Redmine - Defect #6088

eMail in uncommon formats considered invalid

2010-08-09 14:15 - Moritz Voss

Status:	Closed	**Start date:**	2010-08-09
Priority:	Normal	**Due date:**	
Assignee:		**% Done:**	0%
Category:	Accounts / authentication	**Estimated time:**	0.00 hour
Target version:			
Resolution:	Fixed	**Affected version:**	

Description

Setting up an account with an eMail of format "user@host.domain" does not work when .domain is something like "mycompany-internal". Funny enough, fictional 3-letter-TLDs such as ".hgw" work, but as soon as it uses 4 or more letters, it fails.

Also, eMail of format "user@host" doesn't get accepte either, even though it could be delivered and could be resolved, technically.

Related issues:

Related to Redmine - Defect #7917: Creating users via email fails if user rea...	**Closed**	**2011-03-18**
Related to Redmine - Defect #32793: Email address with Punycode top-level dom...	**Closed**	
Related to Redmine - Defect #36969: EmailAddress regex matches invalid email ...	**Closed**	

History

#1 - 2010-08-10 22:05 - Jean-Baptiste Barth

I cannot reproduce exactly what you say :

- OK: long TLD with dashes are not accepted
- KO: I succeeded in registering with myemail@email.name or even longer TLDs ; there's no limit on TLD length in fact
- OK: email@host is not accepted

I don't think we should change this in core. I think email addresses should be valid internet email addresses for 99.9% people using Redmine. Do you have an example of a TLD with dashes inside ? If not I think we should close the issue as "won't fix", and you could modify regex on line 63 of app/models/user.rb for your specific case.

#2 - 2010-08-10 22:19 - Moritz Voss

Ah, sorry. TLD seems to work if it's only letters.

It doesn't work with an address like user@host.company-internal

... which is the format we use for our internal emails. Setting the search domain to .company-internal in /etc/resolv.conf doesn't really help because user@host is invalid, too (which it shouldn't be, according to RFC5322, p.17 and RFC 1034, p.10).
Email consists of local-part @ domain

BNF of a domain explicitly allows letters, digits and hyphens in every part, as long as the hyphen is not at the beginning or end.

`<domain> ::= <subdomain> | " "`

`<subdomain> ::= <label> | <subdomain> "." <label>`

`<label> ::= <letter> [ [ <ldh-str> ] <let-dig> ]`

`<ldh-str> ::= <let-dig-hyp> | <let-dig-hyp> <ldh-str>`

`<let-dig-hyp> ::= <let-dig> | "-"`

`<let-dig> ::= <letter> | <digit>`

#3 - 2010-08-10 22:30 - Moritz Voss

Your call of course, to decide whether you wish to conform to the RFCs or not. There's a case for only allowing "common" internet email addresses, I understand.

Thanks for pointing out where to patch it for my local use here.

#4 - 2010-08-10 22:40 - Jean-Baptiste Barth

I think we have to be pragmatic. Same problem with mail addresses which should be case sensitive if we look at the RFCs, but almost no mail provider conforms to it.

Anyway, I shouldn't be the only one to decide, I'd like to hear other contributors (and maybe options for a clean workaround ?) before closing.

#5 - 2010-08-11 08:26 - Felix Schäfer

[validates_email_format_of](#) is a plugin/gem that implements validation of email addresses as per RFC 2822. This plugin being stable, I'd be in favor of using it instead of trying to use our own Regex (bad) or whatever else validation that we'd have to maintain and maybe extend each time someone has a problem with it.

#6 - 2010-08-11 08:51 - Jean-Baptiste Barth

Not a bad idea. I always hesitate to search a solution in plugins or gems since we're not very good at keeping them up-to-date. Dealing with old versions of redcloth or awesome_nested_set is a real pita when writing plugins or debugging the core. Anyway this one may not bring such flexibility issues...

#7 - 2010-08-11 09:09 - Felix Schäfer

Well, I haven't seen mail formats changing much in the last couple of years, so I think other than bug fixes (and even those should all be ironed out by now), I don't think this plugin will see much updates if at all.

#8 - 2010-08-11 10:29 - Jean-Baptiste Barth

Felix Schäfer wrote:

> Well, I haven't seen mail formats changing much in the last couple of years

Ahah, don't make fun of me, it was just a thought. We just need some unit tests to ensure we don't break some addresses which used to work, and it's ok.

#9 - 2010-08-11 17:44 - Felix Schäfer

Jean-Baptiste Barth wrote:

> Felix Schäfer wrote:
>
> > Well, I haven't seen mail formats changing much in the last couple of years
>
> Ahah, don't make fun of me, it was just a thought.

That wasn't the intent :-)

> We just need some unit tests to ensure we don't break some addresses which used to work, and it's ok.

Don't we already have tests for that?

#10 - 2010-09-29 23:11 - Felix Schäfer

- Assignee set to Felix Schäfer

Felix Schäfer wrote:

> Well, I haven't seen mail formats changing much in the last couple of years

I take everything back! 2 reasons:

- the plugin while being pretty good isn't perfect: it for example only allows for TLDs with 2 to 6 chars, which is in no way a requirement, as well as assumes the domain name to have a dot in it, which isn't required either.
- The global mail format has not changed (much), but the details have: host and domain names can be internationalized via [IDN](#), and while they are translated to ASCII before the request is sent out, they are valid domain names while still in UTF-8, so a user might try to use one some day.

I'd be in favor of a third solution besides rolling our own Regex and using a thrid-party plugin: as in the end the mail-sending is done by ActionMailer/TMail, we should try to use their validation if possible.

#11 - 2011-01-15 09:48 - Felix Schäfer

- Assignee deleted (Felix Schäfer)

#12 - 2022-01-13 15:02 - Go MAEDA

- Related to Defect #32793: Email address with Punycode top-level domain is not accepted added

#13 - 2024-02-02 01:25 - Go MAEDA

- Status changed from New to Closed

- Resolution set to Fixed

Since [r22332](), Redmine uses URI::MailTo::EMAIL_REGEXP to check the format of email addresses and it supports broader formats of email addresses than it used to be.

I think this issue can be closed.

```
irb(main):001> EmailAddress.new(address: 'user@mycompany-internal').valid?
=> true
irb(main):002> EmailAddress.new(address: 'user@host.mycompany-internal').valid?
=> true
irb(main):003> EmailAddress.new(address: 'user@host').valid?
=> true
```


#14 - 2024-02-02 01:25 - Go MAEDA

- Related to Defect #36969: EmailAddress regex matches invalid email addresses added