not multipart (#32025).

This change fixes random test failures.

## History

**#1 - 2019-09-13 02:47 - Go MAEDA**

- Target version set to Candidate for next major release

Thank you for catching and investigating the issue.

The root cause of the issue is that mail\_body method in test/test\_helper.rb supports only multi-part messages and does not support plaintext messages.

I think it is better to change mail\_body method to support plaintext messages as well.

```

diff --git a/test/test_helper.rb b/test/test_helper.rb
index 390ea92b4..6a6fd7fa5 100644
--- a/test/test_helper.rb
+++ b/test/test_helper.rb
@@ -250,7 +250,7 @@ class ActiveSupport::TestCase
   end

```

```
def mail_body(mail)
- mail.parts.first.body.encoded
+ (mail.multipart? ? mail.parts.first : mail).body.encoded
end

# Returns the lft value for a new root issue
```

## #2 - 2019-09-13 03:58 - Yuichi HARADA

Go MAEDA wrote:

*The root cause of the issue is that mail\_body method in test/test\_helper.rb supports only multi-part messages and does not support plaintext messages.*

*I think it is better to change mail\_body method to support plaintext messages as well.*

[...]

+1

I agree. Setting of Setting.plain\_text\_mail is not directly related to the acquisition of mail body.

## #3 - 2019-09-13 10:52 - Go MAEDA

- Subject changed from RepositoryTest#test\_scan\_changesets\_for\_issue\_ids randomly fails to mail\_body method in test/test\_helper.rb raises an exception if the message is not multipart
- Status changed from New to Closed
- Assignee set to Go MAEDA
- Target version changed from Candidate for next major release to 4.1.0

Committed the fix. Thank you for catching the issue.