

## Redmine - Defect #11834

### Bazaar: "???" instead of non ASCII character in paths on non UTF-8 locale

2012-09-14 17:15 - Alexander Usenko

<b>Status:</b>	Closed	<b>Start date:</b>	
<b>Priority:</b>	Normal	<b>Due date:</b>	
<b>Assignee:</b>	Toshi MARUYAMA	<b>% Done:</b>	100%
<b>Category:</b>	SCM	<b>Estimated time:</b>	0.00 hour
<b>Target version:</b>	2.2.0	<b>Affected version:</b>	
<b>Resolution:</b>	Fixed		
<b>Description</b>			
BitNami Redmine Stack: <ul style="list-style-type: none"><li>- Redmine 2.0.3</li><li>- Ruby 1.8.7</li><li>- Rails 3.2.6</li><li>- Apache 2.2</li></ul>			
I'm using Redmine on Windows XP SP3 Rus and Windows Server 2003 Rus (cp1251). There is a problem with browsing Bazaar repository containing cyrillic symbols in repository filenames and paths. I see ??? instead of cyrillic symbols.			
I didn't find solution of this problem anywhere. Is there one?			
So, I checked other scm *_adapter.rb and made same 'bzip' output encoding conversion, so everything works now (see attached files, they contains comments of basic changes). Was it useless?			
Changes: <ul style="list-style-type: none"><li>- Added path encoding setup when adding Bazaar repo (same as for the filesystem).</li><li>- Removed log encoding setup, because of Bazaar is storing all comments in utf8 inside and outputs them with same encoding as for the path.</li></ul>			
P.S. Saw Ruby for the first time when started to do this			

#### Associated revisions

##### Revision 10414 - 2012-09-18 00:49 - Toshi MARUYAMA

scm: bazaar: update test repository (#11834)

Add new "non\_ascii" branch.

It was created by "bzip branch --no-tree branch00 non\_ascii".

It is equivalent to Git bare repository and Mercurial "hg update null".

It has non ASCII path name files and directory.

##### Revision 10415 - 2012-09-18 01:45 - Toshi MARUYAMA

scm: bazaar: add @path\_encoding instance value and set it UTF-8 at adapter initialize method (#11834)

##### Revision 10416 - 2012-09-18 01:45 - Toshi MARUYAMA

scm: bazaar: convert command line character encoding to @path\_encoding (#11834)

**Revision 10417 - 2012-09-18 01:46 - Toshi MARUYAMA**

scm: bazaar: convert path encoding from @path\_encoding to UTF-8 at adapter revisions method (#11834)

**Revision 10418 - 2012-09-18 01:46 - Toshi MARUYAMA**

scm: bazaar: convert path encoding from @path\_encoding to UTF-8 at adapter entries method (#11834)

**Revision 10420 - 2012-09-18 11:30 - Toshi MARUYAMA**

scm: bazaar: use log encoding as path encoding (#11834)

**Revision 10421 - 2012-09-18 11:30 - Toshi MARUYAMA**

scm: bazaar: add non ASCII path test to unit model test (#11834)

**Revision 10422 - 2012-09-18 12:10 - Toshi MARUYAMA**

scm: bazaar: do not call super initialize method at adapter (#11834)

On Bazaar 2.0.5, in case of using non ASCII **repository** path,  
following trace raise on all operation.

Traceback (most recent call last):

```
File "/usr/bin/bzr", line 142, in <module>
  exit_val = bzrlib.commands.main()
File "/usr/lib/python2.6/site-packages/bzrlib/commands.py", line 1102, in main
  argv = osutils.get_unicode_argv()
File "/usr/lib/python2.6/site-packages/bzrlib/osutils.py", line 90, in get_unicode_argv
  "encoding." % a))
bzrlib.errors.BzrError:
Parameter "/somewhere/\xe3\x83\x90\xe3\x82\xb6\xe3\x83\xbc/non_ascii/"
is unsupported by the current encoding.
```

**Revision 10423 - 2012-09-18 12:10 - Toshi MARUYAMA**

scm: bazaar: add more comment to non ASCII path tests at unit model test (#11834)

**History**

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**#1 - 2012-09-14 17:46 - Alexander Usenko**

There can be a problem with file annotation view (simple file view is Ok). "Attachments and repositories encodings" in application settings must be set to "UTF-8, CP1251", not to "CP1251, UTF-8". Last case causes file to look like it is encoded in UTF-8, but is browsed in CP1251.

What is being seen: C,PμCfC, C,PμCfC, C,PμCfC,

What should be seen: тест тест тест

Maybe i forgot smth in annotate function of bazaar\_adapter.rb

**#2 - 2012-09-15 11:19 - Bruno Souza**

I dont know

**#3 - 2012-09-15 11:26 - Toshi MARUYAMA**

- Status changed from New to 7
- Assignee set to Toshi MARUYAMA
- Affected version (unused) deleted (2.0.3)
- Affected version deleted (2.0.3)

**#4 - 2012-09-18 12:41 - Toshi MARUYAMA**

- Subject changed from Redmine+Bazaar+Windows: "???" instead of cyrillic symbols in repository paths to Bazaar+Windows: "???" instead of non ASCII character in paths

**#5 - 2012-09-18 12:43 - Toshi MARUYAMA**

- Subject changed from Bazaar+Windows: "???" instead of non ASCII character in paths to Bazaar: "???" instead of non ASCII character in paths on non UTF-8 locale

**#6 - 2012-09-18 13:09 - Toshi MARUYAMA**

- Target version set to 2.2.0
- % Done changed from 0 to 100

**#7 - 2012-10-13 13:03 - Jean-Philippe Lang**

- Status changed from 7 to Closed
- Resolution set to Fixed

**Files**

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bazaar.rb	3.95 KB	2012-09-14	Alexander Usenko
bazaar_adapter.rb	11.8 KB	2012-09-14	Alexander Usenko
repositories_helper.rb	12.9 KB	2012-09-14	Alexander Usenko