Redmine - Defect #6054

Error 500 on filenames with whitespace in git reposities

2010-08-06 11:20 - Georg Lukas

Status:	Closed	**Start date:**	2010-08-06
Priority:	Normal	**Due date:**	
Assignee:	Eric Davis	**% Done:**	100%
Category:	SCM	**Estimated time:**	0.00 hour
Target version:	1.0.2		
Resolution:	Fixed	**Affected version:**	

Description

Getting a directory listing from GIT crashes Redmine with an internal server error when a file has whitespace in its name:

```
NoMethodError (private method `split' called for nil:NilClass):
    /lib/redmine/scm/adapters/git_adapter.rb:93:in `lastrev'
    /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:92:in `lastrev'
    /lib/redmine/scm/adapters/git_adapter.rb:77:in `entries'
    /lib/redmine/scm/adapters/git_adapter.rb:65:in `each_line'
    /lib/redmine/scm/adapters/git_adapter.rb:65:in `entries'
    ....
```

This is caused by inadequate quoting of path names in GitAdapter.lastrev(), which affects at least 0.8.4, but seems unfixed in 1.0rc and trunk as well. A patch fixing this issue is attached.

Associated revisions

Revision 4188 - 2010-09-26 21:07 - Eric Davis

Support spaces in the files or directories in the git adapter. #6054

Contributed by Felix Schäfer

History

#1 - 2010-08-06 12:03 - Felix Schäfer

Can't reproduce on trunk, see here http://orga.fachschaften.org/projects/sandbox-git/repository

What git version do you have installed?

#2 - 2010-08-10 17:04 - Georg Lukas

Sorry Felix, your link requires a login so I can't test. Do you have filenames with whitespace or repository path/name with whitespace? My problem only occured with the former.

I'm running Debian stable with:

```
$ git --version
git version 1.5.6.5
```

#3 - 2010-08-10 20:29 - Felix Schäfer

Sorry, I thought it was public (which it should have been), it is public now.

I have a file whitespace filename.txt in the repo, git version string is git version 1.7.1.

#4 - 2010-08-11 13:41 - Georg Lukas

Ah, now I see that it does not crash Redmine any more. However it does not display the revision and change information for that file. If you add another file without whitespace, I am pretty sure you will see its revision, author etc. columns. Could you please try to do so and compare the output with/without my patch?

The version of git on the other hand should not matter - it is solely an issue with file name quoting.

#5 - 2010-08-11 18:15 - Felix Schäfer

- Affected version (unused) changed from 0.8.4 to devel

- Affected version deleted (0.8.4)

Ah, I now see what you mean and can confirm the bug on trunk.

Could you see if other places in the git adapter are concerned and maybe even write a test for that? Thanks!

#6 - 2010-08-11 18:40 - Georg Lukas

From a quick glance the path quoting problem seems to affect GitAdapter.revisions() as well. Other subtle but bad things will probably happen in GitAdapter.entries() and GitAdapter.revisions() when file names *start* with whitespace.

The adapter might also freak out badly if the repository directory contains spaces in its path - I see no quoting at all for target(").

Regarding the test, I fear I can not help you much - I have exactly zero coding experience in Ruby.

#7 - 2010-09-19 18:46 - Felix Schäfer

- Target version set to 1.0.2

This commit fixes the missing shell_quote s in the git_adapter:
http://github.com/thegcat/redmine/commit/5d5c60d5d4d09aca61239f269fa8904328d9952e The tests in this commit will only work with the fixes in #6346.

jb grenot: could you commit both to trunk? Thanks.

#8 - 2010-09-26 21:06 - Eric Davis

- Status changed from New to Resolved

- Assignee set to Eric Davis

- % Done changed from 0 to 100

- Resolution set to Fixed

Committed in r4188. I found another issue if the file has leading or trailing whitespace, Felix said he will try to work on a fix (#6499).

#9 - 2010-09-27 00:21 - Eric Davis

- Status changed from Resolved to Closed

Merged into 1.0-stable

Files

redmine-allow-filenames-with-spaces-on-git.patch	983 Bytes	2010-08-06	Georg Lukas