

## Redmine - Patch #15785

### Support more character encodings in incoming emails

2013-12-30 10:34 - Felix Schäfer

<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> 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?...	<b>Closed</b>
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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](http://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](http://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*

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**Files**

