With attached patches redmine passes all tests with Rails 2.3.4 and Ruby 1.9.1. I'm trying to package redmine for ALT Linux distro, these patches are not distribution specific.

I have packaged and installed following modules (never tried to patch vendored versions):

- ruby-coderay ([http://svn.rubychan.de/coderay](http://svn.rubychan.de/coderay))
- rails-plugin-engines ([http://github.com/lazyatom/engines](http://github.com/lazyatom/engines))
- rails-plugin-rpdf ([http://github.com/edwinmoss/rpdf](http://github.com/edwinmoss/rpdf))

Excerption from redmine spec just for reference:

```
rm -rf vendor/plugins/coderay*/
rm -rf vendor/plugins/engines/
rm -rf vendor/plugins/rpdf/
# these locales fail test_load(DefaultDataTest)
rm -f config/locales/hu.yml
rm -f config/locales/zh.yml
rm -f config/locales/zh-TW.yml

cat <<EOF >config/database.yml
production:
  adapter: sqlite3
  database: db/production.db

development:
  adapter: sqlite3
  database: db/development.db

test:
  adapter: sqlite3
  database: db/test.db

EOF
rake --trace config/initializers/session_store.rb
rake --trace db:migrate
rake --trace test:scm:setup:create_dir
rake --trace test:scm:setup:filesystem
rake --trace test:scm:setup:git
rake --trace test:scm:setup:subversion
rake --trace test:units
rake --trace test:functionals
rake --trace test:integration
```
**Related issues:**

<table>
<thead>
<tr>
<th>Issue</th>
<th>Related to</th>
<th>Close Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>#2664</td>
<td>Redmine</td>
<td>2009-02-04</td>
</tr>
<tr>
<td>#6853</td>
<td>Mercurial: Repository path encoding of non...</td>
<td>2010-11-08</td>
</tr>
<tr>
<td>#8209</td>
<td>Ruby 1.9: YAMl files not parsable with psyche ...</td>
<td>2011-04-22</td>
</tr>
<tr>
<td>#8847</td>
<td>Ruby 1.9 YAMl files not parsable with psyche y...</td>
<td>2011-07-19</td>
</tr>
<tr>
<td>#9798</td>
<td>Release 1.3.0 does not detect rubyt...</td>
<td>Closed</td>
</tr>
<tr>
<td>#10046</td>
<td>Update installation doc on release</td>
<td>Closed</td>
</tr>
<tr>
<td>#7096</td>
<td>CSV Issues Export + Ruby 1.9 + Thin + non...</td>
<td>2010-12-11</td>
</tr>
<tr>
<td>#10575</td>
<td>Uploading of attachments which filename ...</td>
<td>Closed</td>
</tr>
<tr>
<td>#10593</td>
<td>Error: Incompatible character encodings...</td>
<td>Closed</td>
</tr>
<tr>
<td>#8600</td>
<td>Encoding::CompatibilityError in Welcome...</td>
<td>Closed</td>
</tr>
<tr>
<td>#8600</td>
<td>Duplicate by Redmine: Defect # 8600: Encodi...</td>
<td>Closed</td>
</tr>
<tr>
<td>#7096</td>
<td>Duplicate by Redmine: Feature # 10051: Ruby ...</td>
<td>Closed</td>
</tr>
<tr>
<td>#6725</td>
<td>Acronyms don't work for Russian language</td>
<td>New</td>
</tr>
<tr>
<td>#4869</td>
<td>Redmine doesn't support ruby 1.9's radio b...</td>
<td>Closed</td>
</tr>
<tr>
<td>#6551</td>
<td>Highlighting in search results is case sensiti...</td>
<td>Closed</td>
</tr>
<tr>
<td>#4824</td>
<td>Unable to connect (can't convert Net::LD...</td>
<td>Closed</td>
</tr>
<tr>
<td>#9730</td>
<td>Redmine leaks memory over 1G, YAM...</td>
<td>Confirmed</td>
</tr>
<tr>
<td>#10134</td>
<td>Case insensitive search is not working with ...</td>
<td>Confirmed</td>
</tr>
</tbody>
</table>

**Associated revisions**

Revision 4359 - 2010-11-02 01:20 - Jean-Baptiste Barth

Use `File#expand_path` for require's in script/* for Ruby 1.9.2 compatibility. #4050

Since Ruby 1.9.2, `LOAD_PATH` does not include `"."` directory anymore, so we should use absolute paths instead to ensure both 1.8.x and 1.9.x compatibility. It has been included in railsites 2.3.x branch since july 2009, see [http://github.com/rails/rails/commit/7a427a83ca4da92c70760007aaf313638a5d8374](http://github.com/rails/rails/commit/7a427a83ca4da92c70760007aaf313638a5d8374)

Revision 4509 - 2010-12-13 00:24 - Jean-Baptiste Barth

Use absolute paths in test/**/* requires for Ruby 1.9.2 compatibility. #4050

Revision 4510 - 2010-12-13 00:24 - Jean-Baptiste Barth

Set encoding to utf-8 for ruby 1.9 compatibility. #4050

Revision 5000 - 2011-03-04 12:07 - Toshi MARUYAMA

scm: mercurial: add path encoding tests in functional test (#2664, #4050).

TODO: This test fails in Ruby 1.9 and Encoding.default_external is not UTF-8.

Revision 6461 - 2011-08-19 11:41 - Toshi MARUYAMA

Ruby 1.9: set Encoding.default_external = 'UTF-8' (#4050).

Without this setting, Redmine cannot boot on Japanese Windows
nor on non UTF-8 locale Linux (e.g. LANG=en_US.ISO-8859-1).

Revision 6462 - 2011-08-19 12:18 - Toshi MARUYAMA
Ruby 1.9: force use syck yaml library (#8847, #4050).

Revision 6647 - 2011-08-27 02:11 - Toshi MARUYAMA
Ruby 1.9: add rake task to check parsing yaml by psych library (#8847, #4050).
Original code is written by Etienne Massip.

Revision 6649 - 2011-08-27 02:18 - Toshi MARUYAMA
Ruby 1.9: fix typo of rake task name to check parsing yaml by psych library (#8847, #4050).

Revision 7927 - 2011-11-26 00:15 - Toshi MARUYAMA
Ruby 1.9: fix encoding error on wiki diffs (#4050)
WikiDiff#to_html returns a string with ASCII encoding if
the WikiJournal content has been Zlib compressed because
Zlib::Inflate.inflate returns strings with ASCII encoding.
Forcing the encoding to be UTF8 fixes this bug.
Contributed by Moritz Breit.

Revision 7928 - 2011-11-26 02:39 - Toshi MARUYAMA
Ruby 1.9: fix TabularFormBuilder to show "translation missing: en, field_lock_version" (#6853, #4050)
Contributed by Moritz Breit.

Revision 8713 - 2012-01-28 05:57 - Toshi MARUYAMA
Ruby1.9: set Encoding.default_external on only Rails2 (#4050, #4796)

Revision 8714 - 2012-01-28 05:58 - Toshi MARUYAMA
Ruby1.9: enforce UTF-8 encodings on the params hash on Rails2 (#4050, #4796)
Without this change, non ASCII subject issue cannot be created on Ruby 1.9.

Revision 8716 - 2012-01-28 11:26 - Toshi MARUYAMA
Ruby 1.9: skip enforcing UTF-8 encodings on the params hash on Rails2 if it is frozen (#4050, #4796)

Tests on CI server fail.
http://www.redmine.org/builds/build_trunk-1.9.2-sqlite3_257.html

1) Error:
   test_index_with_short_filters(IssuesControllerTest):
   RuntimeError: can't modify frozen string
   /var/lib/hudson/jobs/trunk-1.9.2-sqlite3/workspace/app/controllers/application_controller.rb:58:in `force_encoding'
   /var/lib/hudson/jobs/trunk-1.9.2-sqlite3/workspace/app/controllers/application_controller.rb:58:in `utf8nize!'
   /var/lib/hudson/jobs/trunk-1.9.2-sqlite3/workspace/app/controllers/application_controller.rb:60:in `block in utf8nize!'  
   /var/lib/hudson/jobs/trunk-1.9.2-sqlite3/workspace/app/controllers/application_controller.rb:60:in `each'
   /var/lib/hudson/jobs/trunk-1.9.2-sqlite3/workspace/app/controllers/application_controller.rb:60:in `utf8nize!'
   /var/lib/hudson/jobs/trunk-1.9.2-sqlite3/workspace/app/controllers/application_controller.rb:52:in `params_filter'
   /var/lib/hudson/ruby1.9.2/lib/ruby/gems/1.9.1/gems/activesupport-2.3.14/lib/active_support/callbacks.rb:178:in `evaluate_method'
   /var/lib/hudson/ruby1.9.2/lib/ruby/gems/1.9.1/gems/activesupport-2.3.14/lib/active_support/callbacks.rb:166:in `call'
   /var/lib/hudson/ruby1.9.2/lib/ruby/gems/1.9.1/gems/actionpack-2.3.14/lib/action_controller/filters.rb:225:in `call'
   /var/lib/hudson/ruby1.9.2/lib/ruby/gems/1.9.1/gems/actionpack-2.3.14/lib/action_controller/filters.rb:629:in `run_before_filters'
   /var/lib/hudson/ruby1.9.2/lib/ruby/gems/1.9.1/gems/actionpack-2.3.14/lib/action_controller/filters.rb:615:in `call_filters'
   /var/lib/hudson/ruby1.9.2/lib/ruby/gems/1.9.1/gems/actionpack-2.3.14/lib/action_controller/benchmarking.rb:68:in `block in perform_action_with_filters'
   /var/lib/hudson/ruby1.9.2/lib/ruby/gems/1.9.1/gems/active_support-2.3.14/lib/active_support/core_ext/benchmark.rb:17:in `block in ms'

Revision 8833 - 2012-02-10 14:08 - Toshi MARUYAMA

Ruby 1.9: move setting Encoding.default_external after boot (#4050, #4796)

"ruby test/functional/repositories_git_controller_test.rb" fails
on Japanese Windows and Mingw Ruby 1.9.3p0
because "Rails" is not defined.

History
#1 - 2009-10-18 12:52 - Alexey Froloff
- File 0011-Process-fixture-as-binary.patch added

#2 - 2009-10-18 12:53 - Alexey Froloff

Forgot to mention. All patches made against yesterday's trunk.

#3 - 2010-07-19 22:37 - Holger Just
- Category set to Ruby support

#4 - 2010-08-25 14:33 - Etienne Massip

That would be great as ruby 1.9.2 is out now and is meant to be the first 1.9 release ready for production use.
This could improve greatly the speed and usability of Redmine.

4/8
$ git diff --stat tags/1.0.0..master -- app/ config/ lib/ test/ vendor/ | tail -n 1
60 files changed, 264 insertions(+), 220 deletions(-)

Works perfect with 1.9.1p376. Since there's no reaction on my patches, I don't see any reason for me to submit anything again.

#6 - 2010-08-25 16:02 - Jean-Baptiste Barth

Alexey, please don't take it that way, be sure that such contributions are very appreciated.

There were no reaction to your patch for various reasons. Mainly because we are very few contributors around to review thousands of pending issues. Plus, if I remember correctly, 1.9.1 has always been said to be not really ready for production (I remember articles about weird cases, segfaults, etc.).

But now with 1.9.2 released, the situation is very different. I'd personnaly like 1.1 to be fully compatible with ruby 1.9, and maybe we'll begin to support more recent rails versions.

I'll have a look at your patches and integrate them one by one as soon as I come back from my holidays in september. Thank you again.

#7 - 2010-08-25 16:43 - Alexey Froloff

This issue is already obsolete. In http://git.altlinux.org/people/raorn/packages/?p=redmine.git I have working redmine 1.0.0 (upstream sources were imported with git-svn) with bunch of fixes related to 1.9.1 incompatibilities, encoding issues, rails 2.3.8 anti-XSS false-positive escapes as well as several really nasty bugs.

I am packaging redmine for ALT Linux distro, we have ruby 1.9.1 as the only ruby version in repository. I am doing this just for fun, although there are several users who runs this version in their "production".

I can comment on any my commit, but submitting issues without any feedback in months don't worth the effort. Nothing personal.

#8 - 2010-08-25 16:53 - Etienne Massip

This issue can't be obsolete, you just brought a considerable help to Redmine's development for which we, users, are very thankful.

BTW, it looks like someone else did the same to get early Rails 3 support (issue #4796) : http://github.com/jeremy/redmine

#9 - 2010-08-25 21:01 - Jean-Baptiste Barth

Alexey Froloff wrote:

> This issue is already obsolete. In http://git.altlinux.org/people/raorn/packages/?p=redmine.git I have working redmine 1.0.0 (upstream sources were imported with git-svn) with bunch of fixes related to 1.9.1 incompatibilities, encoding issues, rails 2.3.8 anti-XSS false-positive escapes as well as several really nasty bugs.

OK thanks, I mirrored this repo on my laptop so that I can hack a bit on it.

#10 - 2010-09-12 02:54 - David Morton
I'm very interested in this too, as I just spent a week or two getting an application ready for rails 3, and then I discovered that passenger needs to run the same ruby version for all apps on the server - and so to run redmine on the testing server along with the application, I need both to run in 1.9.2. :(

Alexsey: you said 1.0.0, how is it tracking with 1.0.1?

#11 - 2011-03-04 06:24 - Toshi MARUYAMA
- File Ruby-1.9-Encoding.default_external.diff added

After Redmine updated Rails 2.3.11, I can't run on my Japanese Windows nor Linux Latin-1 locale on Ruby 1.9.

```bash
$ ruby --version
ruby 1.9.2p136 (2010-12-25 revision 30365) [x86_64-linux]

$ locale
LANG=en_US.ISO-8859-1
LC_CTYPE="en_US.ISO-8859-1"
LC_NUMERIC="en_US.ISO-8859-1"
LC_TIME="en_US.ISO-8859-1"
LC_COLLATE="en_US.ISO-8859-1"
LC_MONETARY="en_US.ISO-8859-1"
LC_MESSAGES="en_US.ISO-8859-1"
LC_PAPER="en_US.ISO-8859-1"
LC_NAME="en_US.ISO-8859-1"
LC_ADDRESS="en_US.ISO-8859-1"
LC_TELEPHONE="en_US.ISO-8859-1"
LC_MEASUREMENT="en_US.ISO-8859-1"
LC_IDENTIFICATION="en_US.ISO-8859-1"
LC_ALL=
```

ActionView::TemplateError (incompatible character encodings: UTF-8 and ISO-8859-1) on line #62 of app/views/layouts/base.rhtml:

```ruby
59:
60: <div id="content">
61: <%= render_flash_messages %>
62: <%= yield %>
63: <%= call_hook :view_layouts_base_content %>
64: <div style="clear:both;"></div>
65: </div>

app/views/layouts/base.rhtml:62:in `concat'
app/views/layouts/base.rhtml:62:in `_run_rhtml_app47views47layouts47base46rhtml'
<internal:prelude>:10:in `synchronize'
/home/xxxxx/.rvm/rubies/ruby-1.9.2-p136/lib/ruby/1.9.1/webrick/httpserver.rb:111:in `service'
/home/xxxxx/.rvm/rubies/ruby-1.9.2-p136/lib/ruby/1.9.1/webrick/httpserver.rb:70:in `run'
/home/xxxxx/.rvm/rubies/ruby-1.9.2-p136/lib/ruby/1.9.1/webrick/server.rb:183:in `block in start_thread'

Rendered rescues/_trace (228.3ms)
Rendered rescues/_request_and_response (2.0ms)
Rendering rescues/layout (internal_server_error)
I apply this patch, then I can run Redmine.

#12 - 2011-04-22 14:33 - Etienne Massip
- Target version set to Candidate for next major release

#13 - 2011-04-28 13:59 - Toshi MARUYAMA
- File application_controller.diff added

This is additional patch.
Without this patch, I can not input non ASCII characters.

#14 - 2011-06-14 04:41 - Toshi MARUYAMA
- Tracker changed from Patch to Feature

#15 - 2011-08-24 23:51 - Toshi MARUYAMA
FYI:
- https://www.chiliproject.org/issues/591

#16 - 2011-10-30 12:46 - Toshi MARUYAMA
- File application_controller_chili_21a45b4e.diff added

This is an updating note-13 patch from https://www.chiliproject.org/issues/676

#17 - 2011-12-10 21:19 - Etienne Massip
- Target version changed from Candidate for next major release to 1.4.0

#18 - 2012-01-28 12:15 - Jean-Philippe Lang

r8714 breaks tests with ruby 1.9. I'd really like that this fix comes with a test so that we can safely remove it in the future.

#19 - 2012-02-01 16:22 - Toshi MARUYAMA

Japanese attachment filename is broken on Japanese Windows Ruby 1.9
https://www.chiliproject.org/issues/856

#20 - 2012-03-11 09:56 - Jean-Philippe Lang
- Status changed from New to Closed
- Resolution set to Fixed

I'm closing it as the test suite passes with both 1.9.2 and 1.9.3 (1.9.1 is not supported by Rails):
http://www.redmine.org/builds/index.html

Separate issues should be open if incompatibilities are found.
Please, add to related issue #10593

### Files

<table>
<thead>
<tr>
<th>Patch Name</th>
<th>Size</th>
<th>Date</th>
<th>Author</th>
</tr>
</thead>
<tbody>
<tr>
<td>0006-Fix-weird-characters.patch</td>
<td>1.32 KB</td>
<td>2009-10-18</td>
<td>Alexey Froloff</td>
</tr>
<tr>
<td>0007-Missing-users_groups-fixture.patch</td>
<td>1.13 KB</td>
<td>2009-10-18</td>
<td>Alexey Froloff</td>
</tr>
<tr>
<td>0008-Quotes-should-not-be-escaped.patch</td>
<td>1.21 KB</td>
<td>2009-10-18</td>
<td>Alexey Froloff</td>
</tr>
<tr>
<td>0001-New-CSV-API.patch</td>
<td>2.11 KB</td>
<td>2009-10-18</td>
<td>Alexey Froloff</td>
</tr>
<tr>
<td>0002-Round-up-Rational-value.patch</td>
<td>1.29 KB</td>
<td>2009-10-18</td>
<td>Alexey Froloff</td>
</tr>
<tr>
<td>0003-Object-methods-returns-Array-of-Symbols.patch</td>
<td>1.53 KB</td>
<td>2009-10-18</td>
<td>Alexey Froloff</td>
</tr>
<tr>
<td>0004-Fix-Regexp.patch</td>
<td>904 Bytes</td>
<td>2009-10-18</td>
<td>Alexey Froloff</td>
</tr>
<tr>
<td>0010-20000-days-is-less-than-55-years.patch</td>
<td>1.46 KB</td>
<td>2009-10-18</td>
<td>Alexey Froloff</td>
</tr>
<tr>
<td>0005-Do-not-require-non-existant-modules.patch</td>
<td>936 Bytes</td>
<td>2009-10-18</td>
<td>Alexey Froloff</td>
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<tr>
<td>0011-Process-fixtures-as-binary.patch</td>
<td>1.14 KB</td>
<td>2009-10-18</td>
<td>Alexey Froloff</td>
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<td>Ruby-1.9-Encoding.default_external.diff</td>
<td>595 Bytes</td>
<td>2011-03-04</td>
<td>Toshi MARUYAMA</td>
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<td>application_controller.diff</td>
<td>1.11 KB</td>
<td>2011-04-28</td>
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