

Redmine - Defect #33021

[v.4.0.5-stable] Internal Server Error 500 when accessing 'repository' tab

2020-02-18 20:45 - Matthew Sexton

Status: New	Start date:																				
Priority: Normal	Due date:																				
Assignee:	% Done: 0%																				
Category: SCM	Estimated time: 0.00 hour																				
Target version:	Affected version: 4.0.5																				
Resolution:																					
Description																					
<p>Using Arch Linux kernel version 5.5.3-arch1-1, Redmine served using mod_passenger (v6.0.4-2) on Apache (2.4.41-1). Trying to access 'repository' tab gives error 500. Changesets can be viewed, and git integration otherwise works well. Issues tagged in commit msgs are properly closed/referenced.</p> <p>Environment:</p> <table><tr><td>Redmine version</td><td>4.0.5.stable</td></tr><tr><td>Ruby version</td><td>2.7.0-p0 (2019-12-25) [x86_64-linux]</td></tr><tr><td>Rails version</td><td>5.2.3</td></tr><tr><td>Environment</td><td>production</td></tr><tr><td>Database adapter</td><td>Mysql2</td></tr><tr><td>Mailer queue</td><td>ActiveJob::QueueAdapters::AsyncAdapter</td></tr><tr><td>Mailer delivery</td><td>sendmail</td></tr></table> <p>SCM:</p> <table><tr><td>Git</td><td>2.25.1</td></tr><tr><td>Filesystem</td><td></td></tr></table> <p>Redmine plugins:</p> <table><tr><td>redmine_messenger</td><td>1.0.6</td></tr></table> <p>App 244788 output: Started GET "/tracker/projects/(PROJECT)/repository" for (IP-ADDRESS) at 2020-02-18 11:18:50 -0500 App 244788 output: Processing by RepositoriesController#show as HTML App 244788 output: Parameters: {"id"=>(LOCAL_USER)} App 244788 output: Current user: (REDMINE_USER) (id=5) App 244788 output: Completed 500 Internal Server Error in 30ms (ActiveRecord: 7.6ms) App 244788 output: App 244788 output: FrozenError (can't modify frozen String: ""): App 244788 output: App 244788 output: lib/redmine/scm/adapters/abstract_adapter.rb:279:in `force_encoding' App 244788 output: lib/redmine/scm/adapters/abstract_adapter.rb:279:in `scm_iconv' App 244788 output: lib/redmine/scm/adapters/git_adapter.rb:136:in `entries' App 244788 output: app/models/repository/git.rb:98:in `scm_entries' App 244788 output: app/models/repository.rb:204:in `entries' App 244788 output: app/controllers/repositories_controller.rb:86:in `show' App 244788 output: lib/redmine/sudo_mode.rb:63:in `sudo_mode'</p>		Redmine version	4.0.5.stable	Ruby version	2.7.0-p0 (2019-12-25) [x86_64-linux]	Rails version	5.2.3	Environment	production	Database adapter	Mysql2	Mailer queue	ActiveJob::QueueAdapters::AsyncAdapter	Mailer delivery	sendmail	Git	2.25.1	Filesystem		redmine_messenger	1.0.6
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Related issues:																					
Related to Redmine - Feature # 31500: Ruby 2.7 support	Closed																				

History

#1 - 2020-02-18 22:26 - Pavel Rosický

redmine 4.0.5 doesn't support ruby 2.7 yet <https://www.redmine.org/issues/31500>

the error seems to be related to this change <https://bugs.ruby-lang.org/issues/16150>

https://github.com/redmine/redmine/blob/caa88a2ed308224edc66f411b1466a7e622994c3/app/controllers/repositories_controller.rb#L320

at this line, there's a "params[:path].to_s" that may be nil and "nil.to_s" now returns a frozen string

#2 - 2020-02-18 22:58 - Matthew Sexton

Manually Downgraded the following packages:

ruby (2.7.0-1 => 2.6.5-1)

rubygems (3.1.2-4 => 3.0.6-1)

ruby-bundler (2.1.4-1 => 2.0.2-1)

and re-ran bundle install --without development test which fixed the problem. This was my mistaken, looking at the installation guide it does not list ruby 2.7 as supported.

However: It is a good note that I ran Redmine with Ruby 2.7 since December and in the entire time this was the only issue I ran into. Everything else worked pretty flawlessly.

#3 - 2020-02-19 10:45 - Go MAEDA

- Related to Feature #31500: Ruby 2.7 support added

#4 - 2020-02-20 01:41 - Anatol Pomozov

It would be great to debug and fix this problem so Arch can switch to ruby2.7 and avoid pulling the old ruby version.

#5 - 2020-02-20 07:28 - Marius BALTEANU

Anatol Pomozov wrote:

It would be great to debug and fix this problem so Arch can switch to ruby2.7 and avoid pulling the old ruby version.

Only Redmine 4.2.0 will have official support for ruby2.7, the fixes won't be back ported to previous versions. You will need to update your Redmine version when the release will be available or manually backport the fixes which I do not recommend.

#6 - 2020-02-24 21:42 - Anatol Pomozov

Marius BALTEANU wrote:

Only Redmine 4.2.0 will have official support for ruby2.7, the fixes won't be back ported to previous versions.

I wonder what is the reason behind this development practice? ruby 2.7 is mostly compatible with 2.6. And Matthew example above confirms it:

I ran Redmine with Ruby 2.7 since December and in the entire time this was the only issue I ran into

From my experience making a script compatible with ruby2.7 does not require too much efforts. It would be great to see redmine 4.0 compatible with ruby 2.7.

#7 - 2020-02-25 20:22 - Pavel Rosický

FYI, this issue is already fixed in Redmine 4.1.0 by <https://github.com/redmine/redmine/commit/30e341db6963d71fccf2d1bf24744ab828bee151>

From my experience making a script compatible with ruby2.7 does not require too much efforts.

I think the main reason why it can't be officially supported is you'll get tons of warnings on Ruby 2.7. Users would blame Redmine for that, but until it's fixed in Rails <https://github.com/rails/rails/pull/38386> we can't do much about it. They'll probably won't fix it for Rails 5.2.x anyway...

#8 - 2020-08-06 00:44 - Mark Anderson

This summer am working on upgrading our Redmine node also. My few plugins and using Subversion all worked fine with Ruby 2.7 - I made the same error!

There are MANY deprecation warnings which clutter up the log - but it all works / appears to work!

Matthew Sexton wrote:

<snip>

However: It is a good note that I ran Redmine with Ruby 2.7 since December and in the entire time this was the only issue I ran into. Everything else worked pretty flawlessly.

</snip>