

## Redmine - Defect #5096

### Redmine hangs up while browsing Git repository

2010-03-16 14:13 - Vladimir Babchuk

<b>Status:</b>	Closed	<b>Start date:</b>	2010-03-16
<b>Priority:</b>	Normal	<b>Due date:</b>	
<b>Assignee:</b>	Toshi MARUYAMA	<b>% Done:</b>	50%
<b>Category:</b>	SCM	<b>Estimated time:</b>	0.00 hour
<b>Target version:</b>	1.1.0	<b>Affected version:</b>	0.9.3
<b>Resolution:</b>	Fixed		

#### Description

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

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)

While randomly browsing git repository whole site stops to respond.

While trying to stop mongrel I got this in production.log:

```
@Processing RepositoriesController#show (for 10.10.17.1 at 2010-03-16 15:01:43) [GET]
```

```
Parameters: {"action"=>"show", "id"=>"terminal-sdk", "controller"=>"repositories"}
```

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'
```

@

Also tried to use Webrick. No difference.

#### Related issues:

Related to Redmine - Defect # 7047: Git adapter very slow when a commit modif...

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:

*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?*

<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
- 

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**

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