

## Redmine - Defect #21742

### Received text attachments doesn't hold the original encoding on Ruby >= 2.1

2016-01-17 18:44 - Pavel Rosický

<b>Status:</b>	Closed	<b>Start date:</b>															
<b>Priority:</b>	Normal	<b>Due date:</b>															
<b>Assignee:</b>		<b>% Done:</b>	0%														
<b>Category:</b>	Email receiving	<b>Estimated time:</b>	0.00 hour														
<b>Target version:</b>	3.3.0	<b>Affected version:</b>															
<b>Resolution:</b>																	
<b>Description</b>																	
<p>Hello, if I send an email with .txt file encoded in ISO 8859-2, it's received from the mailbox and saved to /files, but the encoding is different (some characters are lost). I think this is originally caused by the utf-8 header added by email clients. In my opinion attachments shouldn't be reencoded. Am I missed something?</p> <p>Attached patch fixes the issue.</p> <pre>Content-Type: text/plain; charset=utf-8 Content-Transfer-Encoding: base64</pre> <p>Environment:</p> <table><tr><td>Redmine version</td><td>3.2.0.devel.15058</td></tr><tr><td>Ruby version</td><td>2.1.5-p273 (2014-11-13) [i386-mingw32]</td></tr><tr><td>Rails version</td><td>4.2.5</td></tr><tr><td>Environment</td><td>production</td></tr><tr><td>Database adapter</td><td>Mysql2</td></tr></table> <p>SCM:</p> <table><tr><td>Subversion</td><td>1.8.13</td></tr><tr><td>Git</td><td>1.9.5</td></tr></table> <p>Filesystem</p> <p>Redmine plugins: no plugin installed</p>				Redmine version	3.2.0.devel.15058	Ruby version	2.1.5-p273 (2014-11-13) [i386-mingw32]	Rails version	4.2.5	Environment	production	Database adapter	Mysql2	Subversion	1.8.13	Git	1.9.5
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#### Associated revisions

##### Revision 15183 - 2016-03-04 07:55 - Toshi MARUYAMA

add test which ensure received mail text attachment keeps original encoding (#21742)

This test fails on Ruby >= 2.1 and will be fixed by next revision.

Contributed by Pavel Rosický.

##### Revision 15184 - 2016-03-04 07:56 - Toshi MARUYAMA

fix received mail text attachment does not keep original encoding on Ruby >= 2.1 (#21742)

Contributed by Pavel Rosický.

##### Revision 15185 - 2016-03-04 07:59 - Toshi MARUYAMA

svn propset svn:eol-style native fixture (#21742)

#### History

##### #1 - 2016-01-17 23:55 - Toshi MARUYAMA

- Status changed from New to Needs feedback

Could you add test?

- [source:tags/3.2.0/test/unit/mail\\_handler\\_test.rb#L563](https://source.redmine.org/3.2.0/test/unit/mail_handler_test.rb#L563)
- [source:tags/3.2.0/test/fixtures/mail\\_handler/gmail\\_with\\_attachment\\_iso-8859-1.eml](https://source.redmine.org/3.2.0/test/fixtures/mail_handler/gmail_with_attachment_iso-8859-1.eml)

## #2 - 2016-01-18 11:55 - Pavel Rosický

- File `mail_handler_test.rb.patch` added

Done

## #3 - 2016-01-18 11:56 - Pavel Rosický

- File `ticket_with_text_attachment_iso-8859-2.eml.patch` added

## #4 - 2016-02-08 09:40 - Toshi MARUYAMA

I cannot reproduce on trunk [r15148](#) with ruby-1.9.3-p551.

Test passes **without** [mail\\_handler.rb.patch](#).

You can see latin2 encoded file in `files/` directory with following change.

```
diff --git a/app/models/attachment.rb b/app/models/attachment.rb
--- a/app/models/attachment.rb
+++ b/app/models/attachment.rb
@@ -53,7 +53,7 @@ class Attachment < ActiveRecord::Base
   @@thumbnails_storage_path = File.join(Rails.root, "tmp", "thumbnails")

   before_create :files_to_final_location
-  after_rollback :delete_from_disk, :on => :create
+  # after_rollback :delete_from_disk, :on => :create
   after_commit :delete_from_disk, :on => :destroy

   # Returns an unsaved copy of the attachment

$ ruby test/unit/mail_handler_test.rb -n test_mail_with_attachment_latin2
Run options: -n test_mail_with_attachment_latin2 --seed 14783

# Running:
.

Finished in 2.025752s, 0.4936 runs/s, 3.4555 assertions/s.

1 runs, 7 assertions, 0 failures, 0 errors, 0 skips
$ cat files/2016/02/160208173558_yourfile.txt | iconv -f latin2 -t utf8
přiliš žluočký kůn
```

## #5 - 2016-02-08 10:49 - Pavel Rosický

- File `encoded.txt` added

- File `original.txt` added

retested against revision [r15148](#) without `mail_handler.rb.patch`

MailHandlerTest#test\_mail\_with\_attachment\_latin2 [C:/redmine svn/test/unit/mail\_handler\_test.rb:590]:

Expected: 19

Actual: 12

About your application's environment

Rails version 4.2.5.1

Ruby version 2.1.5-p273 (x64-mingw32)

RubyGems version 2.2.3

Rack version 1.6.4

Middleware Rack::Sendfile, ActionDispatch::Static, Rack::Lock, #<

ActiveSupport::Cache::Strategy::LocalCache::Middleware:0x000000094378e0>, Rack::

Runtime, Rack::MethodOverride, ActionDispatch::RequestId, Rails::Rack::Logger, A

ctionDispatch::ShowExceptions, ActionDispatch::DebugExceptions, ActionDispatch::

Remotelp, ActionDispatch::Reloader, ActionDispatch::Callbacks, ActiveRecord::Con

nectionAdapters::ConnectionManagement, ActiveRecord::QueryCache, ActionDispatch:

:Cookies, ActionDispatch::Session::CookieStore, ActionDispatch::Flash, ActionDis

patch::ParamsParser, ActionDispatch::XmlParamsParser, Rack::Head, Rack::Conditio

nalGet, Rack::ETag, Rack::ContentLength, RequestStore::Middleware, OpenIdAuthent

ication

Application root C:/redmine svn

Environment development

Database adapter mysql2

Database schema version 20151031095005

Environment:  
Redmine version 3.2.0.devel  
Ruby version 2.1.5-p273 (2014-11-13) [x64-mingw32]  
Rails version 4.2.5.1  
Environment production  
Database adapter Mysql2  
SCM:  
Git 1.9.5  
Filesystem  
Redmine plugins:  
no plugin installed

no other tests are failing (except IssueNestedSetConcurrencyTest which supposed to be a known problem on mysql) and with mail\_handler.rb.patch applied this one passes as well.

IssueNestedSetConcurrencyTest#test\_concurrency [C:/redmine svn/test/unit/issue\_nested\_set\_concurrency\_test.rb:45]:  
Expected "Mysql2::Error: Deadlock found when trying to get lock; try restarting transaction: SELECT `issues`.`id` FROM `issues` WHERE (root\_id IN (SELECT root\_id FROM issues WHERE id IN (800,794))) ORDER BY `issues`.`id` ASC FOR UPDATE" to be nil.

I attached both attachments, the original and the one saved to files (encoded.txt). Maybe it depends on the environment, I'll try to find out.

#### #6 - 2016-02-09 00:38 - Pavel Rosický

[toshio harita](#) MARUYAMA - could you retest it on a more recent Ruby version?

passed - ruby 1.9.3p551 (2014-11-13) [i386-mingw32]  
failed - ruby 2.1.5p273 (2014-11-13 revision 48405) [i386-mingw32]  
failed - ruby 2.2.3p173 (2015-08-18 revision 51636) [x64-mingw32]  
failed - jruby 9.0.5.0-SNAPSHOT (2.2.3) 2016-01-20 775b79d Java HotSpot(TM) 64-Bit Server

#### #7 - 2016-03-04 07:46 - Toshi MARUYAMA

- Target version set to 3.3.0

#### #8 - 2016-03-04 07:47 - Toshi MARUYAMA

- Tracker changed from Patch to Defect

- Subject changed from Received text attachments doesn't hold the original encoding to Received text attachments doesn't hold the original encoding on Ruby >= 2.1

- Status changed from Needs feedback to New

#### #9 - 2016-03-04 08:43 - Toshi MARUYAMA

- Status changed from New to Closed

Committed in trunk, thanks.

I have reported to upstream.

<https://github.com/mikel/mail/issues/972>

#### Files

mail_handler.rb.patch	639 Bytes	2016-01-17	Pavel Rosický
mail_handler_test.rb.patch	1.15 KB	2016-01-18	Pavel Rosický
ticket_with_text_attachment_iso-8859-2.eml.patch	1.2 KB	2016-01-18	Pavel Rosický
original.txt	19 Bytes	2016-02-08	Pavel Rosický
encoded.txt	12 Bytes	2016-02-08	Pavel Rosický