

Redmine - Defect #5096

Redmine hangs up while browsing Git repository

2010-03-16 14:13 - Vladimir Babchuk

Status:	Closed	Start date:	2010-03-16
Priority:	Normal	Due date:	
Assignee:	Toshi MARUYAMA	% Done:	50%
Category:	SCM	Estimated time:	0.00 hour
Target version:	1.1.0	Affected version:	0.9.3
Resolution:	Fixed		
Description			
<p>git version 1.7.0.1 redmine version 0.9.3 rails are shipped with redmine (Rails 2.3.5) ruby 1.8.7 (2009-12-24 patchlevel 248) [i386-freebsd8] postgres (PostgreSQL) 8.2.15</p> <p>other gems: actionmailer (2.3.5, 2.3.4) actionpack (2.3.5, 2.3.4) activerecord (2.3.5, 2.3.4) activeresource (2.3.5, 2.3.4) activesupport (2.3.5, 2.3.4) cgi_multipart_eof_fix (2.5.0) daemons (1.0.10) fastthread (1.0.7) gem_plugin (0.2.3) mongrel (1.1.5) postgres (0.7.9.2008.01.28) rack (1.1.0, 1.0.1) rake (0.8.7) sources (0.0.2)</p> <p>While randomly browsing git repository whole site stops to respond. While trying to stop mongrel I got this in production.log:</p> <pre>@Processing RepositoriesController#show (for 10.10.17.1 at 2010-03-16 15:01:43) [GET] Parameters: {"action"=>"show", "id"=>"terminal-sdk", "controller"=>"repositories"}</pre> <p>Mongrel::TimeoutError (Mongrel timed out this thread: shutdown): lib/redmine/scm/adapters/git_adapter.rb:92:in `lastrev' lib/redmine/scm/adapters/git_adapter.rb:78 lib/redmine/scm/adapters/git_adapter.rb:66:in `each_line' lib/redmine/scm/adapters/git_adapter.rb:66 lib/redmine/scm/adapters/abstract_adapter.rb:193:in `call' lib/redmine/scm/adapters/abstract_adapter.rb:193:in `shellout' lib/redmine/scm/adapters/abstract_adapter.rb:191:in `popen' lib/redmine/scm/adapters/abstract_adapter.rb:191:in `shellout' lib/redmine/scm/adapters/abstract_adapter.rb:177:in `shellout' lib/redmine/scm/adapters/git_adapter.rb:65:in `entries' app/models/repository.rb:63:in `entries' app/controllers/repositories_controller.rb:72:in `show' @</p> <p>Also tried to use Webrick. No diference.</p>			
Related issues:			
Related to Redmine - Defect #7047: Git adapter very slow when a commit modifi...		New	2010-12-04

Associated revisions

Revision 4624 - 2011-01-03 11:45 - Toshi MARUYAMA

repository: git: change io.gets to io.readlines (#5404, #5096).

History

#1 - 2010-03-16 15:27 - Toshi MARUYAMA

Please see <http://www.redmine.org/issues/4773#note-14> and try patch of [#4773](#).

#2 - 2010-03-16 15:54 - Vladimir Babchuk

Toshi Maruyama wrote:

Please see <http://www.redmine.org/issues/4773#note-14> and try patch of [#4773](#).

Patches didn't help.. (First patch was already in release, second - didn't help).

It seems that code hungs at call to shellout function:

Mongrel::TimeoutError (Mongrel timed out this thread: shutdown):

```
lib/redmine/scm/adapters/abstract_adapter.rb:191:in `shellout'  
lib/redmine/scm/adapters/abstract_adapter.rb:177:in `shellout'  
lib/redmine/scm/adapters/git_adapter.rb:92:in `lastrev'  
lib/redmine/scm/adapters/git_adapter.rb:78  
lib/redmine/scm/adapters/git_adapter.rb:66:in `each_line'  
lib/redmine/scm/adapters/git_adapter.rb:66  
lib/redmine/scm/adapters/abstract_adapter.rb:193:in `call'  
lib/redmine/scm/adapters/abstract_adapter.rb:193:in `shellout'  
lib/redmine/scm/adapters/abstract_adapter.rb:191:in `popen'  
lib/redmine/scm/adapters/abstract_adapter.rb:191:in `shellout'  
lib/redmine/scm/adapters/abstract_adapter.rb:177:in `shellout'  
lib/redmine/scm/adapters/git_adapter.rb:65:in `entries'  
app/models/repository.rb:63:in `entries'  
app/controllers/repositories_controller.rb:72:in `show'
```

#3 - 2010-03-16 15:57 - Toshi MARUYAMA

Vladimir Babchuk wrote:

Patches didn't help.. (First patch was already in release, second - didn't help).

Sorry, patch is <http://www.redmine.org/attachments/3272/git-fast-browse.patch> .

#4 - 2010-03-16 16:13 - Vladimir Babchuk

Toshi Maruyama wrote:

Vladimir Babchuk wrote:

Patches didn't help.. (First patch was already in release, second - didn't help).

Sorry, patch is <http://www.redmine.org/attachments/3272/git-fast-browse.patch> .

Thanks! That patch helped me.

But... it like a hack (now I can't see revision, comment and etc. in repo browser). So problem is still remained.

Any thoughts how to fix it right? I can tree it in free time, but i can't realize what is causes it.

If execute commands that executes shellout by hand - git exits instantly.

By default git uses less to page results, but I disabled it. What else can cause thread lockup?

#5 - 2010-03-16 16:25 - Toshi MARUYAMA

Vladimir Babchuk wrote:

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But... it like a hack (now I can't see revision, comment and etc. in repo browser). So problem is still remained.

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If execute commands that executes shellout by hand - git exits instantly.

By default git uses less to page results, but I disabled it. What else can cause thread lockup?

<http://www.redmine.org/issues/4773#note-12>

Actually, what is really slow when browsing a git repository is to get information about last change on each file using git log -n 1. When removing this, browsing is pretty fast. Maybe we should disable this.

#6 - 2010-03-16 16:30 - Vladimir Babchuk

Toshi Maruyama wrote:

Actually, what is really slow when browsing a git repository is to get information about last change on each file using `git log -n 1`. When removing this, browsing is pretty fast. Maybe we should disable this.

Yes, I see. But in my repository only near ~15 files and ~10 commits. It can't be parsed so long! I think - there are other cause of this problem.

#7 - 2010-07-19 21:41 - Mitch Pirtle

I'm having the same performance problems related to git repositories. First the obligatory ENV schtuff:

- Redmine 0.9.2.devel.3437 (MySQL)
- ruby 1.8.7 (2009-06-12 patchlevel 174) [x86_64-linux]
- Rails 2.3.5
- mysql Ver 14.12 Distrib 5.0.51a, for debian-linux-gnu (x86_64) using readline 5.2

Info about repo:

- git version 1.5.6.5
- 400 commits
- < 5,000 files

Troubling for me is how redmine completely blocks until this view is rendered, and we're talking several minutes.

#8 - 2010-07-19 23:12 - Felix Schäfer

Mitch Pirtle wrote:

- Redmine 0.9.2.devel.3437 (MySQL)

Which has known performance issue with git, I don't they have been backported to 0.9.x, but definitely are in 1.0.x and trunk.

Troubling for me is how redmine completely blocks until this view is rendered, and we're talking several minutes.

What rails server do you use? If it's a single webrick or mongrel, that happens because multi-threading/multiple incoming connections are handled by spinning up more instances, which neither of both does on itself.

#9 - 2010-07-19 23:42 - Mitch Pirtle

Thanks for the explanation Felix.

This is a dev server running lighttpd, which probably explains the blocking.

Will update to trunk when I get the chance, as we could really use some relief.

#10 - 2010-11-16 09:17 - Toshi MARUYAMA

Redmine git adapter use "io.gets" at [source:tags/1.0.3/lib/redmine/scm/adapters/git_adapter.rb#L94](#) .

It seems there is same problem with [#6860](#).

It maybe we should use "io.each_line" instead of "io.gets".

#11 - 2010-11-23 09:37 - Toshi MARUYAMA

- File *git-io-gets.diff* added

- % Done changed from 0 to 50

I create a patch replacing "io.gets" and I attach it.

#12 - 2011-01-03 12:14 - Toshi MARUYAMA

- Assignee set to Toshi MARUYAMA

- Target version set to 1.1.0

#13 - 2011-01-03 12:18 - Toshi MARUYAMA

- Status changed from New to Closed

- Resolution set to Fixed

This issue's original problem seems to io.gets() problem.
I committed [r4624](#) in svn trunk and [r4627](#) in 1.1.
Git browsing performance issue is [#7047](#).
I close this issue.

Files

git-io-gets.diff	1.49 KB	2010-11-23	Toshi MARUYAMA
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