

Redmine - Defect #2664

Mercurial: Repository path encoding of non UTF-8 characters

2009-02-04 15:39 - Jérémie Delaitre

Status:	Closed	Start date:	2009-02-04
Priority:	Normal	Due date:	
Assignee:	Toshi MARUYAMA	% Done:	100%
Category:	SCM	Estimated time:	0.00 hour
Target version:	1.2.0	Affected version:	
Resolution:	Fixed		

Description

Environment

- Server OS: Debian Lenny
- Redmine: svn rev 2361 (same problem with 0.8.0)
- Ruby: 1.8.6
- RubyGems: 1.3.1
- Rails: 2.1.2
- PostgreSQL: 8.3.5
- Mercurial: 1.0.1
- System locale: en_us.UTF8
- Database encoding: utf8
- Database locale: fr_FR.UTF8 (same problem with en_us.UTF8)

Error

Running: ruby script/runner "Repository.fetch_changesets" -e production gives the following errors:

```
/home/redmine/redmine-0.8.0/vendor/rails/railties/lib/commands/runner.rb:47: /home/redmine/redmine-0.8.0/vendor/rails/activerecord/lib/active_record/connection_adapters/abstract_adapter.rb:147:in `log':
RuntimeError: ERROR      C22021  Minvalid byte sequence for encoding "UTF8": 0xe97365
  HThis error can also happen if the byte sequence does not match the encoding
  expected by the server, which is controlled by "client_encoding".      Fwchar.c      L1545
  Rreport_invalid_encoding: INSERT INTO "changes" ("changeset_id", "action", "revision", "branch"
, "from_path",
"path", "from_revision") VALUES(781, E'A', NULL, NULL, NULL,
E'/Quantity/doc/Présentation du projet.pdf', NULL) RETURNING "id" (ActiveRecord::StatementInvalid
)
  from /home/redmine/redmine-0.8.0/vendor/rails/activerecord/lib/active_record/connection_ad
apters/postgresql_adapter.rb:484:in `execute'
  from /home/redmine/redmine-0.8.0/vendor/rails/activerecord/lib/active_record/connection_ad
apters/postgresql_adapter.rb:929:in `select_raw'
  from /home/redmine/redmine-0.8.0/vendor/rails/activerecord/lib/active_record/connection_ad
apters/postgresql_adapter.rb:916:in `select'
  from /home/redmine/redmine-0.8.0/vendor/rails/activerecord/lib/active_record/connection_ad
apters/abstract/database_statements.rb:7:in `select_all_without_query_cache'
  from /home/redmine/redmine-0.8.0/vendor/rails/activerecord/lib/active_record/connection_ad
apters/abstract/query_cache.rb:61:in `select_all'
  from /home/redmine/redmine-0.8.0/vendor/rails/activerecord/lib/active_record/connection_ad
apters/abstract/database_statements.rb:13:in `select_one'
  from /home/redmine/redmine-0.8.0/vendor/rails/activerecord/lib/active_record/connection_ad
apters/abstract/database_statements.rb:19:in `select_value'
  from /home/redmine/redmine-0.8.0/vendor/rails/activerecord/lib/active_record/connection_ad
apters/postgresql_adapter.rb:433:in `insert'
  ... 31 levels...
  from /home/redmine/redmine-0.8.0/vendor/rails/railties/lib/commands/runner.rb:47
  from /home/redmine/apps/lib/ruby/site_ruby/1.8/rubygems/custom_require.rb:31:in `gem_origi
nal_require'
  from /home/redmine/apps/lib/ruby/site_ruby/1.8/rubygems/custom_require.rb:31:in `require'
  from script/runner:3
```

The error seems quite similar to [#834](#), [#917](#), and [#1663](#) but the error is not appening on the same table. Here, the problem comes from the "changes" table while the already reported (and corrected) issues refer a problem on the "changesets" table.

The problem seems to comes from file path which are not converted to UTF-8 (as we can notice, there is a 'é' character in the file path).

I have tried different encoding in the repository tab settings without success.

Related issues:

Related to Redmine - Defect #5251: Git: Repository path encoding of non UTF-8...	Closed	2010-04-07
Related to Redmine - Defect #2274: Filesystem Repository path encoding of non...	Closed	2008-12-04
Related to Redmine - Defect #3462: CVS: Repository path encoding of non UTF-8...	Closed	2009-06-08
Related to Redmine - Defect #7064: Mercurial adapter does not recognize non a...	Closed	2010-12-07
Related to Redmine - Feature #2799: Support for Bazaar's shared repositories ...	New	2009-02-21
Related to Redmine - Defect #6090: Most binary files become corrupted when do...	Closed	2010-08-09
Related to Redmine - Feature #4050: Ruby 1.9 support	Closed	2009-10-18
Related to Redmine - Feature #3396: Git: use --encoding=UTF-8 in "git log"	Closed	2009-05-20
Related to Redmine - Defect #4773: Redmine+Git+PostgreSQL 8.4 fails with lin...	Closed	2010-02-09
Has duplicate Redmine - Defect #5408: Mercurial and chinese code	Closed	2010-04-30
Has duplicate Redmine - Defect #3677: fetching changesets from Mercurial repo...	Closed	2009-07-27
Has duplicate Redmine - Defect #8726: Redmine+Mercurial+PostgreSQL 9 falls wi...	Closed	2011-06-30

Associated revisions

Revision 4633 - 2011-01-05 16:02 - Toshi MARUYAMA

scm: mercurial: escape any filenames by urlescapse (#2664, #7064).

In Mercurial, filename is not UTF-8 but byte-string.
So it should be escaped to UTF-8-safe string before parsing as XML document.

NOTE: Mercurial's `{|obfuscate}` filter cannot be used here, because it treats filename as encoded by HGENCODING.

Contributed by Yuya Nishihara.

Revision 4898 - 2011-02-21 05:00 - Toshi MARUYAMA

scm: mercurial: add 'rhcata' function using URL encoding in mercurial helper extension (#2664).

Revision 4899 - 2011-02-21 10:41 - Toshi MARUYAMA

scm: add CP932 at Setting::ENCODINGS (#2664, #2274).

CP932 is variant Japanese Shift_JIS on Windows.

Revision 4906 - 2011-02-21 13:10 - Toshi MARUYAMA

scm: add "scm_iconv" method for repository path encoding in abstract_adapter.rb (#2664, #2274).

Revision 4919 - 2011-02-22 09:05 - Toshi MARUYAMA

scm: mercurial: override initialize() for path encoding (#2664).

Revision 4921 - 2011-02-22 09:16 - Toshi MARUYAMA

scm: Ruby 1.9 compatibility for browsing repository tree (#2664, #2274).

If repository path is not UTF-8, Ruby 1.9 shows trace.

Revision 4922 - 2011-02-22 09:29 - Toshi MARUYAMA

scm: Ruby 1.9 compatibility for diff, cat and blame (#2664).

"\xC2\x80" of latin1(iso-8859-1) is valid sequence of UTF-8.
to_utf8() should not return string if it is UTF-8 valid_encoding.

Revision 4923 - 2011-02-22 09:47 - Toshi MARUYAMA

scm: mercurial: log and entries path encoding support in adapter (#2664).

Revision 4928 - 2011-02-23 01:34 - Toshi MARUYAMA

scm: mercurial: path encoding support for "cat" in adapter (#2664).

Revision 4930 - 2011-02-23 08:04 - Toshi MARUYAMA

scm: mercurial: annotate path encoding support in helper (#2664).

Revision 4931 - 2011-02-23 08:04 - Toshi MARUYAMA

scm: mercurial: annotate path encoding support in adapter (#2664).

Revision 4940 - 2011-02-24 06:58 - Toshi MARUYAMA

scm: add "path_encoding" column in repositories table (#2664, #2274).

Contributed by Yuya Nishihara.

Revision 4941 - 2011-02-24 06:58 - Toshi MARUYAMA

scm: update adapter initialize() to use path encoding (#2664, #2274).

Revision 4995 - 2011-03-03 13:44 - Toshi MARUYAMA

scm: mercurial: convert copied file path encoding (#2664).

Revision 4996 - 2011-03-04 05:25 - Toshi MARUYAMA

scm: mercurial: update test repository for path encoding (#2664).

Mercurial (and also Git) treats file names as byte string.
This mercurial test repository contains Latin-1 encoding path.
Be careful on non Latin-1(CP1252) Windows.

If your Windows is not Latin-1 Windows,
in order to checkout(update) Latin-1 path,
You need to use cygwin 1.7 and set LANG=en_US.ISO-8859-1.

Please refer.

<http://mercurial.selenic.com/wiki/EncodingStrategy?action=recall&rev=6>

Redmine mercurial adapter do not need to checkout(update) repository.
Mercurial does not have "bare" repository such as Git.
You can use "hg update null" for equivalent "bare" repository.

Revision 4997 - 2011-03-04 09:07 - Toshi MARUYAMA

scm: mercurial: update test repository for path contains space (#2664, #4455).

Revision 4998 - 2011-03-04 09:08 - Toshi MARUYAMA

scm: mercurial: add unit adapter test repository for path contains space (#2664, #4455).

Revision 4999 - 2011-03-04 09:08 - Toshi MARUYAMA

scm: mercurial: additional unit model tests for path encoding (#2664).

Revision 5000 - 2011-03-04 12:07 - Toshi MARUYAMA

scm: mercurial: add path encoding tests in functional test (#2664, #4050).

TODO: This test fails in Ruby 1.9 and Encoding.default_external is not UTF-8.

Revision 5001 - 2011-03-04 14:39 - Toshi MARUYAMA

scm: mercurial: add path encoding select box at setting (#2664).

Revision 5059 - 2011-03-08 11:35 - Toshi MARUYAMA

scm: mercurial: add latin-1 encoding directory to test repository (#2664).

Revision 5520 - 2011-04-23 05:35 - Toshi MARUYAMA

scm: use i18n string at path encoding setting (#2274, #2664, #3462, #5251).

Revision 5521 - 2011-04-23 05:35 - Toshi MARUYAMA

scm: add Japanese translation "field_scm_path_encoding" (#2274, #2664, #3462, #5251).

Revision 5522 - 2011-04-23 05:36 - Toshi MARUYAMA

scm: update locales for path encoding setting (#2274, #2664, #3462, #5251).

Revision 5523 - 2011-04-23 05:36 - Toshi MARUYAMA

scm: use i18n string at path encoding setting note (#2274, #2664, #3462, #5251).

Revision 5524 - 2011-04-23 05:37 - Toshi MARUYAMA

scm: add Japanese string at path encoding setting note (#2274, #2664, #3462, #5251).

Revision 5525 - 2011-04-23 05:37 - Toshi MARUYAMA

scm: update locales for path encoding setting note (#2274, #2664, #3462, #5251).

Revision 5627 - 2011-05-04 07:00 - Toshi MARUYAMA

scm: mercurial: fix loss non ASCII paths if path_encoding is " (#2664).

Revision 5863 - 2011-05-21 04:16 - Toshi MARUYAMA

scm: add "path_encoding" method in abstract adapter (#2274, #3462, #2664, #5251).

Revision 5868 - 2011-05-21 04:38 - Toshi MARUYAMA

scm: mercurial: override "path_encoding" method in adapter (#2664).

Revision 5869 - 2011-05-21 04:38 - Toshi MARUYAMA

scm: mercurial: add unit adapter test of default path_encoding is UTF-8 (#2664).

History**#1 - 2009-02-10 18:20 - Jérémie Delaitre**

I just noticed something weird with Mercurial.

When I try to remove the file mentioned above, mercurial did not success...
So the problem is maybe from Mercurial instead of Redmine.

#2 - 2009-03-13 09:44 - Wei Li

I have the same issue with Bazaar.

#3 - 2009-10-05 18:38 - Daniel Lima

I have the same issue too. My environment is a Redmine 0.8.4 in a Windows 2003 Server. My repo is Mercurial with some special character in file path, like 'ç', 'ä', 'ö'.

#4 - 2010-03-28 15:23 - Yuya Nishihara

That's because Mercurial (and also Git) treats file names as *byte string*.
Here we need to convert them to UTF-8, but, there's no reliable info about file name encoding.

Wei Li wrote:

I have the same issue with Bazaar.

I'm not sure about Bazaar, but it must handle paths as UTF-8, so it seems strange.

#5 - 2010-03-31 15:30 - Rui Tang

I'm using redmine 0.9.3 on Windows Server 2003, has the same problem.

```
C:\redmine-0.9>ruby script/runner "Repository.fetch_changesets" -e production
c:/ruby/lib/ruby/gems/1.8/gems/rails-2.3.5/lib/commands/runner.rb:48: c:/ruby/li
b/ruby/gems/1.8/gems/activerecord-2.3.5/lib/active_record/connection_adapters/ab
stract_adapter.rb:219:in `log': Mysql::Error: Incorrect string value: '\xB2\xE2\
xCA\xD4\xB9\xDC...' for column 'path' at row 1: INSERT INTO `changes` (`changese
t_id`, `action`, `revision`, `branch`, `from_path`, `path`, `from_revision`) VAL
```

```
UES (
ActiveRecord::StatementInvalid)
from c:/ruby/lib/ruby/gems/1.8/gems/activerecord-2.3.5/lib/active_record
/connection_adapters/mysql_adapter.rb:323:in `execute'
from c:/ruby/lib/ruby/gems/1.8/gems/activerecord-2.3.5/lib/active_record
/connection_adapters/abstract/database_statements.rb:259:in `insert_sql'
from c:/ruby/lib/ruby/gems/1.8/gems/activerecord-2.3.5/lib/active_record
/connection_adapters/mysql_adapter.rb:333:in `insert_sql'
from c:/ruby/lib/ruby/gems/1.8/gems/activerecord-2.3.5/lib/active_record
/connection_adapters/abstract/database_statements.rb:44:in `insert_without_query
_dirty'
from c:/ruby/lib/ruby/gems/1.8/gems/activerecord-2.3.5/lib/active_record
/connection_adapters/abstract/query_cache.rb:18:in `insert'
from c:/ruby/lib/ruby/gems/1.8/gems/activerecord-2.3.5/lib/active_record
/base.rb:2908:in `create_without_timestamps'
from c:/ruby/lib/ruby/gems/1.8/gems/activerecord-2.3.5/lib/active_record
/timestamp.rb:53:in `create_without_callbacks'
from c:/ruby/lib/ruby/gems/1.8/gems/activerecord-2.3.5/lib/active_record
/callbacks.rb:266:in `create'
... 30 levels...
from c:/ruby/lib/ruby/gems/1.8/gems/rails-2.3.5/lib/commands/runner.rb:4
8
from c:/ruby/lib/ruby/site_ruby/1.8/rubygems/custom_require.rb:31:in `ge
m_original_require'
from c:/ruby/lib/ruby/site_ruby/1.8/rubygems/custom_require.rb:31:in `re
quire'
from script/runner:3
```

#6 - 2010-04-11 04:39 - Yuya Nishihara

- File *issue-2664-0.9-stable-2010-04-11.patch* added

Yuya Nishihara wrote:

That's because Mercurial (and also Git) treats file names as *byte string*.
Here we need to convert them to UTF-8, but, there's no reliable info about file name encoding.

Hi, I made a patch to fix the issue.
It adds `repositories.path_encoding` column, which can be configured via Settings -> Repository tab.
Since it changes database schema, `rake db:migrate` is necessary. Please try it with care.

#7 - 2010-06-05 13:20 - Toshi MARUYAMA

Yuya Nishihara wrote:

That's because Mercurial (and also Git) treats file names as *byte string*.
Here we need to convert them to UTF-8, but, there's no reliable info about file name encoding.

Wei Li wrote:

I have the same issue with Bazaar.

I'm not sure about Bazaar, but it must handle paths as UTF-8, so it seems strange.

I asked this Bazaar problem and [#5578](#) at [Mercurial-ja google group](#) (in Japanese).
The reason is same with [#5578](#).
Bazaar issue: [want an option to set the output encoding, especially on win32](#) .
And I got a suggestion that [XMLOutput plugin](#) is better than "bzs log".

#8 - 2010-06-07 15:03 - Toshi MARUYAMA

- File *git-bzs.patch* added

Git problem is reported at [#5251](#).
I tried git and Bazaar and I could display multi-bytes characters path.
This patch is for git and Bazaar.

#9 - 2010-06-07 15:45 - Yuya Nishihara

Toshi Maruyama wrote:

Git problem is reported at [#5251](#).
I tried git and Bazaar and I could display multi-bytes characters path.
This patch is for git and Bazaar.

Git and Mercurial have absolutely the same problem, they treat filename as bytes, so the patch about Git seems reasonable.

But Bazaar's problem sounds different to me. It lies on the communication layer between Redmine and Bazaar. They should talk in UTF-8 but currently not.

#10 - 2010-06-09 11:02 - xiaoyu yin

To share my experience:
My system is Windows XP SP3, and Windows Server 2003.
My steps are:
1.Uninstall the redmine and reinstall it.
2.Creat hg repository in redmine folder.
3.Import the patch.
4.run "rake db:migrate RAILS_ENV=production" command
5.Restart the redmine service.

The path_encoding column was added successfully.

And I test the coding type in the list one by one, the "GBK" is correct for me.

Good luck for you!

#11 - 2010-06-09 11:03 - xiaoyu yin

By the way: if you have data in database, please backup it first and restore it after that the path_encoding column was added successfully.

#12 - 2010-06-09 11:23 - Toshi MARUYAMA

Additionally, you need to delete repository setting created before patch applied and recreate the same repository from Redmine settings tab.

#13 - 2011-01-02 00:09 - Toshi MARUYAMA

- Status changed from New to Closed

#14 - 2011-01-02 00:10 - Toshi MARUYAMA

- Status changed from Closed to Reopened

- Assignee set to Toshi MARUYAMA

- Priority changed from High to Low

#15 - 2011-01-02 00:11 - Toshi MARUYAMA

- Status changed from Reopened to 7

#16 - 2011-01-03 06:53 - Toshi MARUYAMA

- Target version set to Unplanned backlogs

#17 - 2011-02-01 05:00 - bo ye

please fix this first in later version of redmine(like 1.1.2?) if [#4455](#) Mercurial overhaul could not be done soon.
this problem stopped us from using hg for redmine completely.

#18 - 2011-02-01 05:47 - Toshi MARUYAMA

- Subject changed from Redmine+Mercurial+PostgreSQL: path encoding and multi-bytes characters to Repository path encoding of non UTF-8 characters (Mercurial, Git and CVS)

#19 - 2011-02-07 10:39 - Toshi MARUYAMA

- File 20110207-db.diff added

- File 20110207-git-cvs-fs.diff added

- File 20110207-impl.diff added

These are patches for svn trunk [r4799](#) and 1.1 stable [r4800](#).

- [20110207-impl.diff](#) is main patch.
- [20110207-db.diff](#) is DB migration. If you have applied Yuya's [issue-2664-0.9-stable-2010-04-11_patch](#), you don't need to apply this patch or you

- don't need to run "rake db:migrate". If you have not applied Yuya's patch, you need to apply this patch, and run "rake db:migrate".
- [20110207-git-cvs-fs.diff](#) is for Git, CVS and Filesystem.

#20 - 2011-02-07 10:47 - Toshi MARUYAMA

- Subject changed from Repository path encoding of non UTF-8 characters (Mercurial, Git and CVS) to Repository path encoding of non UTF-8 characters (Mercurial, Git, CVS and Filesystem)

#21 - 2011-02-07 12:15 - Toshi MARUYAMA

- File hg-ruby-1.9.diff added

This is ad hoc Mercurial adapter patch for Redmine SVN trunk and Ruby 1.9.
I confirmed to run on my Japanese Windows Vista and Mingw Ruby 1.9.2.

There is another "IO.popen" issue [#6090](#).
source:tags/1.1.1/lib/redmine/scm/adapters/abstract_adapter.rb#L184

I think we need to refactor "IO.popen" such as [Yuya's Mercurial overhaul](#)

#22 - 2011-02-08 14:23 - Paolo Losi

I can confirm that the patches (see note 19) solve the problem for us.
Since the issue is blocking, we would like to know if
there is a method to backout the patches and undo the schema
migration when there will be an official release that addresses this issue.

Thanks

#23 - 2011-02-08 14:50 - Paolo Losi

Paolo Losi wrote:

I can confirm that the patches (see note 19) solve the problem for us.
Since the issue is blocking, we would like to know if
there is a method to backout the patches and undo the schema
migration when there will be an official release that addresses this issue.

Answering myself:

```
rake db:migrate:down
```

Sorry for the noise

#24 - 2011-02-09 09:57 - bo ye

wow, these patches work great!!
it seems even better than before, at least now issues can be linked with r####
please make this to the next minor version 1.1.2. you have my vote. :)

there is a minor problem with the patches though. it doesn't work with codeview plugin. the error on the repository page:

```
NoMethodError in Code_review#update_revisions_view  
Showing vendor/plugins/redmine_code_review/app/views/code_review/_update_revisions.html.erb where line #6 raised:
```

```
undefined method `review_count' for #<Changeset:0x63e7320>  
Extracted source (around line #6):
```

```
3: # and open the template in the editor.  
4: %>  
5:  
6: <script type="text/javascript">  
7: <% @changesets.each do |changeset| %>  
8:   <%  
9:     if changeset.review_count > 0
```

Toshi MARUYAMA wrote:

These are patches for svn trunk [r4799](#) and 1.1 stable [r4800](#).

- [20110207-impl.diff](#) is main patch.
- [20110207-db.diff](#) is DB migration. If you have applied Yuya's [issue-2664-0.9-stable-2010-04-11_patch](#), you don't need to apply this patch or

- you don't need to run "rake db:migrate". If you have not applied Yuya's patch, you need to apply this patch, and run "rake db:migrate".
- [20110207-git-cvs-fs.diff](#) is for Git, CVS and Filesystem.

#25 - 2011-02-09 11:04 - Toshi MARUYAMA

bo ye wrote:

please make this to the next minor version 1.1.2. you have my vote. :)

This feature has big behaviour change and has a db migrate.
So, I think it is difficult to apply 1.1 stable.
But, we need to consider to apply 1.2.

Yuya, what do you think?

#26 - 2011-02-11 18:39 - Yuya Nishihara

Toshi MARUYAMA wrote:

bo ye wrote:

please make this to the next minor version 1.1.2. you have my vote. :)

This feature has big behaviour change and has a db migrate.
So, I think it is difficult to apply 1.1 stable.
But, we need to consider to apply 1.2.

Yuya, what do you think?

Same idea. For now, you can work around the issue by:

1. put lib/redmine/scm/adapters/path_encodable_wrapper.rb
2. apply the patch only for app/models/repository.rb
3. and replace the content of def new_scm method in place of db:migrate:

```
scm = Redmine::Scm::Adapters::PathEncodableWrapper.new(scm, path_encoding) unless path_encoding.blank?
```

by

```
scm = Redmine::Scm::Adapters::PathEncodableWrapper.new(scm, 'encoding-name-of-your-repo')
```

#27 - 2011-02-12 01:22 - Toshi MARUYAMA

Ruby 1.9 compatibility and tests are very serious.

Please see [source:trunk/test/unit/lib/redmine/scm/adapters/git_adapter_test.rb@4810#L77](#) .

#28 - 2011-02-12 01:51 - Toshi MARUYAMA

Japanese Shift_JIS and Traditional Chinese Big5 have 0x5c(backslash) problem and these are incompatible with ASCII.
Japanese EUC-JP is compatible with ASCII.

Ruby uses ANSI api to fork a process on Windows.

#29 - 2011-02-12 02:15 - Toshi MARUYAMA

Subversion supports URL encoding for path and Redmine uses it.

I think Redmine Mercurial adapter need to wrap command line path of cat, diff and annotate such as Yuya's Mercurial overhaul helper extension.

#30 - 2011-02-20 15:59 - Toshi MARUYAMA

- File for-trunk-r4893-20110220.patch added

I start implementing in new way.

Ruby 1.9 compatibility is very serious.

#31 - 2011-02-21 01:47 - Toshi MARUYAMA

- Subject changed from Repository path encoding of non UTF-8 characters (Mercurial, Git, CVS and Filesystem) to Repository path encoding of non UTF-8 characters (Mercurial and Filesystem)
- Priority changed from Low to Normal
- % Done changed from 0 to 20

#32 - 2011-02-24 07:04 - Toshi MARUYAMA

- Subject changed from Repository path encoding of non UTF-8 characters (Mercurial and Filesystem) to Mercurial: Repository path encoding of non UTF-8 characters
- % Done changed from 20 to 60

#33 - 2011-03-04 06:43 - Toshi MARUYAMA

- % Done changed from 60 to 90

#34 - 2011-03-04 13:07 - Toshi MARUYAMA

- File ruby-1.9.2-japanese-windows.png added
- Target version changed from Unplanned backlogs to 1.2.0

I can't run on my Japanese Windows Ruby 1.9.2 without [#4050 Ruby-1.9-Encoding.default_external.diff](#).
Despite applying this patch, I got following error.

```
[2011-03-04 20:51:58] ERROR Encoding::InvalidByteSequenceError: "\x9C" followed by "-" on Windows-31J
r:/Ruby192/lib/ruby/gems/1.9.1/gems/rails-2.3.11/lib/rails/rack/static.rb:37:in `file?'
r:/Ruby192/lib/ruby/gems/1.9.1/gems/rails-2.3.11/lib/rails/rack/static.rb:37:in `file_exist?'
r:/Ruby192/lib/ruby/gems/1.9.1/gems/rails-2.3.11/lib/rails/rack/static.rb:18:in `call'
r:/Ruby192/lib/ruby/gems/1.9.1/gems/rack-1.1.0/lib/rack/urlmap.rb:47:in `block in call'
r:/Ruby192/lib/ruby/gems/1.9.1/gems/rack-1.1.0/lib/rack/urlmap.rb:41:in `each'
r:/Ruby192/lib/ruby/gems/1.9.1/gems/rack-1.1.0/lib/rack/urlmap.rb:41:in `call'
r:/Ruby192/lib/ruby/gems/1.9.1/gems/rails-2.3.11/lib/rails/rack/log_tailer.rb:17:in `call'
r:/Ruby192/lib/ruby/gems/1.9.1/gems/rack-1.1.0/lib/rack/content_length.rb:13:in `call'
r:/Ruby192/lib/ruby/gems/1.9.1/gems/rack-1.1.0/lib/rack/handler/webrick.rb:48:in `service'
r:/Ruby192/lib/ruby/1.9.1/webrick/httpserver.rb:111:in `service'
r:/Ruby192/lib/ruby/1.9.1/webrick/httpserver.rb:70:in `run'
r:/Ruby192/lib/ruby/1.9.1/webrick/server.rb:183:in `block in start_thread'
```

#35 - 2011-03-04 14:14 - Toshi MARUYAMA

"Files" module has similar strange behavior on my Japanese Windows Ruby 1.9.2.
I give up fix it.

#36 - 2011-03-04 15:37 - Toshi MARUYAMA

- Status changed from 7 to Closed
- % Done changed from 90 to 100
- Resolution set to Fixed

I finished implementing this feature until [r5001](#).
And I confirmed to run on my Japanese Windows Ruby 1.8 and Linux Ruby 1.8.

On Linux with [#4050 Ruby-1.9-Encoding.default_external.diff](#), I confirmed to run in ISO-8859-1 locale.

Files

issue-2664-0.9-stable-2010-04-11.patch	10.7 KB	2010-04-11	Yuya Nishihara
git-bzr.patch	1.37 KB	2010-06-07	Toshi MARUYAMA
20110207-db.diff	649 Bytes	2011-02-07	Toshi MARUYAMA
20110207-git-cvs-fs.diff	2.09 KB	2011-02-07	Toshi MARUYAMA
20110207-impl.diff	5.71 KB	2011-02-07	Toshi MARUYAMA
hg-ruby-1.9.diff	3.06 KB	2011-02-07	Toshi MARUYAMA
for-trunk-r4893-20110220.patch	8.2 KB	2011-02-20	Toshi MARUYAMA
ruby-1.9.2-japanese-windows.png	50.5 KB	2011-03-04	Toshi MARUYAMA