

ChiliProject - Bug # 891: quotes around path when shelling out does not work on Windows

Status:	Closed	Priority:	Normal
Author:	Dies Koper	Category:	
Created:	2012-02-15	Assignee:	
Updated:	2012-03-05	Due date:	
Remote issue URL:			
Affected version:	3.0.0		
Description:	I encountered the following error when running rake test on Windows 7 with CP 3.0.0 repository cloned: <pre> D:/programs/Ruby187/bin/ruby.exe -I"lib:test" -I"D:/programs/Ruby187/lib/ruby/gems/1.8/gems/rake-0.9.2.2/lib" "D:/programs/Ruby187/lib/ ruby/gems/1.8/gems/rake-0.9.2.2/lib/rake/rake_test_loader.rb" "test/functional/**/*_test.rb" NOTE: Gem.source_index is deprecated, use Specification. It will be removed on or after 2011-11-01. Gem.source_index called from D:/programs/Ruby187/lib/ruby/gems/1.8/gems/rails-2.3.14/lib/rails/gem_dependency.rb:21. D:/sources/OSS/IT/chiliproject/lib/redmine/scm/adapters/abstract_adapter.rb:214:in `shellout': No such file or directory - "git" --git- dir='D:/sources/OSS/IT/chiliproject/.git' rev-parse --short=9 HEAD (Redmine::Scm::Adapters::CommandFailed) from D:/sources/OSS/IT/chiliproject/lib/chili_project/version.rb:46:in `send' </pre> When running the command without the single quotes in the git-dir it works fine. Felix mentioned that GitAdapter doesn't have them either so they are probably not needed.		

Associated revisions

2008-03-23 09:34 am - Jean-Philippe Lang

Translations (closes #875, #876, #889, #891, #909):

- * Norwegian added (Kai Olav Fredriksen)
- * Finnish updated (Antti Perki m ki)
- * Czech updated (Maxim Kru jina)
- * Russian updated (Michael Pirogov)
- * Polish updated (Mariusz Olejnik)

git-svn-id: <http://redmine.rubyforge.org/svn/trunk@1289> e93f8b46-1217-0410-a6f0-8f06a7374b81

2012-03-01 12:40 am - Felix Sch fer

Correct quotation #891

The Windows shell doesn't seem to support single quotes

Contributed by Dies Koper, Luke Carrier

2012-03-05 06:21 pm - Felix Sch fer

Switch to GitAdapter for quoting #891

Fixes problems with paths containing quotes (sic)

History

2012-02-17 01:42 am - Dies Koper

FYI, by simply removing the quotes in version.rb I was able to confirm all tests pass on Windows Server 2003 SE SP2 with pg 0.9.0 and 0.13.1.

```
<pre>
712 tests, 2199 assertions, 0 failures, 0 errors
...
1181 tests, 2141 assertions, 0 failures, 0 errors
</pre>
```

2012-02-17 12:48 pm - Felix Schäfer

Just removing the quotes probably won't be enough because it will probably break as soon as there's a space in the path, but it's a good starting point. I don't know windows enough, could you see if it works if double instead of single quotes?

2012-02-20 03:19 am - Dies Koper

You're probably right. I've done the tests again, even renamed my CP installation directory to contain a few spaces ("d:\sources\OSS\IT\dir with spaces\chiliproject"), with double quotes and all passed.

I've also run the tests on CentOS with this change to confirm it didn't break anything there.

This is what I now have in version.rb:

```
<pre>
git.send(:shellout, "#{git_sq_bin} --git-dir=\"#{git_dir}\" rev-parse --short=9 HEAD") { |io| io.read }.to_s.chomp
</pre>
```

I'd push a patch but git is giving me weird errors.

2012-02-29 11:02 pm - Luke Carrier

I promise I'll actually start writing my own fixes soon...haha. Here's another patch, it's working perfectly for me on a couple of RedHat 5/6 boxes:

```
<pre>
diff --git a/lib/chili_project/version.rb b/lib/chili_project/version.rb
index 8065451..894e807 100644
--- a/lib/chili_project/version.rb
+++ b/lib/chili_project/version.rb
@@ -43,7 +43,7 @@ module ChiliProject
   git_dir = Rails.root.join('.git')

   if File.directory? git_dir
-    git.send(:shellout, "#{git_sq_bin} --git-dir='#{git_dir}' rev-parse --short=9 HEAD") { |io| io.read }.to_s.chomp
+    git.send(:shellout, "#{git_sq_bin} --git-dir=\"#{git_dir}\" rev-parse --short=9 HEAD") { |io| io.read }.to_s.chomp
   end
 end
end
</pre>
```

2012-02-29 11:43 pm - Felix Schäfer

- *Status changed from Open to Closed*

As this shouldn't change anything on unixes and has been confirmed by Dies to work on Windows, committed in commit:4b5271f, thanks to you both!

Luke: I don't care much whose problems you tackle, even going through the "low-hanging" issues and confirming/consolidating fixes is a huge help, thanks :-)

2012-03-01 03:45 am - Toshi MARUYAMA

- Status changed from Closed to Open

This commit cannot work on Linux path with double-quote.

```
<pre>
$ pwd
/REDMINE/WORK-DIR-NO-RAID/git-workdir/chili"project
$ LC_ALL=C ruby script/server -e test -p 7000
=> Booting WEBrick
=> Rails 2.3.14 application starting on http://0.0.0.0:7000
NOTE: Gem.source_index is deprecated, use Specification. It will be removed on or after 2011-11-01.
Gem.source_index called from /home/moriya/.rvm/gems/ruby-1.8.7-p357/gems/rails-2.3.14/lib/rails/gem_dependency.rb:21.
sh: -c: line 0: unexpected EOF while looking for matching `"'
sh: -c: line 1: syntax error: unexpected end of file
=> Call with -d to detach
=> Ctrl-C to shutdown server
[2012-03-01 12:43:33] INFO WEBrick 1.3.1
[2012-03-01 12:43:33] INFO ruby 1.8.7 (2011-12-28) [i686-linux]
[2012-03-01 12:43:33] INFO WEBrick::HTTPServer#start: pid=7262 port=7000
</pre>
```

2012-03-01 07:55 am - Felix Schäfer

Toshi MARUYAMA wrote:

> This commit cannot work on Linux path with double-quote.

Indeed, but it wouldn't have worked with a single-quote in the path before that either :-)

Thanks for noticing and reporting, I'll see about that before the next release.

2012-03-01 09:05 pm - Luke Carrier

Perhaps something like this instead?

```
<pre>
diff --git a/lib/chili_project/version.rb b/lib/chili_project/version.rb
index 8065451..894e807 100644
--- a/lib/chili_project/version.rb
+++ b/lib/chili_project/version.rb
@@ -43,7 +43,7 @@ module ChiliProject
   git_dir = Rails.root.join('.git')

   if File.directory? git_dir
-    git.send(:shellout, "#{git.sq_bin} --git-dir=#{git_dir}' rev-parse --short=9 HEAD") { |io| io.read }.to_s.chomp
+    git.send(:shellout, "#{git.sq_bin} --git-dir=\"#{git_dir.gsub(/[']/, '\\\\\"')}\" rev-parse --short=9 HEAD") { |io| io.read }.to_s.chomp
   end
 end
 end
end
</pre>
```

2012-03-01 11:40 pm - Felix Schäfer

- Category deleted (Testing)

Luke Carrier wrote:

> Perhaps something like this instead?

Like this yes, exactly that probably won't work as (if memory serves) you'd be calling `@gsub@` on a `@Pathname@`, `@Pathname#gsub@` is a private method though.

I think the best approach is to just use the `@shell_quote@` method available from the SCM adapters, i.e. `@git.shell_quote "string"@` in this case.

2012-03-01 11:50 pm - Felix Schäfer

OK, this works on OS X with `@"@` and `@'@` in the path, Dies (or anyone else), could you try this patch (against current master) on windows?

```
<pre><code class="diff">diff --git a/lib/chili_project/version.rb b/lib/chili_project/version.rb
index 894e807..2afb5a4 100644
--- a/lib/chili_project/version.rb
+++ b/lib/chili_project/version.rb
@@ -43,7 +43,7 @@ module ChiliProject
   git_dir = Rails.root.join('.git')

   if File.directory? git_dir
-     git.send(:shellout, "#{git_sq_bin} --git-dir=#{git_dir}" rev-parse --short=9 HEAD") { |io| io.read }.to_s.chomp
+     git.send(:shellout, "#{git_sq_bin} --git-dir=#{git.shell_quote git_dir.to_s} rev-parse --short=9 HEAD") { |io| io.read }.to_s.chomp
   end
 end
end</code></pre>
```

2012-03-05 05:41 am - Dies Koper

I have applied the patch to today's master and reran the tests on Windows 7 in a directory name with spaces. All tests passed.

2012-03-05 05:23 pm - Felix Schäfer

- Assignee deleted (*Felix Schäfer*)

- Status changed from *Open* to *Closed*

Dies, thanks for testing, committed in commit:ef5dddf.