

## ChiliProject - Bug # 433: Repositories encodings are broken

<b>Status:</b>	Open	<b>Priority:</b>	Normal
<b>Author:</b>	Toshi MARUYAMA	<b>Category:</b>	SCM
<b>Created:</b>	2011-05-28	<b>Assignee:</b>	
<b>Updated:</b>	2011-06-06	<b>Due date:</b>	
<b>Remote issue URL:</b>			
<b>Affected version:</b>	unstable		
<b>Description:</b>	!repo-setting.png!		
	!redmine-fs.png!		
	!chili-fs.png!		

### Associated revisions

#### 2008-02-27 09:50 pm - Jean-Philippe Lang

Propagates time tracking to the parent project (closes #433). Time report enhancements.

git-svn-id: [http://redmine.rubyforge.org/svn/trunk@1176\\_e93f8b46-1217-0410-a6f0-8f06a7374b81](http://redmine.rubyforge.org/svn/trunk@1176_e93f8b46-1217-0410-a6f0-8f06a7374b81)

### History

#### 2011-05-29 06:01 pm - Eric Davis

- Priority changed from High to Normal

- Category set to SCM

- Status changed from Open to Needs more information

Please provide a description about the bug when posting it.

#### 2011-05-30 02:57 am - Toshi MARUYAMA

- Status changed from Needs more information to Open

You should "backout": [http://mercurial.selenic.com/wiki/Backout\\_commit:9baa3104](http://mercurial.selenic.com/wiki/Backout_commit:9baa3104).

#### 2011-05-30 03:46 am - Toshi MARUYAMA

```
<pre>
$ python
>>> s = "japanese"
>>> u = s.decode("utf-8").encode("utf-16")
>>> u
'\xff\xfej\x00a\x00p\x00a\x00n\x00e\x00s\x00e\x00'
```

</pre>

#### 2011-05-30 03:51 am - Toshi MARUYAMA

- File nul.png added

UTF-16 has '\0'.



Toshi MARUYAMA wrote:

> Not fixed.

> Did you run and confirm filesystem test repository?

1. It has been confirmed fixed according to my own tests and also confirmed on the CI server

> Why you don't backout commit:9baa310486d782b ?

2. commit:9baa310486d782b has nothing to do with this. Both assert\_tag and assert\_select are testing the same thing.

> Do you understand 'UTF-16'?

3. Yes

> Status changed from Closed to Open

4. Please do not reopen issues without contributing any more information. This is the second time today I've had to say this today.

<https://www.chiliproject.org/issues/440#note-21>

**2011-06-03 11:06 pm - Toshi MARUYAMA**

- Status changed from Closed to Open

Description images are on ChiliProject.

It is easy to reproduce.

UTF-16 has '\0', so it is easy to understand ChiliProject has 'MOJI-BAKE' (broken encoding).

Before you changed filesystem functional test, output has '\0'.

So, it is easy to understand why test fails.

Your modification filesystem test is wrong.

**2011-06-03 11:11 pm - Toshi MARUYAMA**

Your recent revisions are about ChangeSets.

Filesystem repository does not have ChangeSets.

Filesystem repository reads file directly for equivalent "svn/hg/git cat".

Do you really understand character encoding and internal ChiliProject/Redmine?

**2011-06-03 11:15 pm - Toshi MARUYAMA**

[http://ci.chiliproject.org/job/chiliproject\\_unstable/38/DATABASE=postgresql,RUBY=ruby-1.8.6-p420/testReport/%28root%29/RepositoriesFilesystemControllerTest/test\\_show\\_utf16/](http://ci.chiliproject.org/job/chiliproject_unstable/38/DATABASE=postgresql,RUBY=ruby-1.8.6-p420/testReport/%28root%29/RepositoriesFilesystemControllerTest/test_show_utf16/)

This includes \000j\000a\000p\000a\000n\000e\000s\000e\000r\000n

**2011-06-03 11:36 pm - Toshi MARUYAMA**

I changed this lines as following.

source:test/functional/repositories\_filesystem\_controller\_test.rb@a428fa60#L81

japanese -> english

```
<pre>
def test_show_utf16
  with_settings :repositories_encodings => 'UTF-16' do
    get :entry, :id => PRJ_ID, :path => ['japanese', 'utf-16.txt']
    assert_response :success

    assert_select "tr" do
      assert_select "th.line-num" do
        assert_select "a", :text => /2/
      end
      assert_select "td", :content => /english/
    end

  end
end

</pre>
```

But, test passes.

Your test is wrong.

You don't understand 'UTF-16'.

**2011-06-04 01:18 am - Toshi MARUYAMA**

Eric Davis wrote:

> 4. Please do not reopen issues without contributing any more information. This is the second time today I've had to say this today.

<https://www.chiliproject.org/issues/440#note-21>

I give you more information \*in English\*.

You don't understand my information.

**2011-06-04 04:57 am - Toshi MARUYAMA**

Eric Davis wrote:

> > Do you understand 'UTF-16'?

> 3. Yes

You don't understand UTF-16.

```
<pre>
$ rake test:scm:setup:filesystem
./filesystem_repository/
./filesystem_repository/test
./filesystem_repository/japanese/
./filesystem_repository/japanese/utf-16.txt
./filesystem_repository/japanese/euc-jp.txt
./filesystem_repository/japanese/big-file.txt
./filesystem_repository/dir/
./filesystem_repository/dir/dirfile
./filesystem_repository/dir/subdir/

$ export LANG=en_US.UTF-8
```

```
$ locale
LANG=en_US.UTF-8
LC_CTYPE="en_US.UTF-8"
LC_NUMERIC="en_US.UTF-8"
LC_TIME="en_US.UTF-8"
LC_COLLATE="en_US.UTF-8"
LC_MONETARY="en_US.UTF-8"
LC_MESSAGES="en_US.UTF-8"
LC_PAPER="en_US.UTF-8"
LC_NAME="en_US.UTF-8"
LC_ADDRESS="en_US.UTF-8"
LC_TELEPHONE="en_US.UTF-8"
LC_MEASUREMENT="en_US.UTF-8"
LC_IDENTIFICATION="en_US.UTF-8"
LC_ALL=
```

```
$ cat tmp/test/filesystem_repository/japanese/utf-16.txt \
| iconv -f utf-16 -t utf-8 | cat -n
 1 UTF-16
 2 japanese
 3 æ—¥æœ—è³ž
 4 ā «ā»ā,“ā”
 5 āf·āf·āf³ā,´
 6 æ—¥æœ—è³ž
 7 ā «ā»ā,“ā”
 8 āf·āf·āf³ā,´
 9 æ—¥æœ—è³ž
10 ā «ā»ā,“ā”
11 āf·āf·āf³ā,´
12
```

```
$ cat tmp/test/filesystem_repository/japanese/utf-16.txt | od -a
0000000 del ~ U nul T nul F nul - nul 1 nul 6 nul cr nul
0000020 nl nul j nul a nul p nul a nul n nul e nul s nul
0000040 e nul cr nul nl nul e e , g rs nl cr nul nl nul
0000060 k 0 { 0 dc3 0 T 0 cr nul nl nul K 0 [ 0
0000100 s 0 4 0 cr nul nl nul e e , g rs nl cr nul
0000120 nl nul k 0 { 0 dc3 0 T 0 cr nul nl nul K 0
0000140 [ 0 s 0 4 0 cr nul nl nul e e , g rs nl
0000160 cr nul nl nul k 0 { 0 dc3 0 T 0 cr nul nl nul
0000200 K 0 [ 0 s 0 4 0 cr nul nl nul cr nul nl nul
0000220
```

</pre>

**2011-06-04 05:34 am - Toshi MARUYAMA**

Eric Davis wrote:

> 2. commit:9baa310486d782b has nothing to do with this. Both assert\_tag and assert\_select are testing the same thing.

Your test is wrong.

This test passes.

```
<pre>
  def test_show_eucjp
    with_settings :repositories_encodings => 'UTF-8' do
      get :entry, :id => PRJ_ID, :path => ['japanese', 'euc-jp.txt']
      assert_response :success
      assert_select "td", {:count=>1, :text=>"japanese"}
    end
  end
end
</pre>
```

But, this test fails.

```
<pre>
  def test_show_utf16
    with_settings :repositories_encodings => 'UTF-16' do
      get :entry, :id => PRJ_ID, :path => ['japanese', 'utf-16.txt']
      assert_response :success
      assert_select "td", {:count=>1, :text=>"japanese"}
    end
  end
end
</pre>
```

```
<pre>
  1) Failure:
test_show_utf16(RepositoriesFilesystemControllerTest)
  [test/functional/repositories_filesystem_controller_test.rb:93:in `test_show_utf16'
  test/test_helper.rb:89:in `with_settings'
  test/functional/repositories_filesystem_controller_test.rb:90:in `test_show_utf16']:
<"japanese"> expected but was
<"U\000T\000F\000-\0001\0006\000\r\000">.
<false> is not true.
</pre>
```

UTF-16 is not compatible with ASCII.

EUC-JP and UTF-8 are compatible with ASCII.

You don't understand UTF-16.

**2011-06-05 05:20 pm - Eric Davis**

- Target version deleted (2.0.0)

- Assignee deleted (Eric Davis)

**2011-06-05 07:30 pm - deleted deleted**

@Toshi: It's quite over the top imho to (re-)open THREE times a ticket despite having been asked not to do so, resp. having been asked for more information (which 'You should backout 9baa3104.' certainly is not). Please try not to clutter issues with updates and finally, writing "Your test is wrong. You don't understand 'UTF-16'." is very unfriendly and really not helpful. - thank you

2011-06-06 12:52 am - Toshi MARUYAMA

Hans-Peter Suter wrote:

> Please try not to clutter issues with updates and finally, writing "Your test is wrong. You don't understand 'UTF-16.'" is very unfriendly and really not helpful. - thank you

It is easy to know why `*RepositoriesFilesystemControllerTest.test_show_utf16*` fails.

[http://ci.chiliproject.org/job/chiliproject\\_unstable/DATABASE=mysql,RUBY=ruby-1.8.7-p334/12/testReport/junit/\(root\)/RepositoriesFilesystemControllerTest/test\\_show\\_utf16/](http://ci.chiliproject.org/job/chiliproject_unstable/DATABASE=mysql,RUBY=ruby-1.8.7-p334/12/testReport/junit/(root)/RepositoriesFilesystemControllerTest/test_show_utf16/)

\*regression\*

## Files

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repo-setting.png	17.7 kB	2011-05-28	Toshi MARUYAMA
redmine-fs.png	30.8 kB	2011-05-28	Toshi MARUYAMA
chili-fs.png	20.5 kB	2011-05-28	Toshi MARUYAMA
nul.png	24.7 kB	2011-05-30	Toshi MARUYAMA