Redmine - Defect #25563
Remove is_binary_data? from String
2017-04-10 10:34 - Dmitry Lisichkin

<table>
<thead>
<tr>
<th>Status:</th>
<th>Closed</th>
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<tbody>
<tr>
<td>Priority:</td>
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<tr>
<td>Category:</td>
<td>Code cleanup/refactoring</td>
</tr>
<tr>
<td>Target version:</td>
<td>3.4.0</td>
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<tr>
<td>Resolution:</td>
<td>Fixed</td>
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<td>Start date:</td>
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<td>Due date:</td>
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<td>% Done:</td>
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<td>Estimated time:</td>
<td>0.00 hour</td>
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<tr>
<td>Affected version:</td>
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</table>

**Description**

Method `is_binary_data?` was removed from String class in ruby 1.9.2

[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)

Then it was returned to String by redmine in `rails 3.2` branch (r9475)

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)

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 (r5204) 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
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/commit/5571c7315e118b339c6b6590e666dfda68a7327d

In psych that method was moved from String to service class (the only right way):
https://github.com/ruby/psych/commit/c9cd187d5aa8fa6607dd463b598a65483ae39ce

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:

2020-06-11
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:

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

<table>
<thead>
<tr>
<th>File</th>
<th>Size</th>
<th>Date</th>
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<td>1.9 KB</td>
<td>2017-04-10</td>
<td>Dmitry Lisichkin</td>
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<td>2.28 KB</td>
<td>2017-05-11</td>
<td>Toshi MARUYAMA</td>
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