

## Redmine - Defect #14357

### Wrong encoding for Bazaar repository

2013-06-26 10:01 - Muhammad Bashir Al-Noimi

|                        |      |                          |           |
|------------------------|------|--------------------------|-----------|
| <b>Status:</b>         | New  | <b>Start date:</b>       |           |
| <b>Priority:</b>       | High | <b>Due date:</b>         |           |
| <b>Assignee:</b>       |      | <b>% Done:</b>           | 0%        |
| <b>Category:</b>       | SCM  | <b>Estimated time:</b>   | 0.00 hour |
| <b>Target version:</b> |      | <b>Affected version:</b> | 1.4.4     |
| <b>Resolution:</b>     |      |                          |           |

#### Description

I configured my project for reading my bazaar repository but I surprised when I discovered that redmine shows the log with '?' characters instead of Unicode (I'm using Arabic characters)

I read about similar [bug](#) but it seems fixed while I'm still face this issue!

How can I fix this issue?

PS

- "bzd log" shows correctly ([see this screenshot](#))
- I configured redmine to use Arabic interface ([see this screenshot](#))

#### My System locale

```
linux-server ~ # env
TERM=xterm
SHELL=/bin/bash
XDG_SESSION_COOKIE=8bc01c29c7eefef0c99074e800000005-1370964589.800340-2108479271
SSH_CLIENT=192.168.0.129 45329 22
SSH_TTY=/dev/pts/1
USER=root
MAIL=/var/mail/root
PATH=/usr/local/sbin:/usr/local/bin:/usr/sbin:/usr/bin:/sbin:/bin:/usr/games
PWD=/root
LANG=en_US.UTF-8
SHLVL=1
HOME=/root
LOGNAME=root
SSH_CONNECTION=192.168.0.129 45329 192.168.0.74 22
_=/usr/bin/env
linux-server ~ # dpkg-reconfigure locales
Generating locales...
 ar_LY.UTF-8... up-to-date
 ar_SA.UTF-8... up-to-date
 ar_SY.UTF-8... up-to-date
 en_AG.UTF-8... up-to-date
 en_AU.UTF-8... up-to-date
 en_BW.UTF-8... up-to-date
 en_CA.UTF-8... up-to-date
 en_DK.UTF-8... up-to-date
 en_GB.UTF-8... up-to-date
 en_HK.UTF-8... up-to-date
 en_IE.UTF-8... up-to-date
```

```
en_IN.UTF-8... up-to-date
en_NG.UTF-8... up-to-date
en_NZ.UTF-8... up-to-date
en_PH.UTF-8... up-to-date
en_SG.UTF-8... up-to-date
en_US.UTF-8... up-to-date
en_ZA.UTF-8... up-to-date
en_ZM.UTF-8... up-to-date
en_ZW.UTF-8... up-to-date
Generation complete.
linux-server ~ # locale
LANG=en_US.UTF-8
LANGUAGE=
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=
linux-server ~ #
```

### Postgresql configuration

```
-- Database: redmine_default

-- DROP DATABASE redmine_default;

CREATE DATABASE redmine_default
WITH OWNER = postgres
ENCODING = 'UTF8'
TABLESPACE = pg_default
LC_COLLATE = 'en_US.UTF-8'
LC_CTYPE = 'en_US.UTF-8'
CONNECTION LIMIT = -1;
```

### History

#1 - 2013-06-26 10:37 - Toshi MARUYAMA

- Category changed from I18n to SCM

#2 - 2013-06-26 10:41 - Toshi MARUYAMA

Is webserver (e.g. apache passenger) user root?

"bzd log" encoding depends on user locale.

### #3 - 2013-06-26 10:43 - Toshi MARUYAMA

- Subject changed from Wrong encoding for Bzd repository to Wrong encoding for Bazaar repository

### #4 - 2013-06-26 10:51 - Muhammad Bashir Al-Noimi

Toshi MARUYAMA wrote:

```
| Is webserver (e.g. apache passenger) user root?
```

what do you mean?

### #5 - 2013-06-26 11:28 - Toshi MARUYAMA

On my CentOS6

```
$ ps -ef | grep -i pass
root    1411  1395  0 17:58 ?        00:00:00 PassengerWatchdog
root    1416  1411  0 17:58 ?        00:00:00 PassengerHelperAgent
root    1420  1416  0 17:58 ?        00:00:00 Passenger spawn server
nobody  1423  1411  0 17:58 ?        00:00:00 PassengerLoggingAgent
xxxxxx  1539  1420  1 18:24 ?        00:00:02 Passenger ApplicationSpawner: /REDMINE/MY-REDMINE/test-3000
xxxxxx  1616  1420  2 18:25 ?        00:00:02 Passenger ApplicationSpawner: /REDMINE/MY-REDMINE/test-4000
xxxxxx  1659  1551  0 18:27 pts/0   00:00:00 grep -i pass
```

### #6 - 2013-06-26 11:31 - Toshi MARUYAMA

[http://www.modrails.com/documentation/Users%20guide%20Apache.html#finding\\_out\\_app\\_user](http://www.modrails.com/documentation/Users%20guide%20Apache.html#finding_out_app_user)

### #7 - 2013-06-26 18:14 - Muhammad Bashir Al-Noimi

Toshi MARUYAMA wrote:

```
| On my CentOS6
```

```
linux-server ~ # ps -ef | grep -i pass
root    2187  2171  0 Jun25 ?        00:00:00 /usr/lib/phusion_passenger/ApplicationPoolServerExecutable 0
/usr/lib/phusion_passenger/passenger-spawn-server /usr/bin/ruby /tmp/passenger.2151
root    2189  2187  0 Jun25 ?        00:01:39 Passenger spawn server

www-data 23222  2189  1 17:09 ?        00:00:04 Passenger ApplicationSpawner: /usr/share/redmine

root    23696 23645  0 17:15 pts/0   00:00:00 grep --colour=auto -i pass
linux-server ~ #
```

I'm using ubuntu

**#8 - 2013-06-26 19:21 - Toshi MARUYAMA**

What is locale of www-data user?

What is result of "bzd log" of www-data user?

**#9 - 2013-06-26 22:38 - Muhammad Bashir Al-Noimi**

Toshi MARUYAMA wrote:

| *What is locale of www-data user?*

| *What is result of "bzd log" of www-data user?*

www-data just a user/group created by tasksel LAMP. How can I get its local?

**#10 - 2013-06-27 00:17 - Toshi MARUYAMA**

Muhammad Bashir Al-Noimi wrote:

| *Toshi MARUYAMA wrote:*

| | *What is locale of www-data user?*

| | *What is result of "bzd log" of www-data user?*

| *www-data just a user/group created by tasksel LAMP. How can I get its local?*

On root user, "# su - www-data".

**#11 - 2013-06-27 18:16 - Muhammad Bashir Al-Noimi**

Toshi MARUYAMA wrote:

| *On root user, "# su - www-data".*

```
linux-server master # su - www-data
$ locale
LANG=en_US.UTF-8
LANGUAGE=
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=
$ bzd log
bzd: ERROR: Not a branch: "/var/www/".
$
```

By the way, I upgraded redmine to version 2.3.1 but I still get same issue

#### #12 - 2013-06-28 00:26 - Toshi MARUYAMA

- *File settings.png added*

What is "Commit messages encoding"?

settings.png

#### #13 - 2013-06-28 10:41 - Muhammad Bashir Al-Noimi

Toshi MARUYAMA wrote:

| *What is "Commit messages encoding"?*

UTF-8

P.S. I tried CP1256 but I got similar behavior

#### #14 - 2013-06-28 14:28 - Toshi MARUYAMA

I have no idea.

Bazaar is poor than Subversion and Mercurial and Git.

- Subversion and Mercurial support xml output, but Bazaar does not.
- Mercurial and Git can set encoding, but Bazaar cannot.
  - Mercurial: [source:tags/2.3.1/lib/redmine/scm/adapters/mercurial\\_adapter.rb#L304](https://sourceforge.net/p/redmine/scm/adapters/mercurial_adapter.rb/L304)
  - Git: [source:tags/2.3.1/lib/redmine/scm/adapters/git\\_adapter.rb#L172](https://sourceforge.net/p/redmine/scm/adapters/git_adapter.rb/L172)

#### #15 - 2013-06-28 14:34 - Toshi MARUYAMA

I recommend you to switch from Bazaar to Mercurial or Git.

Because Bazaar is no longer being actively developed.

- <https://lists.ubuntu.com/archives/bazaar/2012q4/075330.html>

- <http://www.stationary-traveller.eu/pages/bzr-a-retrospective.html>

**#16 - 2013-06-28 14:49 - Muhammad Bashir Al-Noimi**

Toshi MARUYAMA wrote:

| *I recommend you to switch from Bazaar to Mercurial or Git.*

| *Because Bazaar is no longer being actively developed.* - <https://lists.ubuntu.com/archives/bazaar/2012q4/075330.html>

| - <http://www.stationary-traveller.eu/pages/bzr-a-retrospective.html>

unfortunately, currently this is not an option to me because we use bzr many years ago, but the only option I've to do is finding a solution for redmine or I've to replace redmine with something else.

As I mentioned before I've no experience with Ruby so the only place to get support is here.

**#17 - 2013-06-28 15:32 - Toshi MARUYAMA**

Muhammad Bashir Al-Noimi wrote:

| *I've to replace redmine with something else.*

But, Trac with Bazaar has problems.

<http://lists.nvaccess.org/pipermail/nvda-dev/2013-April/032163.html>

**Files**

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|              |         |            |                |
|--------------|---------|------------|----------------|
| settings.png | 15.2 KB | 2013-06-27 | Toshi MARUYAMA |
|--------------|---------|------------|----------------|