

Redmine - Patch #15785

Support more character encodings in incoming emails

2013-12-30 10:34 - Felix Schäfer

Status: Closed	Start date:
Priority: Normal	Due date:
Assignee:	% Done: 0%
Category: Email receiving	Estimated time: 0.00 hour
Target version: 2.5.0	

Description

The MailHandler currently tries to convert the encoding of the body of incoming emails to UTF-8 by directly passing the charset of the email body to `Redmine::CodesetUtil.to_utf8`, see source: `/trunk/app/models/mail_handler.rb@12473#L413`. `Redmine::CodesetUtil.to_utf8` in turn only handles encodings known to Ruby (on 1.9+), which might not be the case for the charset of an incoming email.

[Planio](#) recently had the case of a user sending emails in Korean with the charset `ks_c_5601-1987`, which Ruby doesn't know about. This can be mitigated thanks to [Mail::RubyVer.pick_encoding](#) which will try to pick a Ruby encoding compatible with the charset of the email ([Mail::RubyVer](#) is a wrapper for the correct functions for the current Ruby version).

I will post a patch for this shortly.

Related issues:

Related to Redmine - Patch # 18047: MailHandler: Don't use String#respond_to?...	Closed
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Associated revisions

Revision 12474 - 2014-01-01 06:54 - Toshi MARUYAMA

support more character encoding in incoming emails (#15785)

Supporting encodings of iconv on Ruby 1.8 depend on iconv implementation.
glibc-common-2.12-1.132 on CentOS6 does not support `ks_c_5601-1987`.

Contributed by Felix Schäfer.

Revision 12475 - 2014-01-01 06:57 - Toshi MARUYAMA

svn propset svn:eol-style native test fixture (#15785)

History

#1 - 2013-12-30 11:33 - Felix Schäfer

- File 15785.patch added

Here is the patch with a test.

#2 - 2013-12-30 11:37 - Jan from Planio www.plan.io

- Status changed from New to Confirmed
- Target version set to Candidate for next minor release

#3 - 2013-12-30 11:42 - Jan from Planio www.plan.io

- *Tracker changed from Defect to Patch*

#4 - 2013-12-31 08:48 - Toshi MARUYAMA

This patch looks good.

But, Korean encoding detection is in mail 2.5.4.

<https://github.com/mikel/mail/commit/88457e66ec5b298bd198b5c3b6739f05320a16ee>

Many users posted that mail 2.5.4 has trouble on redmine.org.

For test passes, we need to restrict mail 2.5.4 in Gemfile.

#5 - 2013-12-31 08:52 - Toshi MARUYAMA

Toshi MARUYAMA wrote:

This patch looks good.

But, Korean encoding detection is in mail 2.5.4.

<https://github.com/mikel/mail/commit/88457e66ec5b298bd198b5c3b6739f05320a16ee>

This means in mail 2.5.4, not in mail 2.5.3.

#6 - 2013-12-31 09:00 - Toshi MARUYAMA

It seems Mail::VERSION returns mail version.

<https://github.com/mikel/mail/blob/2-5-stable/lib/mail/version.rb>

#7 - 2013-12-31 14:28 - Felix Schäfer

Mail::VERSION.version returns the version of the Mail gem indeed.

I know korean would only work with Mail 2.5.4, and we don't mind requiring it in the Planio Gemfiles to make sure it is supported for us. I think the patch is useful even with earlier versions of the Mail gem, as Mail::RubyVer.pick_encoding is available in earlier versions too and still adds more supported encodings. I agree with you that the test I've written would require Mail 2.5.4 though, you are right.

Should I write a new test that makes sure that the patch works but doesn't require 2.5.4?

Furthermore, what type of errors do users encounter with Mail 2.5.4?

#8 - 2014-01-01 06:48 - Toshi MARUYAMA

- *Subject changed from Support more charsets in incoming emails to Support more charctor encoding in incoming emails*

#9 - 2014-01-01 06:50 - Toshi MARUYAMA

- *Subject changed from Support more charctor encoding in incoming emails to Support more character encoding in incoming emails*

#10 - 2014-01-01 06:59 - Toshi MARUYAMA

- *Subject changed from Support more character encoding in incoming emails to Support more character encodings in incoming emails*

#11 - 2014-01-01 07:10 - Toshi MARUYAMA

Felix Schäfer wrote:

| *Furthermore, what type of errors do users encounter with Mail 2.5.4?*

See #13698.

But Rails 3.2.16 requires mail 2.5.4 or higher.

<https://github.com/rails/rails/blame/v3.2.16/actionmailer/actionmailer.gemspec#L23>

#12 - 2014-01-01 08:48 - Toshi MARUYAMA

- *Target version changed from Candidate for next minor release to 2.5.0*

#13 - 2014-01-06 05:31 - Toshi MARUYAMA

- *Status changed from Confirmed to Closed*

Committed in trunk r12474 and tests pass, thanks.

#14 - 2014-01-06 08:44 - Felix Schäfer

Great to hear, thanks!

#15 - 2014-01-22 10:12 - Anton Nepomnyaschih

Is it duplicate for #14675 ? Can we update our Redmine and get the Defect fixed? =)

#16 - 2014-02-17 12:13 - Toshi MARUYAMA

- *Duplicated by Defect #14675: redmine:email:receive_imap failed with localizaed characters in mail body added*

#17 - 2014-02-17 12:14 - Toshi MARUYAMA

Anton Nepomnyaschih wrote:

| *Is it duplicate for #14675 ? Can we update our Redmine and get the Defect fixed? =)*

Thank you for your pointing.

#18 - 2014-02-17 12:27 - Toshi MARUYAMA

- *Duplicated by deleted (Defect #14675: redmine:email:receive_imap failed with localizaed characters in mail body)*

#19 - 2014-10-08 16:07 - Toshi MARUYAMA

- *Related to Patch #18047: MailHandler: Don't use String#respond_to?(:force_encoding) to differentiate between Ruby 1.8 and Ruby 1.9 added*

Files
