

## Redmine - Defect #4494

### Mercurial access not working in jruby

2009-12-28 07:18 - Drazen Baic

<b>Status:</b>	Closed	<b>Start date:</b>	2009-12-28
<b>Priority:</b>	Normal	<b>Due date:</b>	
<b>Assignee:</b>		<b>% Done:</b>	0%
<b>Category:</b>	SCM	<b>Estimated time:</b>	0.00 hour
<b>Target version:</b>		<b>Affected version:</b>	
<b>Resolution:</b>			

#### Description

When I try to access a mercurial repository with Redmine running under jruby I get the following error message:

```
Processing RepositoriesController#show (for 192.168.1.20 at 2009-12-28 01:03:07) [GET]
Parameters: {"controller"=>"repositories", "action"=>"show", "id"=>"test"}
SQL (1.0ms) SELECT max(settings.updated_on) AS max_updated_on FROM settings
User Load (0.0ms) SELECT * FROM users WHERE (users.id = 1) AND (users.status = 1) AND ( (users.type = 'User' OR
users.type = 'AnonymousUser' ) )
Project Load (0.0ms) SELECT * FROM projects WHERE (projects.identifier = 'test') LIMIT 1
Repository Load (0.0ms) SELECT * FROM repositories WHERE (repositories.project_id = 1) LIMIT 1
Shelling out: hg -R '/repos/test/' root
EnabledModule Load (1.0ms) SELECT * FROM enabled_modules WHERE (enabled_modules.project_id = 1)
Setting Load (0.0ms) SELECT * FROM settings WHERE (settings.name = 'autofetch_changesets') LIMIT 1
Shelling out: hg -R '/repos/test/' root
Shelling out: hg -R '/repos/test/' --cwd '/repos/test/' locate -r tip
```

```
TypeError (can't convert nil into String):
app/models/repository/mercurial.rb:39:in `entries'
app/models/repository/mercurial.rb:35:in `each'
app/models/repository/mercurial.rb:35:in `entries'
app/controllers/repositories_controller.rb:72:in `show'
/opt/jruby/lib/ruby/1.8/webrick/httpserver.rb:104:in `service'
/opt/jruby/lib/ruby/1.8/webrick/httpserver.rb:65:in `run'
/opt/jruby/lib/ruby/1.8/webrick/server.rb:173:in `start_thread'
/opt/jruby/lib/ruby/1.8/webrick/server.rb:162:in `start'
/opt/jruby/lib/ruby/1.8/webrick/server.rb:162:in `start_thread'
/opt/jruby/lib/ruby/1.8/webrick/server.rb:95:in `start'
/opt/jruby/lib/ruby/1.8/webrick/server.rb:92:in `each'
/opt/jruby/lib/ruby/1.8/webrick/server.rb:92:in `start'
/opt/jruby/lib/ruby/1.8/webrick/server.rb:23:in `start'
/opt/jruby/lib/ruby/1.8/webrick/server.rb:82:in `start'
```

Rendering /root/src/redmine/public/500.html (500 Internal Server Error)

it works without problems when running under ruby mri:

```
Processing RepositoriesController#show (for 192.168.1.20 at 2009-12-28 01:37:18) [GET]
Parameters: {"action"=>"show", "id"=>"test", "controller"=>"repositories"}
SQL (0.3ms) SELECT max("settings".updated_on) AS max_updated_on FROM "settings"
User Load (0.7ms) SELECT * FROM "users" WHERE ("users"."id" = 1) AND (users.status = 1) AND ( ("users"."type" =
```

```
'User' OR "users"."type" = 'AnonymousUser' ) )
Project Load (0.6ms) SELECT * FROM "projects" WHERE ("projects"."identifier" = 'test') LIMIT 1
Repository Load (0.4ms) SELECT * FROM "repositories" WHERE ("repositories".project_id = 1) LIMIT 1
Shelling out: hg -R '/repos/test/' root
Shelling out: hg --debug --encoding utf8 -R '/repos/test/' log -C --style
'/root/src/redmine/lib/redmine/scm/adapters/mercurial/hg-template-1.0.tpl' --limit 1
Repository::Mercurial Update (0.6ms) UPDATE "repositories" SET "root_url" = '/repos/test' WHERE "id" = 6
EnabledModule Load (1.1ms) SELECT * FROM "enabled_modules" WHERE ("enabled_modules".project_id = 1)
Setting Load (0.4ms) SELECT * FROM "settings" WHERE ("settings"."name" = 'autofetch_changesets') LIMIT 1
Shelling out: hg -R '/repos/test/' root
Shelling out: hg --debug --encoding utf8 -R '/repos/test/' log -C --style
'/root/src/redmine/lib/redmine/scm/adapters/mercurial/hg-template-1.0.tpl' --limit 1
Changeset Load (0.6ms) SELECT * FROM "changesets" WHERE ("changesets".repository_id = 6) ORDER BY
changesets.committed_on DESC, changesets.id DESC LIMIT 1
Fetching changesets for repository /repos/test
Shelling out: hg --debug --encoding utf8 -R '/repos/test/' log -C --style
'/root/src/redmine/lib/redmine/scm/adapters/mercurial/hg-template-1.0.tpl' -r 0:4
Changeset Load (0.4ms) SELECT "changesets".id FROM "changesets" WHERE ("changesets"."revision" = " AND
"changesets".repository_id = 6) LIMIT 1
```

It seems that Shelling out: hg -R '/repos/test/' root doesn't work correctly as under ruby mri the next command is Shelling out: hg --debug --encoding utf8 -R '/repos/test/' log -C --style but under jruby it is Shelling out: hg -R '/repos/test/' --cwd '/repos/test/' locate -r tip

When I try to access the repository under jruby after it worked under ruby mri I can see the repository and new files added to it but I don't see any new revisions.

Here is the environment for jruby:

```
# gem environment
RubyGems Environment:
- RUBYGEMS VERSION: 1.3.5
- RUBY VERSION: 1.8.7 (2009-11-02 patchlevel 174) [java]
- INSTALLATION DIRECTORY: /opt/jruby-1.4.0/lib/ruby/gems/1.8
- RUBY EXECUTABLE: /opt/jruby/bin/jruby
- EXECUTABLE DIRECTORY: /opt/jruby/bin
- RUBYGEMS PLATFORMS:
  - ruby
  - universal-java-1.6
- GEM PATHS:
  - /opt/jruby-1.4.0/lib/ruby/gems/1.8
- GEM CONFIGURATION:
  - :update_sources => true
  - :verbose => true
  - :benchmark => false
  - :backtrace => false
  - :bulk_threshold => 1000
  - "install" => "--env-shebang"
  - "update" => "--env-shebang"
- REMOTE SOURCES:
  - http://gems.rubyforge.org/
```

and the environment under ruby mri

```
# gem1.8 environment
RubyGems Environment:
- RUBYGEMS VERSION: 1.3.5
- RUBY VERSION: 1.8.7 (2009-06-12 patchlevel 174) [i486-linux]
- INSTALLATION DIRECTORY: /var/lib/gems/1.8
- RUBY EXECUTABLE: /usr/bin/ruby1.8
- EXECUTABLE DIRECTORY: /var/lib/gems/1.8/bin
- RUBYGEMS PLATFORMS:
  - ruby
  - x86-linux
- GEM PATHS:
  - /var/lib/gems/1.8
  - /root/.gem/ruby/1.8
- GEM CONFIGURATION:
  - :update_sources => true
  - :verbose => true
  - :benchmark => false
  - :backtrace => false
  - :bulk_threshold => 1000
- REMOTE SOURCES:
  - http://gems.rubyforge.org/
```

The Redmine revision I'm currently using is r3255.

I tried to use subversion and bazaar and both worked without problems under jruby

#### Related issues:

Related to Redmine - Patch # 5404: Fix Redmine tests for JRuby 1.4.x and 1.5.0	<b>Closed</b>	<b>2010-04-29</b>
Related to Redmine - Defect # 8510: JRuby: Can't open administrator panel if...	<b>Closed</b>	<b>2011-06-03</b>

#### Associated revisions

##### Revision 3722 - 2010-05-01 11:55 - Jean-Philippe Lang

Fixes Mercurial adapter for JRuby (#4494, #5404).

##### Revision 4743 - 2011-01-22 16:38 - Toshi MARUYAMA

scm: darcs: change io.gets to io.read and add darcs version unit (#4494, #5404).

#### History

##### #1 - 2010-01-02 10:55 - Drazen Baic

- Status changed from New to Resolved

This seems to be caused by a bug in jruby1.4 (see <http://jira.codehaus.org/browse/JRUBY-3819>) returning a wrong exit status after calling IO.popen.

This bug will be fixed in jruby1.5.

In lines 67-70 in the script lib/redmine/scm/adapters/mercurial\_adapter.rb

```
shellout(cmd) do |io|
  root_url = io.gets
end
return nil if $? && $?.exitstatus != 0
```

returns the value nil due to this bug.

## #2 - 2010-04-20 10:43 - Gregor Schmidt

Unfortunately, although JRUBY-3819 is solved in JRuby 1.5.0.RC1, the Mercurial/JRuby/Redmine incompatibility is not resolved. I am still seeing wrong exit codes when running the whole test suite under JRuby 1.5. I do not see them, when running the tests in isolation, though.

## #3 - 2010-04-20 12:02 - Gregor Schmidt

- File *fix\_4494\_mercurial\_on\_jruby.diff* added

The attached diff would fix the issue

## #4 - 2010-07-09 20:58 - Felix Schäfer

Gregor, can you confirm if this still is a problem or not?

## #5 - 2011-06-03 13:34 - Toshi MARUYAMA

- Status changed from *Resolved* to *Closed*

In trunk r5997, unit adapter test, unit model test, functional test pass.

```
$ jruby --version
jruby 1.6.2 (ruby-1.8.7-p330) (2011-05-23 e2ea975) (OpenJDK 64-Bit Server VM 1.6.0_18) [linux-amd64-java]
```

## Files

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fix_4494_mercurial_on_jruby.diff	627 Bytes	2010-04-20	Gregor Schmidt
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