

## Redmine - Defect #25563

### Remove is\_binary\_data? from String

2017-04-10 10:34 - Dmitry Lisichkin

<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>	Code cleanup/refactoring	<b>Estimated time:</b>	0.00 hour
<b>Target version:</b>	3.4.0	<b>Affected version:</b>	
<b>Resolution:</b>	Fixed		
<b>Description</b>			
Method is_binary_data? was removed from String class in ruby 1.9.2 <a href="https://apidock.com/ruby/v1_9_1_378/String/is_binary_data%3F">https://apidock.com/ruby/v1_9_1_378/String/is_binary_data%3F</a>			
Then it was returned to String by redmine in 'rails 3.2' branch ( <a href="#">r9475</a> )			
It cause problem with ruby-debug-ide gem: <a href="https://github.com/ruby-debug/ruby-debug-ide/blob/ce3dbe0a76e11f34abf60740b7c88b23a1c3b5bf/lib/ruby-debug-ide/xml_printer.rb#L355">https://github.com/ruby-debug/ruby-debug-ide/blob/ce3dbe0a76e11f34abf60740b7c88b23a1c3b5bf/lib/ruby-debug-ide/xml_printer.rb#L355</a>			
Almost all non-ASCII strings in debugger shown as [BinaryData]			
I'll prefer remove that method at all but it used by SCM system. It is a very old code ( <a href="#">r5204</a> ) and I don't know about it is actual for now days.			
But you can just rename that method to something different (see patch)			

#### Associated revisions

##### Revision 16644 - 2017-06-10 06:29 - Toshi MARUYAMA

remove is\_binary\_data? from String (#25563)

#### History

##### #1 - 2017-04-10 16:16 - Toshi MARUYAMA

- Status changed from New to Needs feedback

Dmitry Lisichkin wrote:

I'll prefer remove that method at all but it used by SCM system.  
It is a very old code ([r5204](#)) and I don't know about it is actual for now days.

For example, [source:tags/3.3.3/test/functional/repositories\\_git\\_controller\\_test.rb#L448](#) .

It cause problem with ruby-debug-ide gem:  
[https://github.com/ruby-debug/ruby-debug-ide/blob/ce3dbe0a76e11f34abf60740b7c88b23a1c3b5bf/lib/ruby-debug-ide/xml\\_printer.rb#L355](https://github.com/ruby-debug/ruby-debug-ide/blob/ce3dbe0a76e11f34abf60740b7c88b23a1c3b5bf/lib/ruby-debug-ide/xml_printer.rb#L355)

I don't know about ruby-debug-ide, but it seems this code can be removed if ruby-debug-ide does not support Ruby 1.8.7.

Because it comes from

<https://github.com/ruby-debug/ruby-debug-ide/commit/81aa3f9b66b65f02cea84945c6109e1bbe39ad66> .

Almost all non-ASCII strings in debugger shown as [BinaryData]

I think it is expected behavior of ruby-debug-ide on Ruby 1.8.

##### #2 - 2017-04-11 11:06 - Dmitry Lisichkin

Toshi MARUYAMA wrote:

I don't know about ruby-debug-ide, but it seems this code can be removed if ruby-debug-ide does not support Ruby 1.8.7.  
Because it comes from

<https://github.com/ruby-debug/ruby-debug-ide/commit/81aa3f9b66b65f02cea84945c6109e1bbe39ad66>.

I think that ruby-debug-ide IS support old Ruby

Toshi MARUYAMA wrote:

I think it is expected behavior of ruby-debug-ide on Ruby 1.8.

And this is not a problem because there is not so much people that work with this fossil=)

Problem in redmine code

I only say that the monkey-patching of core Ruby classes is not a good idea.

I spent some time yesterday and found that `is_binary_data?` method was removed only in 2.0.0 with replacement `syck-engine` to `psych-engine`

[https://github.com/ruby/ruby/blob/ruby\\_1\\_9\\_3/ext/syck/lib/syck/rubytypes.rb#L152](https://github.com/ruby/ruby/blob/ruby_1_9_3/ext/syck/lib/syck/rubytypes.rb#L152)

<https://github.com/ruby/ruby/commit/5571c7315e118b339c6b6590e666dfda68a7327d>

In `psych` that method was moved from `String` to service class (the only right way):

<https://github.com/ruby/psych/commit/c9cd187d5aa8fa6607dd463b5f98a65483ae39ce>

So.. There is a strange thing. Redmine retrieve method to `String` from old `YAML-engine` (sic!). It's not normal.

I don't know, maybe that should be self-method in `Redmine::Scm::Adapters::AbstractAdapter` or in some new class or module:

```
def binary_data?(string)
  (string.count("^~", "\r\n").fdiv(string.size) > 0.3 || string.index("\x00")) unless string.empty?
end
```

But it definitely should not be in `String`.

### #3 - 2017-05-11 09:16 - Toshi MARUYAMA

- *File issue-25563.diff added*

- *Target version set to 4.1.0*

Dmitry Lisichkin wrote:

I don't know, maybe that should be self-method in `Redmine::Scm::Adapters::AbstractAdapter` or in some new class or module:

This is patch in this way.

### #4 - 2017-05-11 21:40 - Dmitry Lisichkin

Toshi MARUYAMA wrote:

Dmitry Lisichkin wrote:

I don't know, maybe that should be self-method in `Redmine::Scm::Adapters::AbstractAdapter` or in some new class or module:

This is patch in this way.

Big thanks.

One thing: `ScmData` is not look as class when it have only one self-method. I think that should be a module.

And if we have `ScmData` constant then we can name this method just `binary?`

### #5 - 2017-05-11 21:44 - Dmitry Lisichkin

- *File issue-25563\_2.diff added*

### #6 - 2017-06-10 06:24 - Toshi MARUYAMA

- *Target version changed from 4.1.0 to 3.4.0*

### #7 - 2017-06-10 07:13 - Toshi MARUYAMA

- *Status changed from Needs feedback to Closed*

- *Resolution set to Fixed*

Committed note-5 patch, thanks.

## Files

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is_binary_data.patch	1.9 KB	2017-04-10	Dmitry Lisichkin
issue-25563.diff	2.28 KB	2017-05-11	Toshi MARUYAMA
issue-25563_2.diff	2.26 KB	2017-05-11	Dmitry Lisichkin