

Redmine - Defect #1126

Unable to display Bazaar repository

2008-04-28 15:16 - Andreas Deininger

Status:	Closed	Start date:	2008-04-28
Priority:	Normal	Due date:	
Assignee:		% Done:	0%
Category:	SCM	Estimated time:	0.00 hour
Target version:		Affected version:	
Resolution:			
Description			
<p>Hi,</p> <p>I couldn't succeed in setup a Bazaar repository for one of my projects, the URL http://www.mydomain.eu/projects/show/www yields an internal error.</p> <p>According to http://www.redmine.org/wiki/1/RedmineRepositories I ran</p> <pre>PS D:\> ruby D:\my\path\redmine\script\runner "Repository.fetch_changesets" -e production C:/Programme/ruby/lib/ruby/gems/1.8/gems/rails-2.0.2/lib/commands/runner.rb:47: D:/Websites/redmine/lib/redmine/scm/adapters/abstract_adapter.rb: 125:in `popen': Exec format error - bzip2: revno "D:\FTP-Sites\xxx\yyy\zzz\BZR-Repo\stiegele.eu/" (Errno::ENOEXEC) from D:/Websites/redmine/lib/redmine/scm/adapters/abstract_adapter.rb:125:in `shellout' from D:/Websites/redmine/lib/redmine/scm/adapters/bazaar_adapter.rb:32:in `info' from D:/Websites/redmine/lib/redmine/scm/adapters/abstract_adapter.rb:108:in `retrieve_root_url' from D:/Websites/redmine/lib/redmine/scm/adapters/abstract_adapter.rb:31:in `initialize' from D:/Websites/redmine/app/models/repository.rb:34:in `new' from D:/Websites/redmine/app/models/repository.rb:34:in `scm' from D:/Websites/redmine/app/models/repository/bazaar.rb:51:in `fetch_changesets' from C:/Programme/ruby/lib/ruby/gems/1.8/gems/activesupport-2.0.2/lib/active_support/core_ext/symbol.rb:11:in `__send__' from C:/Programme/ruby/lib/ruby/gems/1.8/gems/activesupport-2.0.2/lib/active_support/core_ext/symbol.rb:11:in `to_proc' from D:/Websites/redmine/app/models/repository.rb:79:in `each' from D:/Websites/redmine/app/models/repository.rb:79:in `fetch_changesets' from (eval):1 from C:/Programme/ruby/lib/ruby/site_ruby/1.8/rubygems/custom_require.rb:27:in `eval' from C:/Programme/ruby/lib/ruby/gems/1.8/gems/rails-2.0.2/lib/commands/runner.rb:47 from C:/Programme/ruby/lib/ruby/site_ruby/1.8/rubygems/custom_require.rb:27:in `gem_original_require' from C:/Programme/ruby/lib/ruby/site_ruby/1.8/rubygems/custom_require.rb:27:in `require' from D:/Websites/redmine/script/runner:3</pre> <p>However, using bazaar, I can retrieve the revision number successfully:</p> <pre>PS D:\Websites\redmine> bzip2 revno "D:\FTP-Sites\xxx\yyy\zzz\BZR-Repo\stiegele.eu/" 23</pre> <p>My Redmine instance is SVN revision 1369.</p> <pre>PS D:\Websites\redmine> bzip2 version Bazaar (bzip2) 1.3.1 Python interpreter: C:\Programme\Python25\python.exe 2.5.2.final.0 Python standard library: C:\Programme\Python25\lib bzrlib: C:\Programme\Python25\lib\site-packages\bzrlib</pre> <p>As database backend, I'm using PostgreSQL 8.3.1.</p>			
Related issues:			
Related to Redmine - Defect #3743: Mercurial repository path on windows....		Closed	2009-08-15

History

#1 - 2008-04-28 16:48 - Jean-Philippe Lang

- Target version deleted (0.7)

When you run script\runner, make sure that bzd.exe is in your PATH environment variable.

Although it should not be needed, you can try to specify the full path to the binary in lib/redmine/scm/adapters/bazaar_adapter.rb, line 26.

Example:

```
BZR_BIN = "C:\\path\\to\\bzd.exe"
```

#2 - 2008-04-28 17:16 - Andreas Deininger

After specifying the full path for BZR_BIN, now I can run the script\runner successfully (bzd.bat was on the PATH already before).

However, after invoking <http://my.domain.tld/repositories/show/www>, I'm still getting an internal error:

```
Errno::ENOEXEC (Exec format error - bzd revno "D:/FTP-Sites/Stiegele/LocalUser/SdsFtpUser/BZR-Repo/stiegele.eu/"):
/lib/redmine/scm/adapters/abstract_adapter.rb:125:in `popen'
/lib/redmine/scm/adapters/abstract_adapter.rb:125:in `shellout'
/lib/redmine/scm/adapters/bazaar_adapter.rb:32:in `info'
/lib/redmine/scm/adapters/abstract_adapter.rb:108:in `retrieve_root_url'
/lib/redmine/scm/adapters/abstract_adapter.rb:31:in `initialize'
/app/models/repository.rb:34:in `new'
/app/models/repository.rb:34:in `scm'
/app/models/repository/bazaar.rb:51:in `fetch_changesets'
C:/Programme/ruby/lib/ruby/gems/1.8/gems/activerecord-2.0.2/lib/active_record/associations/association_proxy.rb:125:in `send'
C:/Programme/ruby/lib/ruby/gems/1.8/gems/activerecord-2.0.2/lib/active_record/associations/association_proxy.rb:125:in `method_missing'
/app/controllers/repositories_controller.rb:53:in `show'
C:/Programme/ruby/lib/ruby/gems/1.8/gems/actionpack-2.0.2/lib/action_controller/base.rb:1158:in `send'
C:/Programme/ruby/lib/ruby/gems/1.8/gems/actionpack-2.0.2/lib/action_controller/base.rb:1158:in `perform_action_without_filters'
C:/Programme/ruby/lib/ruby/gems/1.8/gems/actionpack-2.0.2/lib/action_controller/filters.rb:697:in `call_filters'
C:/Programme/ruby/lib/ruby/gems/1.8/gems/actionpack-2.0.2/lib/action_controller/filters.rb:689:in `perform_action_without_benchmark'
C:/Programme/ruby/lib/ruby/gems/1.8/gems/actionpack-2.0.2/lib/action_controller/benchmarking.rb:68:in `perform_action_without_rescue'
C:/Programme/ruby/lib/ruby/1.8/benchmark.rb:293:in `measure'
C:/Programme/ruby/lib/ruby/gems/1.8/gems/actionpack-2.0.2/lib/action_controller/benchmarking.rb:68:in `perform_action_without_rescue'
C:/Programme/ruby/lib/ruby/gems/1.8/gems/actionpack-2.0.2/lib/action_controller/rescue.rb:199:in `perform_action_without_caching'
C:/Programme/ruby/lib/ruby/gems/1.8/gems/actionpack-2.0.2/lib/action_controller/caching.rb:678:in `perform_action'
C:/Programme/ruby/lib/ruby/gems/1.8/gems/activerecord-2.0.2/lib/active_record/connection_adapters/abstract/query_cache.rb:33:in `cache'
C:/Programme/ruby/lib/ruby/gems/1.8/gems/activerecord-2.0.2/lib/active_record/query_cache.rb:8:in `cache'
C:/Programme/ruby/lib/ruby/gems/1.8/gems/actionpack-2.0.2/lib/action_controller/caching.rb:677:in `perform_action'
C:/Programme/ruby/lib/ruby/gems/1.8/gems/actionpack-2.0.2/lib/action_controller/base.rb:524:in `send'
C:/Programme/ruby/lib/ruby/gems/1.8/gems/actionpack-2.0.2/lib/action_controller/base.rb:524:in `process_without_filters'
C:/Programme/ruby/lib/ruby/gems/1.8/gems/actionpack-2.0.2/lib/action_controller/filters.rb:685:in `process_without_session_management_support'
C:/Programme/ruby/lib/ruby/gems/1.8/gems/actionpack-2.0.2/lib/action_controller/session_management.rb:123:in `process'
C:/Programme/ruby/lib/ruby/gems/1.8/gems/actionpack-2.0.2/lib/action_controller/base.rb:388:in `process'
C:/Programme/ruby/lib/ruby/gems/1.8/gems/actionpack-2.0.2/lib/action_controller/dispatcher.rb:171:in `handle_request'
C:/Programme/ruby/lib/ruby/gems/1.8/gems/actionpack-2.0.2/lib/action_controller/dispatcher.rb:115:in `dispatch'
C:/Programme/ruby/lib/ruby/gems/1.8/gems/actionpack-2.0.2/lib/action_controller/dispatcher.rb:126:in `dispatch CGI'
C:/Programme/ruby/lib/ruby/gems/1.8/gems/actionpack-2.0.2/lib/action_controller/dispatcher.rb:9:in `dispatch'
C:/Programme/ruby/lib/ruby/gems/1.8/gems/mongrel-1.1.4-x86-mswin32-60/bin/./lib/mongrel/rails.rb:76:in `process'
C:/Programme/ruby/lib/ruby/gems/1.8/gems/mongrel-1.1.4-x86-mswin32-60/bin/./lib/mongrel/rails.rb:74:in `synchronize'
C:/Programme/ruby/lib/ruby/gems/1.8/gems/mongrel-1.1.4-x86-mswin32-60/bin/./lib/mongrel/rails.rb:74:in `process'
C:/Programme/ruby/lib/ruby/gems/1.8/gems/mongrel-1.1.4-x86-mswin32-60/bin/./lib/mongrel.rb:159:in `process_client'
C:/Programme/ruby/lib/ruby/gems/1.8/gems/mongrel-1.1.4-x86-mswin32-60/bin/./lib/mongrel.rb:158:in `each'
C:/Programme/ruby/lib/ruby/gems/1.8/gems/mongrel-1.1.4-x86-mswin32-60/bin/./lib/mongrel.rb:158:in `process_client'
C:/Programme/ruby/lib/ruby/gems/1.8/gems/mongrel-1.1.4-x86-mswin32-60/bin/./lib/mongrel.rb:285:in `run'
C:/Programme/ruby/lib/ruby/gems/1.8/gems/mongrel-1.1.4-x86-mswin32-60/bin/./lib/mongrel.rb:285:in `initialize'
C:/Programme/ruby/lib/ruby/gems/1.8/gems/mongrel-1.1.4-x86-mswin32-60/bin/./lib/mongrel.rb:285:in `new'
C:/Programme/ruby/lib/ruby/gems/1.8/gems/mongrel-1.1.4-x86-mswin32-60/bin/./lib/mongrel.rb:285:in `run'
C:/Programme/ruby/lib/ruby/gems/1.8/gems/mongrel-1.1.4-x86-mswin32-60/bin/./lib/mongrel.rb:268:in `initialize'
C:/Programme/ruby/lib/ruby/gems/1.8/gems/mongrel-1.1.4-x86-mswin32-60/bin/./lib/mongrel.rb:268:in `new'
C:/Programme/ruby/lib/ruby/gems/1.8/gems/mongrel-1.1.4-x86-mswin32-60/bin/./lib/mongrel.rb:268:in `run'
C:/Programme/ruby/lib/ruby/gems/1.8/gems/mongrel-1.1.4-x86-mswin32-60/bin/./lib/mongrel/configurator.rb:282:in `run'
C:/Programme/ruby/lib/ruby/gems/1.8/gems/mongrel-1.1.4-x86-mswin32-60/bin/./lib/mongrel/configurator.rb:281:in `each'
C:/Programme/ruby/lib/ruby/gems/1.8/gems/mongrel-1.1.4-x86-mswin32-60/bin/./lib/mongrel/configurator.rb:281:in `run'
C:/Programme/ruby/lib/ruby/gems/1.8/gems/mongrel-1.1.4-x86-mswin32-60/bin/mongrel_rails:128:in `run'
C:/Programme/ruby/lib/ruby/gems/1.8/gems/mongrel-1.1.4-x86-mswin32-60/bin/./lib/mongrel/command.rb:212:in `run'
C:/Programme/ruby/lib/ruby/gems/1.8/gems/mongrel-1.1.4-x86-mswin32-60/bin/mongrel_rails:281
C:/Programme/ruby/bin/mongrel_rails:19:in `load'
C:/Programme/ruby/bin/mongrel_rails:19
```

Rendering D:/Websites/redmine/public/500.html (500 Internal Server Error)

#3 - 2008-04-29 13:58 - Jean-Philippe Lang

It looks like you didn't restart the application after the change ?

#4 - 2008-04-29 15:49 - Andreas Deininger

Yes, a restart cured the issue raised in comment [#2](#).

I dugged into the initial issue and found out that the command "bzd" does not work on Windows machines, you have to provide "bzd.bat" as command instead:

```
D:\>ruby -e 'IO.popen("bzd")'
-e:1:in `popen': Exec format error - bzd (Errno::ENOEXEC)
from -e:1
```

```
D:\>ruby -e 'IO.popen("bzd.bat")'
```

```
D:\>
```

So it's not the path that is required but the file extension .bat

#5 - 2008-04-29 16:12 - Jean-Philippe Lang

Thanks for the feedback.

bzd works for me on Win32. And I don't have bzd.bat with bazaar 1.3.1

#6 - 2008-05-05 01:58 - Charles L

This is, I believe, related to the parsing that ruby does of the command line strings. If it doesn't see any redirections etc, it saves on using the shell to launch the process, and instead does its own PATH search, and then exec.

Apparently its not appropriately doing that PATH search, probably not taking into account PATHEXT. This can be seen in an irb session:

```
# straight forward command line - ruby will exec itself, but not find the file.
>> IO.popen('gem list')
Errno::ENOEXEC: Exec format error - gem list
    from (irb):4:in `popen'
    from (irb):4
    from :0
# using explicit extension - ruby will exec itself, and find the batch file
>> IO.popen('gem.bat list')
=> #<IO:0x28da854>
# with a redirection - ruby offloads to the shell, which will find gem.bat
>> IO.popen('gem list > x')
=> #<IO:0x28d7a78>
# note that when using the shell, non-existent files don't raise Errno::ENOEXEC,
# instead the cmd.exe has a whinge...
?> IO.popen('nonexistent list > x')
=> #<IO:0x28d09bc>
>> 'nonexistent' is not recognized as an internal or external command,
operable program or batch file.
```

Basically the solution then is either

1. Use an explicit extension - bzd.bat
2. Actually get the shell to execute it, by either using some shell features like redirection, or explicitly using something like cmd /c

Unfortunately either of those options means that windows will need to be special cased (as the command would no longer run on linux).

#7 - 2011-02-04 05:39 - Toshi MARUYAMA

- Status changed from New to Closed

Svn trunk [r4795](#) adds a feature of configurable path of executable for scm adapters ([#7517](#)).

<http://launchpad.net/bzd/2.2/2.2.3/+download/bzd-2.2.3-setup.exe> has bzd.exe.