

## Redmine - Defect #10590

### WikiContent::Version#text return string with #<Encoding:ASCII-8BIT> when uncompressed

2012-04-03 10:16 - Alexander Oryol

<b>Status:</b>	Closed	<b>Start date:</b>	
<b>Priority:</b>	Normal	<b>Due date:</b>	
<b>Assignee:</b>		<b>% Done:</b>	0%
<b>Category:</b>	Wiki	<b>Estimated time:</b>	0.00 hour
<b>Target version:</b>	1.4.0	<b>Affected version:</b>	
<b>Resolution:</b>	Fixed		
<b>Description</b>			
<p>- ruby 1.9.3p125 - postgresql 8.4.11 - rails 2.3.14 - redmine trunk</p> <p>Wiki history compression: <b>none</b></p> <pre>\$ script/console Loading development environment (Rails 2.3.14) /home/asor/.rvm/gems/ruby-1.9.3-p125-fast/gems/activesupport-2.3.14/lib/active_support/inflector.rb:3:in `&lt;top (required)&gt;': iconv will be deprecated in the future, use String#encode instead. NOTE: Gem.source_index is deprecated, use Specification. It will be removed on or after 2011-11-01. Gem.source_index called from /home/asor/.rvm/gems/ruby-1.9.3-p125-fast/gems/rails-2.3.14/lib/rails/gem_dependency.rb:21. &gt;&gt; WikiPage.find(:first).content.text.encoding =&gt; #&lt;Encoding:UTF-8&gt; &gt;&gt; WikiPage.find(:first).content.versions.first.text.encoding =&gt; #&lt;Encoding:ASCII-8BIT&gt;</pre> <p>We should always force_encoding to UTF-8, if data stored as binary type. The patch attached.</p> <p>When applied:</p> <pre>&gt;&gt; WikiPage.find(:first).content.text.encoding =&gt; #&lt;Encoding:UTF-8&gt; &gt;&gt; WikiPage.find(:first).content.versions.first.text.encoding =&gt; #&lt;Encoding:UTF-8&gt;</pre>			

#### Associated revisions

Revision 9329 - 2012-04-06 09:21 - Jean-Philippe Lang

WikiContent::Version#text may return ascii-8bit encoded string (#10590).

#### History

#1 - 2012-04-03 10:27 - Toshi MARUYAMA

- Assignee deleted (Toshi MARUYAMA)

What database do you use?

mysql1 has problems on Ruby1.9.

You need to use mysql2 instead of mysql1.

source:trunk/Gemfile@9244#L44

## #2 - 2012-04-03 10:31 - Toshi MARUYAMA

Sorry, in description "postgresl 8.4.11".

## #3 - 2012-04-03 10:38 - Alexander Oryol

Patch is (in attachment):

commit b0ec4111730809bc2f4bafd071ba2271e290e9e1

Author: Alex Eagle <eagle.alex@gmail.com>

Date: Tue Apr 3 11:58:05 2012 +0400

Force encoding string from data binary always (not only compressed)

```
diff --git a/app/models/wiki_content.rb b/app/models/wiki_content.rb
index 430e9a5..d5a3870 100644
--- a/app/models/wiki_content.rb
+++ b/app/models/wiki_content.rb
@@ -91,14 +91,16 @@ class WikiContent < ActiveRecord::Base
  end

  def text
-   @text ||= case compression
-   when 'gzip'
-     str = Zlib::Inflate.inflate(data)
+   @text ||= begin
+     str = case compression
+       when 'gzip'
+         Zlib::Inflate.inflate(data)
+       else
+         # uncompressed data
+         data
+       end
    str.force_encoding("UTF-8") if str.respond_to?(:force_encoding)
    str
-   else
-     # uncompressed data
-     data
  end
end
```

## #4 - 2012-04-03 10:58 - Toshi MARUYAMA

It seems acts\_as\_versioned or PostgreSQL problem.

**#5 - 2012-04-03 11:08 - Alexander Oryol**

Not PostgreSQL exactly.

DB return byte-array. Rails interpretate column (t.column :data, :binary) in string context as ASCII-8BIT unless otherwise.

Code for transformation field 'data' into text defined in WikiContent::Version#text.

IMHO, this is model Version problem.

**#6 - 2012-04-03 11:29 - Etienne Massip**

Might be tied to #6941; I just saw I had this old issue back and that upgrading pg gem to latest version in Gemfile (+bundle update) solved it.

**#7 - 2012-04-03 11:49 - Alexander Oryol**

Updated pg gem to pg (0.13.2) do not solve it.

```
$ cat Gemfile|grep pg
  gem "pg"#, "~> 0.9.0"
$ cat Gemfile.lock|grep pg
  pg (0.13.2)
  pg
```

Result:

```
>> WikiPage.first.content.versions.last.data.encoding
=> #<Encoding:ASCII-8BIT>
```

**#8 - 2012-04-03 15:21 - Etienne Massip**

- *Tracker changed from Patch to Defect*
- *Target version set to 1.4.0*
- *Affected version (unused) set to devel*

Potential release blocker.

Aside note: as explained above, required pg gem version should be raised to prevent #6941.

**#9 - 2012-04-03 19:50 - Etienne Massip**

- *Status changed from New to Confirmed*

**#10 - 2012-04-06 09:22 - Jean-Philippe Lang**

- *Status changed from Confirmed to Closed*
- *Resolution set to Fixed*

Patch applied in r9329.

## Files

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force_encoding_always.patch	1.06 KB	2012-04-03	Alexander Oryol
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