Redmine - Feature #31154

Reject setting RFC non-compliant emission email addresses

2019-04-06 07:00 - Go MAEDA

Status:	Closed		**Start date:**	
Priority:	Normal		**Due date:**	
Assignee:	Go MAEDA		**% Done:**	0%
Category:	Administration		**Estimated time:**	0.00 hour
Target version:	4.1.0			
Resolution:	Fixed			

Description

RFC non-compliant emission causes Mail::Field::IncompleteParseError while performing email delivery and breaks email notification. No email notifications are delivered if Setting.mail_from has an RFC non-compliant value. The problem occurs in r17870 or later.

```
[ActiveJob] [ActionMailer::DeliveryJob] [f5bd6903-4f3f-4f40-9d9a-36ab998126e8] Error performing ActionMailer::DeliveryJob (Job ID: f5bd6903-4f3f-4f40-9d9a-36ab998126e8) from Async(mailers) in 1.2ms: Mail::Field::IncompleteParseError (Mail::AddressList can not parse |Redmine[xyz] <redmine@example.com>|: Only able to parse up to "Redmine"):
```

To avoid this, I think a validation for Setting.mail_from that rejects RFC non-compliant value should be implemented. It can be implemented using Mail::Address.new.

```
irb(main):001:0> Mail::Address.new('Redmine[xyz] <redmine@example.com>')
Traceback (most recent call last):
Mail::Field::IncompleteParseError (Mail::AddressList can not parse |Redmine[xyz] <redmine@example.com>|: Only able to parse up to "Redmine")
```

Related issues:

Related to Redmine - Feature #5913: Authors name in from address of email no...	**Closed**	**2010-07-20**

Associated revisions

Revision 18396 - 2019-08-26 06:18 - Go MAEDA

Reject setting RFC non-compliant emission email addresses (#31154).

Patch by Mizuki ISHIKAWA.

Revision 18434 - 2019-09-05 09:22 - Go MAEDA

Fix that test_mail_from_format_should_be_validated randomly fails (#31154).

Patch by Yuichi HARADA.

History

#1 - 2019-04-07 04:05 - Go MAEDA

- Related to Feature #5913: Authors name in from address of email notifications added

#2 - 2019-04-09 01:36 - Go MAEDA

A workaround for this issue is committed in r18050. Redmine works as same as before r17870 and never raises an exception when the emission email address is not RFC compliant.

But I think this proposed validation is still necessary. Redmine should make an effort not to send emails which violates RFC.

#3 - 2019-07-09 07:01 - Mizuki ISHIKAWA

- File feature-31154.patch added

This patch adds validation of the mail_from value.

- Mail::Address.new(mail_from) does not return an exception
- Mail::Address.new(mail_from).adress matches EmailAddress::EMAIL_REGEXP

#4 - 2019-07-09 07:37 - Marius BĂLTEANU

Mizuki ISHIKAWA wrote:

> This patch adds validation of the mail_from value.
>
> - Mail::Address.new(mail_from) does not return an exception
> - Mail::Address.new(mail_from).adress matches EmailAddress::EMAIL_REGEXP

Mizuki, do you see any problem if we use the existing EMAIL_REGEXP regex from URI::MailTo? https://www.rubydoc.info/stdlib/uri/URI/MailTo

#5 - 2019-07-09 08:58 - Mizuki ISHIKAWA

Marius BALTEANU wrote:

> Mizuki ISHIKAWA wrote:
>
> > This patch adds validation of the mail_from value.
> >
> > - Mail::Address.new(mail_from) does not return an exception
> > - Mail::Address.new(mail_from).adress matches EmailAddress::EMAIL_REGEXP
>
> Mizuki, do you see any problem if we use the existing EMAIL_REGEXP regex from URI::MailTo? https://www.rubydoc.info/stdlib/uri/URI/MailTo

I agree to use URI::MailTo::EMAIL_REGEXP because URI::MailTo::EMAIL_REGEXP is often used.
However, I think that it is better to hear other people's opinions because I am not familiar with e-mail address validation rules.

#6 - 2019-07-31 09:26 - Go MAEDA

Marius BALTEANU wrote:

> Mizuki, do you see any problem if we use the existing EMAIL_REGEXP regex from URI::MailTo? https://www.rubydoc.info/stdlib/uri/URI/MailTo

URI::MailTo::EMAIL_REGEXP cannot be used for Redmine because it rejects email addresses with Unicode characters such as "□□□□.jp" ("□□□□□□" means "domain name example" in Japanese). Jean-Philippe Lang wrote in #15985#note-3 that Redmine should not reject domain names with non-ASCII characters.

> Go MAEDA wrote:
>
> > Non-ASCII characters cannot be used in an email address.
>
> Yes, they can. More and more clients and server support that.
> We cannot simply disallow them in Redmine.

If you have any intarest in the support for Unicode domain (IDN), please see also #29208.

#7 - 2019-08-11 09:01 - Go MAEDA

- Target version set to 4.1.0

Setting the target version to 4.1.0.

#8 - 2019-08-26 06:18 - Go MAEDA

- Status changed from New to Closed

- Assignee set to Go MAEDA

- Resolution set to Fixed

Committed the patch. Thank you.

#9 - 2019-08-27 06:18 - Go MAEDA

- Status changed from Closed to Reopened

The test sometimes fails:

```
$ bin/rails test --seed 64692
```

```
(snip)

Failure:
SettingTest#test_mail_from_format_should_be_validated [/Users/maeda/redmines/redmine-trunk/test/unit/setting_t
est.rb:140]:
Expected [[:mail_from, "n'est pas valide"]] to include [:mail_from, "is invalid"].
```

#10 - 2019-09-05 07:43 - Yuichi HARADA

Go MAEDA wrote:

> The test sometimes fails:

> [...]

I think ::I18n.locale was set to 'fr' in other tests. I think it will be solved with this patch.

```
diff --git a/test/unit/setting_test.rb b/test/unit/setting_test.rb
index 253f3c037..145961539 100644
--- a/test/unit/setting_test.rb
+++ b/test/unit/setting_test.rb
@@ -20,6 +20,7 @@
 require File.expand_path('../../test_helper', __FILE__)

 class SettingTest < ActiveSupport::TestCase
+  fixtures :users

   def setup
     User.current = nil
@@ -134,7 +135,7 @@ YAML
   end

   def test_mail_from_format_should_be_validated
-    with_settings :default_language => 'en' do
+    with_locale 'en' do
       ['[Redmine app] <redmine@example.net>', 'redmine'].each do |invalid_mail_from|
         errors = Setting.set_all_from_params({:mail_from => invalid_mail_from})
         assert_includes errors, [:mail_from, 'is invalid']
```

#11 - 2019-09-05 09:23 - Go MAEDA

- Status changed from Reopened to Closed

Yuichi HARADA wrote:

> Go MAEDA wrote:

> > The test sometimes fails:

> > [...]

> I think ::I18n.locale was set to 'fr' in other tests. I think it will be solved with this patch.

> [...]

Committed the fix in [r18434](#). Thanks.

Files

feature-31154.patch		2.33 KB	2019-07-09	Mizuki ISHIKAWA