Redmine - Defect #16881

Git: repository page crashes when non-ascii character in tag or branch name

2014-05-14 05:39 - qu al

Status:	Closed		**Start date:**	
Priority:	Normal		**Due date:**	
Assignee:	Toshi MARUYAMA		**% Done:**	0%
Category:	SCM		**Estimated time:**	0.00 hour
Target version:	4.1.0			
Resolution:	Fixed		**Affected version:**	

Description

If tag or branch name in git contains non-ascii character(ex."□","□",etc.), Repository page crashes with the following messages in the production.log:

```
Started GET "/redmine/projects/XXX-000000/repository/git" for 127.0.0.1 at 2014-05-13 09:04:03 +09
00
Processing by RepositoriesController#show as HTML
  Parameters: {"id"=>"XXX-000000", "repository_id"=>"git"}
  Current user: YYYYY (id=6)
  Rendered repositories/_navigation.html.erb (93.8ms)
  Rendered repositories/show.html.erb within layouts/base (93.8ms)
Completed 500 Internal Server Error in 812.5ms

ActionView::Template::Error (incompatible character encodings: UTF-8 and ASCII-8BIT):
  app/views/repositories/_navigation.html.erb:24:in `block in _app_views_repositories__navigation_
html_erb__875303464_30435480'
  app/views/repositories/_navigation.html.erb:13:in `_app_views_repositories__navigation_html_erb_
_875303464_30435480'
  app/views/repositories/show.html.erb:4:in `_app_views_repositories_show_html_erb___1026796241_22
987116'
  app/controllers/repositories_controller.rb:125:in `show'
```

Atatched patch fixed the problem for me, but I'm not sure if it is a correct solution.

```
Environment:
  Redmine version              2.4.1.stable
  Ruby version                 1.9.3-p231 (2012-05-25) [i386-mingw32]
  Rails version                3.2.16
  Environment                  production
  Database adapter             Mysql2
SCM:
  Git                          1.8.3
```

Related issues:

Related to Redmine - Patch #30827: git tags can't handle utf-8	**Closed**
Has duplicate Redmine - Defect #21141: Git tags and branches need to be UTF-8...	**Closed**

Associated revisions

Revision 13135 - 2014-05-14 08:10 - Toshi MARUYAMA

add :environment to test:scm:setup:create_dir and test:scm:update rake tasks (#16881)

Revision 13136 - 2014-05-14 08:10 - Toshi MARUYAMA

split method for scm test repository extracting (#16881)

Revision 18039 - 2019-04-05 07:30 - Toshi MARUYAMA

scm: git: add new two latin1 branches to test repository (#16881)

Revision 18040 - 2019-04-05 08:48 - Toshi MARUYAMA

scm: git: add new one latin1 tag to test repository (#16881)

Revision 18042 - 2019-04-05 09:41 - Toshi MARUYAMA

scm: git: fix non ascii branch and tag browsing (#16881)

History

#1 - 2014-05-14 05:42 - qu al

- File git_adapter.rb.patch added

sorry, I forgot to attach the patch.

#2 - 2014-05-14 06:07 - Toshi MARUYAMA

- Assignee set to Toshi MARUYAMA

#3 - 2014-09-17 14:25 - Tobias Fischer

This also happens with 2.5.2.stable and I can confirm that the patch provided by "qu al" works fine.

#4 - 2015-01-12 12:50 - Tobias Fischer

The UTF8 patch by Jean-Philippe in #13520 (r13807) added in v2.6.1 didn't fix this problem.

It still appears in v2.6.1.stable.13876 and I can confirm that the patch provided by "qu al" still works.

#5 - 2015-01-13 00:06 - Toshi MARUYAMA

git_adapter.rb.patch cannot be accepted because it hard-code "UTF-8".
Redmine supports any encondings.
It needs more works.

#6 - 2015-01-13 00:07 - Toshi MARUYAMA

Tobias Fischer wrote:

> The UTF8 patch by Jean-Philippe in #13520 (r13807) added in v2.6.1 didn't fix this problem.

It is not related.

#7 - 2015-02-17 15:25 - Jonathan Wiens

Same problem here ...

```
Processing by RepositoriesController#show as HTML
  Parameters: {"id"=>"development"}
  Current user: jonw (id=4)
  Rendered repositories/_navigation.html.erb (175.1ms)
  Rendered repositories/_breadcrumbs.html.erb (2.8ms)
  Rendered repositories/_dir_list_content.html.erb (170.9ms)
  Rendered repositories/_dir_list.html.erb (172.4ms)
  Rendered repositories/_revision_graph.html.erb (4.9ms)
  Rendered repositories/_revisions.html.erb (207.9ms)
  Rendered repositories/show.html.erb within layouts/base (575.0ms)
Completed 500 Internal Server Error in 5821.6ms

ActionView::Template::Error (incompatible character encodings: UTF-8 and ASCII-8BIT):
    55:        <%= yield :sidebar %>
    56:        <%= view_layouts_base_sidebar_hook_response %>
    57:     </div>
    58:
    59:     <div id="content">
    60:        <%= render_flash_messages %>
    61:        <%= yield %>
  app/views/layouts/base.html.erb:58:in `_app_views_layouts_base_html_erb___4435422814910722795_44338100'
  app/controllers/repositories_controller.rb:125:in `show'
```

When can we expect this issue to be resolved?

#8 - 2015-02-17 15:35 - Toshi MARUYAMA

Jonathan Wiens wrote:

> When can we expect this issue to be resolved?

git_adapter.rb.patch needs supporting any encoding and tests.

#9 - 2015-03-10 18:26 - Jonathan Wiens

Toshi MARUYAMA wrote:

> Jonathan Wiens wrote:
>
>> When can we expect this issue to be resolved?
>
> git_adapter.rb.patch needs supporting any encoding and tests.

Can someone do it?

#10 - 2015-06-03 19:44 - Tobias Fischer

- File git_adapter.rb.patch added

Attached patch is for Redmine 3.0 (3.0.3 to be precise).
No further tests. It just works™ for me...

#11 - 2015-11-03 20:15 - Toshi MARUYAMA

- Has duplicate Defect #21141: Git tags and branches need to be UTF-8 encoded added

#12 - 2015-11-03 20:17 - Toshi MARUYAMA

Mercurial test covers non ASCII tag and branch.
source:tags/3.1.1/test/unit/lib/redmine/scm/adapters/mercurial_adapter_test.rb#L322

Git needs same test.

#13 - 2015-11-03 20:25 - Holger Just

While the proposed patch might not be 100% correct in all cases, it is still way better than just running into a hard error on rendering.

If you want to be better by detecting and rendering further encodings: fine. But by all means, please support the (at least) 80% case of UTF-8 branch names. For future work, you *could* repurpose @path_encoding (which defaults to UTF-8).

In fact, it is probably safe enough to just call .force_encoding(@path_encoding) and call it a day. This is most probably safe as git stores the names of tags and branches in the filesystem anyway so the encoding of path names is probably the same as the encoding of the branch names.

Still, please commit one of the fixes. Even it it still breaks on some edge-cases, it is way better than what we have now.

#14 - 2018-03-06 14:00 - Kra Rom

I will give this ticket a bump.

Error occurred in redmine 3.3.3.
Patch from Tobias Fischer worked.

My Environment:

```
Environment:
  Redmine version                3.3.3.stable
  Ruby version                   2.2.7-p470 (2017-03-28) [x86_64-linux]
  Rails version                  4.2.7.1
  Environment                    production
  Database adapter               Mysql2
SCM:
  Subversion                     1.9.5
  Git                            2.11.0
  Filesystem
  GitRemote                      2.11.0
Redmine plugins:
  redmine_git_remote             0.0.1
  scrum                          0.17.0
  ...
```

So:

> Still, please commit one of the fixes. Even it it still breaks on some edge-cases, it is way better than what we have now.

?

#15 - 2019-02-18 13:46 - Go MAEDA

- Related to Patch #30827: git tags can't handle utf-8 added

#16 - 2019-04-30 10:34 - Toshi MARUYAMA

- File branch-click.png added

- File branches.png added

- File log.txt added

- File tags.png added

- Status changed from New to Closed

- Target version set to 4.1.0

- Resolution set to Fixed

I implemented git tags and branches encoding in [r18039](), [r18040](), [r18042]().
Attachments are utf8 test repository and its results.

Files

git_adapter.rb.patch	1.14 KB	2014-05-14	qu al
git_adapter.rb.patch	1.15 KB	2015-06-03	Tobias Fischer
branches.png	50.4 KB	2019-04-30	Toshi MARUYAMA
log.txt	1.06 KB	2019-04-30	Toshi MARUYAMA
branch-click.png	66.2 KB	2019-04-30	Toshi MARUYAMA
tags.png	49.1 KB	2019-04-30	Toshi MARUYAMA