Redmine - Patch #5404

Fix Redmine tests for JRuby 1.4.x and 1.5.0

2010-04-29 20:20 - Gregor Schmidt

Status:	Closed		**Start date:**	2010-04-29
Priority:	Normal		**Due date:**	
Assignee:			**% Done:**	0%
Category:	Ruby support		**Estimated time:**	0.00 hour
Target version:				

Description

The attached patch will fix all test failures and error for JRuby 1.4.x and the current JRuby 1.5.1.RC1 and RC2. Compatibility with Ruby 1.8.7 is preserved.

The patches are apply to r3695 (trunk) and r3662 (0.9-stable).

Please also have a look at the git branches at

- http://github.com/finnlabs/redmine/tree/jruby
- http://github.com/finnlabs/redmine/tree/jruby_0.9-stable

Related issues:

Related to Redmine - Defect #632: Theme discovery doesn't work under JRuby on...	**Closed**	**2008-02-12**
Related to Redmine - Defect #4494: Mercurial access not working in jruby	**Closed**	**2009-12-28**
Related to Redmine - Defect #8510: JRuby: Can't open administrator panel if ...	**Closed**	**2011-06-03**

Associated revisions

Revision 3708 - 2010-04-30 14:18 - Jean-Philippe Lang

Fixes time report with JRuby (#5404).

Revision 3709 - 2010-04-30 14:19 - Jean-Philippe Lang

Fixes workflow edit with JRuby (#5404).

Revision 3710 - 2010-04-30 14:44 - Jean-Philippe Lang

Fixes theme discovery under JRuby on Rails war structure (#632, #5404).

Revision 3718 - 2010-04-30 19:50 - Jean-Philippe Lang

Fixes some textile issues with JRuby (#5404).

Revision 3721 - 2010-05-01 11:37 - Jean-Philippe Lang

Adds jdbc rake tasks (#5404).

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

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

Revision 3723 - 2010-05-01 11:56 - Jean-Philippe Lang

Fixes Bazaar adapter for JRuby/Win32 (#5404).

Revision 4624 - 2011-01-03 11:45 - Toshi MARUYAMA

repository: git: change io.gets to io.readlines (#5404, #5096).

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

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

Revision 6230 - 2011-07-10 23:47 - Toshi MARUYAMA

scm: catch all exceptions at adapter shellout() to fork scm command (#8510, #6713, #4725, #5404).

If scm command does not exist,
Linux JRuby 1.6.2 (ruby-1.8.7-p330) raises java.io.IOException in production environment.

History

#1 - 2010-04-29 20:21 - Gregor Schmidt

- File 5404_fix_redmine_on_jruby_stable.diff added

- File 5404_fix_redmine_on_jruby_trunk.diff added

#2 - 2010-04-29 20:22 - Gregor Schmidt

this should also fix [#4494](#) and [#632](#)

#3 - 2010-04-29 20:25 - Eric Davis

Anyone with experience with jruby want to test these? It would be nice to fully support jruby in Redmine 1.0.

#4 - 2010-04-30 12:18 - Jean-Philippe Lang

I have made a few tests with JRuby1.4.0 / Win32 with Mysql and SQLite3. I'm still getting a bunch of failures with Mysql. It's much better with Sqlite3 (after fixing a few errors in [r3700](#) and [r3701](#)). What's your testing platform? Also, it looks like Bazaar tests all failed.

Your patch includes a few patches to JDBC postgres and sqlite3 adapters. Where do this patches come from? I'd really like that the adapters get fixed rather than including these patches in the Redmine code.

```
>java -version
java version "1.6.0_17"
Java(TM) SE Runtime Environment (build 1.6.0_17-b04)
Java HotSpot(TM) Client VM (build 14.3-b01, mixed mode, sharing)

>jruby -v
jruby 1.4.0 (ruby 1.8.7 patchlevel 174) (2009-11-02 69fbfa3) (Java HotSpot(TM) Client VM 1.6.0_17) [x86-java]
```

#5 - 2010-04-30 14:25 - Gregor Schmidt

Thank you for having a look at the patch.

I was testing on Mac OS X using the JVM shipped with 10.5.

```
$ ruby -v
jruby 1.4.1 (ruby 1.8.7 patchlevel 174) (2010-04-26 ea6db6a) (Java HotSpot(TM) Server VM 1.5.0_22) [i386-java]

$ ruby -v
jruby 1.5.0.RC2 (ruby 1.8.7 patchlevel 249) (2010-04-28 7c245f3) (Java HotSpot(TM) Server VM 1.5.0_22) [i386-j
ava]

$ java -version
java version "1.5.0_22"
Java(TM) 2 Runtime Environment, Standard Edition (build 1.5.0_22-b03-333-9M3125)
```

I forgot to mention, that the SQLite test do not work on my machine either. It seems, that activerecord-jdcbsqlite3-adapter and jdbc-sqlite3 are way behind the sqlite3-ruby gem. Both show very different behaviour on my machine. MySQL (5.1.45) and PostgreSQL (8.3.4) on the other hand work without problems.

Concerning the patches to activerecord-jdbc*-adapter

The patch to the Postgres adapter is filed as [Bug on AR-JDBC-104](#) and I wrote a mail to the jruby list. Unfortunately, I did not get any feedback.

I'm not sure about the Patches to the SQLite3 adapter. I wrote another mail to the JRuby Mailing list, concerning my problems, I had with SQLite and also added a simple test case. Unfortunately I did not get any feedback here, either.

Therefore, I've added the patches into a single file, such that we are able to keep an eye on them. I totally get your argument about getting the adapters fixed instead of fixing them in redmine, but I wanted to get the test running and a working Redmine. I will keep bullying the AR-JDBC guys to get their libraries fixed.

Repository Adapters

Sorry, I was a bit hastily. I've only tested file system, mercurial, subversion and git. I simply forgot the others. I could have a look at bazaar, cvs and darcs, if you like.

#6 - 2010-04-30 14:59 - Jean-Philippe Lang

The patch to Engines to make use of Rails.public_path does not seem to have any effect when deploying a WAR.

When Engines gets loaded, Rails.public_path points to WEB-INF/public and thus assets are mirrored to WEB-INF/public. After the application started Rails.public_path points to the root of the webapp but it's too late... I really don't know how to fix it.

#7 - 2010-04-30 15:32 - Gregor Schmidt

Jean-Philippe Lang wrote:

> The patch to Engines to make use of Rails.public_path does not seem to have any effect when deploying a WAR.
>
> When Engines gets loaded, Rails.public_path points to WEB-INF/public and thus assets are mirrored to WEB-INF/public. After the application started Rails.public_path points to the root of the webapp but it's too late... I really don't know how to fix it.

You are totally right. When I fixed the theme loading mechanism, I grepped for other occurances of RAILS_ROOT + '/public' and replaced them with Rails.public_path with further testing. But after the change, its a bug in JRuby-Rack. Beforehand it was one in Redmine. Therefore the change has a certain value, somehow.

I will try to debug the issue in the context of JRuby-Rack and give feedback, once I have made some progress on that.

#8 - 2010-04-30 15:37 - Jean-Philippe Lang

The only way I found to fix it is the following patch:

```
Index: config/environment.rb
===================================================================
--- config/environment.rb    (revision 3701)
+++ config/environment.rb    (working copy)
@@ -13,6 +13,11 @@
 # Load Engine plugin if available
 begin
   require File.join(File.dirname(__FILE__), '../vendor/plugins/engines/boot')
+  module Engines
+    def self.public_directory
+      File.join(Rails.public_path, 'plugin_assets')
+    end
+  end
 rescue LoadError
   # Not available
 end
```

It works because Rails.public_path is properly set when assets get actually mirrored.

#9 - 2010-04-30 16:32 - Gregor Schmidt

Your fix works for me, but I still think, that this would be a bug in JRuby-Rack, which is responsible for setting the correct public_path.

Currently it's no problem for me, that it does not work correctly, since the plugin assets are already copied when 'environment' is loaded during my warbling.

#10 - 2010-04-30 19:14 - Jean-Philippe Lang

Gregor Schmidt wrote:

> Currently it's no problem for me, that it does not work correctly, since the plugin assets are already copied when 'environment' is loaded during my warbling.

I wasn't aware of that. Then I think we can live without this patch.

#11 - 2010-05-01 12:20 - Jean-Philippe Lang

Mercurial and Bazaar adapters are now fixed for JRuby.

r3724 passes all tests with JRuby 1.5.0 RC2 and MySQL for me. But it looks like something still goes wrong at finn.de:
http://ci.finn.de/builds/jruby_redmine-trunk_mysql/3724

#12 - 2010-05-01 13:56 - Jean-Philippe Lang

With your jruby_compat initializer:

- PostgreSQL: all tests pass
- SQLite3: the patches almost fix it, but there's still a failure (leaving the due date field empty when creating an issue leads to *"Due date must be greater than start date"*)

#13 - 2010-05-03 11:54 - Gregor Schmidt

Concerning the failures on ci.finn.de. rake db:schema:dump produces a faulty db/schema.rb. All tests pass, when using config.active_record.schema_format = :sql. I will try to build a simple failing test case for AR-JDBC, as I think it is *their fault*.

Concerning the jruby_compat initializer. As long as they are not fixed in AR-JDBC itself, are you willing to provide these patches in Redmine itself or should be publish them via plugin for everybody interested?

#14 - 2010-05-03 11:55 - Gregor Schmidt

Furthermore I would like to thank you for your fast feedback and integration of the patches.

#15 - 2010-05-04 22:38 - Gregor Schmidt

The db:schema:dump bug is now known as [ACTIVERECORD_JDBC-112](). Let's that this will be fixed soon.

#16 - 2010-06-23 10:35 - Babar O'Cap

- File git_adapter.rb.diff added

I've a bug with JRuby 1.5.1 in Git repositories on Windows.

Redmine::Scm::Adapters::GitAdapter#last_rev [source:trunk/lib/redmine/scm/adapters/git_adapter.rb#L87]() doesn't work properly.

Here a patch to fix this issue.

NB: I didn't test on an other platform.

#17 - 2010-12-21 10:19 - Toshi MARUYAMA

Babar O'Cap wrote:

> I've a bug with JRuby 1.5.1 in Git repositories on Windows.
>
> Redmine::Scm::Adapters::GitAdapter#last_rev [source:trunk/lib/redmine/scm/adapters/git_adapter.rb#L87]() doesn't work properly.
>
> Here a patch to fix this issue.

It seems io.gets() problem of git adapter.
I posted [git-io-gets.diff]() to fix it at [note-11]() of [#5096]().

#18 - 2011-03-23 09:29 - Toshi MARUYAMA

- Category set to Ruby support

#19 - 2012-08-09 23:16 - Jean-Philippe Lang

- Status changed from New to Closed

Closing it, the test suite is running fine with JRuby 1.6.7 now.

Files

5404_fix_redmine_on_jruby_stable.diff	8.39 KB	2010-04-29	Gregor Schmidt
5404_fix_redmine_on_jruby_trunk.diff	8.54 KB	2010-04-29	Gregor Schmidt
git_adapter.rb.diff	397 Bytes	2010-06-23	Babar O'Cap