Redmine - Feature #5638

Use Bundler (Gemfile) for gem management

2010-06-02 23:39 - Alexey Palazhchenko

Status:	Closed		**Start date:**	2010-06-02
Priority:	Normal		**Due date:**	
Assignee:	Jean-Philippe Lang		**% Done:**	80%
Category:	Gems support		**Estimated time:**	0.00 hour
Target version:	1.4.0			
Resolution:	Fixed			

Description

Recently I faced two problems with Redmine:

1. Some of my projects use 'test-unit' gem version 2.0.x. It's (sadly) not fully compatible with test-unit from Ruby distribution (1.x). Running tests against Redmine trunk raises "uninitialized constant Test::Unit::TestResult::TestResultFailureSupport (NameError)". That's annoying to uninstall and install this gem again.
2. Many tests fails or puts warnings like "DEPRECATION WARNING: using %d in messages is deprecated; use {{count}} instead.. (called from interpolate at /Users/AlekSi/.rvm/gems/ree-1.8.7-2010.01/gems/activerecord-2.3.5/lib/active_record/i18n_interpolation_deprecation.rb:17)". This is due to new i18n library (0.4.0) loaded instead of version bundled with Rails 2.3.5.

Both problems was solved with Bundler. Check Gemfile in attached patch – it's simple and powerful.

Related issues:

Related to Redmine - Defect #6324: requires_redmine_plugin should defer loadi...	**New**	**2010-09-07**
Related to Redmine - Defect #8664: Internal Server Error when accessing speci...	**New**	**2011-06-22**
Related to Redmine - Defect #8582: RuntimeError (Your PostgreSQL connection d...	**Closed**	**2011-06-10**
Related to Redmine - Defect #4787: Gannt to PNG - CJK (Chinese, Japanese and ...	**Closed**	**2010-02-10**
Related to Redmine - Defect #7969: Redmine dosn't work with sqlite3-ruby 1.3.3	**Closed**	**2011-03-23**
Related to Redmine - Feature #9208: Simplify the installation procedure on Wi...	**Closed**	**2011-09-08**
Has duplicate Redmine - Patch #8128: Bundler support	**Closed**	**2011-04-11**

Associated revisions

Revision 6454 - 2011-08-18 03:23 - Toshi MARUYAMA

add bundler generates files to .gitignore and .hgignore (#5638).

Contributed by Gregor Schmidt.

Revision 6455 - 2011-08-18 03:23 - Toshi MARUYAMA

add Gemfile.local to .gitignore and .hgignore (#5638).

Contributed by Holger Just.

Revision 6456 - 2011-08-18 03:38 - Toshi MARUYAMA

add bundler generates files to svn:ignore (#5638).

- .bundle
- Gemfile.lock

Contributed by Gregor Schmidt.

Revision 6457 - 2011-08-18 03:40 - Toshi MARUYAMA

add Gemfile.local to svn:ignore (#5638).

Contributed by Holger Just.

Revision 8904 - 2012-02-19 15:30 - Jean-Philippe Lang

Use Bundler for gem management (#5638).

Revision 8905 - 2012-02-19 15:42 - Jean-Philippe Lang

Removed vendored gems (#5638).

Revision 8906 - 2012-02-19 15:44 - Jean-Philippe Lang

Removed faster_csv from lib (#5638).

History

#1 - 2010-06-18 08:26 - Alexey Palazhchenko

- File bundler-for-redmine-2.patch added

Second patch updates minimal bundler version, unsticks it and fixes typo in comment. Should be applied after first patch.

#2 - 2010-06-18 23:48 - Holger Just

According to real-life statements Yehuda Katz on the most recent RUG::B meeting, even he would not recommend bundler for Rails 2.3.5 projects. It will be properly supported and recommended in Rails 3.0 (with an upgrade path via 2.3.8, see #5603), but I would strongly advise on not using bundler today for Redmine. It's a pain in the ass today.

#3 - 2010-06-19 09:24 - Alexey Palazhchenko

Holger, may you please be more specific? Why do you against bundler today? Does this patch broke something for you? What the pain?

As for me this patch fixed practical problems, simplified plugins installation process and didn't broke anything.

#4 - 2010-06-19 13:57 - Konstantin Haase

The main issue is that Bundler + additional Rails/Redmine plugins don't play well at all, as you will be back to manual dependency resolution. Though it does indeed fix the i18n issue. Note that moving to Rails 2.3.8 would, too. I myself simply use another RVM gemset for Redmine development.

Note that RVM and Bundler interfere for some people, which was a concern raised in the Redmine IRC channel (or so I was told0. This is mainly caused by both meddling with the GEM_HOME and GEM_PATH environment variables. Although some people seem to still have issues with using both Bundler and RVM simultaneously, I did not run into any related issues since Bundler 0.9, since both projects are now written in a manner so that they are aware of each other.

#5 - 2010-06-19 14:07 - Alexey Palazhchenko

Yeah, there were problems with RVM and bundler, but there are no now. RVM gemsets are more buggy (at least for me), and I definitely don't want to use RVM on production server, where I happened to have two different Rails apps. Bundler is a rescue for me.

Proposed patch loads Gemfiles from plugins, if there are any. Redmine developers may stick with specific gem version for patch releases, and upgrade gems with minor and major releases. I believe this will make plugins developers (like me) life easier.

#6 - 2010-06-19 14:43 - Eric Davis

- Priority changed from High to Normal

Since Bundler is still pre 1.0 and the Bundler team has make it clear that they have the right to make breaking changes at any time, using Bundler for Redmine is not an option yet. After Bundler reaches 1.0 and has stabilized, we can look into using it with Redmine (along with Rails 3).

#7 - 2010-06-19 15:00 - Konstantin Haase

Though in that case switching to Bundler on trunk would be an option, as the 1.0 release will probably be done earlier than Redmine's.

#8 - 2010-06-19 15:24 - Eric Davis

Konstantin Haase wrote:

> Though in that case switching to Bundler on trunk would be an option, as the 1.0 release will probably be done earlier than Redmine's.

Redmine's 1.0 RC will be in two weeks. We have already stopped feature development and are fixing the last set of bugs. I think Redmine 1.1 will be released this winter and there's a good chance it will be able to support Rails 3 and Bundler.

#9 - 2010-06-19 15:28 - Konstantin Haase

Eric Davis wrote:

> Konstantin Haase wrote:
>
> > Though in that case switching to Bundler on trunk would be an option, as the 1.0 release will probably be done earlier than Redmine's.

Redmine's 1.0 RC will be in two weeks. We have already stopped feature development and are fixing the last set of bugs. I think Redmine 1.1 will be released this winter and there's a good chance it will be able to support Rails 3 and Bundler.

Oh. Ok, my bad.

#10 - 2010-06-19 16:38 - Alexey Palazhchenko

Per discussion in IRC: target version is 1.1.

#11 - 2010-06-19 18:11 - Wayne E. Seguin

'RVM gemsets are more buggy'

This should most definitely not be the case in the latest RVM. All known bugs related to gemset usage have been fixed. I have worked closely with the Bundler team to ensure that RVM gemsets and Bundler 0.9.26+ work very well together.

'I definitely don't want to use RVM on production server'

I find this statement amusing since RVM was developed for the purpose of production servers.

```
~Wayne
```

#12 - 2011-02-21 04:28 - Jean-Baptiste Barth

Bundler is now 1.0 and stable, and doesn't use .bundle/ directory anymore, so it might be use-able even with rails 2.3.5 I think. It would be far better than actual manual installs, rake gems:install, and hacks on i18n... Please let us know if anybody has an objection.

#13 - 2011-03-23 08:57 - Toshi MARUYAMA

- Category set to Gems support

#14 - 2011-05-23 11:52 - Etienne Massip

Patch updated (includes 'pg' as rails db adapter).

#15 - 2011-05-23 11:53 - Etienne Massip

- File redmine_with_bundler_1.0.patch.zip added

#16 - 2011-05-27 16:54 - Etienne Massip

- Target version set to Candidate for next major release

#17 - 2011-05-28 14:47 - Terence Mill

related to chili#290

#18 - 2011-06-13 16:03 - Toshi MARUYAMA

- File redmine_with_bundler_1.0.001.patch added

This is additional patch for redmine_with_bundler_1.0.patch.zip from https://www.chiliproject.org/issues/290

I pushed my bitbucket mercurial repository.
https://bitbucket.org/marutosi/redmine-bundler

```
$ hg clone -U https://bitbucket.org/marutosi/redmine-bundler
$ cd redmine-bundler
$ hg update -r tip
$ LANG=C hg parent
changeset:   4970:5a35cd650de1
branch:      redmine-bundler
tag:         tip
user:        XXXXXXXXXXXXXXX
date:        Fri May 13 09:17:29 2011 -0700
summary:     [#290] Only print the plugin Gemfile messages when $DEBUG is set
```

You can download sources, too.

- https://bitbucket.org/marutosi/redmine-bundler/get/tip.zip
- https://bitbucket.org/marutosi/redmine-bundler/get/tip.tar.gz
- https://bitbucket.org/marutosi/redmine-bundler/get/tip.tar.bz2

#19 - 2011-06-13 23:34 - Etienne Massip

I've also seen a FR talking about externalizing ruby-ldap.

#20 - 2011-06-14 05:46 - Toshi MARUYAMA

I pushed my github repository branch.
https://github.com/marutosi/redmine/commits/redmine-bundler

```
$ git log -n1 | cat
commit 311610f795f4e134940509dcdb463bed9d3210de
Author: XXXXXXXXXX
Date:   Fri May 13 09:17:29 2011 -0700

    [#290] Only print the plugin Gemfile messages when $DEBUG is set

    --HG--
    branch : redmine-bundler-hg-git
```

#21 - 2011-06-20 12:06 - Toshi MARUYAMA

- File redmine-bundler-20110618.diff added

- File remove-vendored-gems.20110618.diff.gz added

I updated patches and pushed my repositories.
These patches are full patches for r6097.

- https://bitbucket.org/marutosi/redmine-bundler-bb-20110618
  - https://bitbucket.org/marutosi/redmine-bundler-bb-20110618/changeset/6f8c3d3fcfd4
- https://github.com/marutosi/redmine/tree/redmine-bundler-20110618
  - https://github.com/marutosi/redmine/commit/1f23c26beebae24406dc47b81005ea6d14cbd263

#22 - 2011-06-21 19:19 - Jiron Bach

I have an error message when I start my local application like below: /usr/local/lib/ruby/gems/1.9.1/gems/railties-3.0.6/lib/rails/plugin.rb:22:in `inherited': You cannot inherit from Rails::Plugin (RuntimeError). It looks like this message is related to the engine. I asked RubyML about this, it says "there might be a risk that the primary function of 'plugin' which properly works in 2.3 would not be operational in 3.0 engine. In short, I believe the regression occurs in 3.0 in this part. Thus, it is a trend to wait until 3.1 which has the perfect engine function is released". How do you treat this engine? Do you wait until 3.1 release? I do not know how to compile, so need to have your advise on this.

#23 - 2011-07-09 16:41 - Toshi MARUYAMA

I give up to install on Mingw Ruby 1.8.6.

```
$ ruby --version
ruby 1.8.6 (2010-02-04 patchlevel 398) [i386-mingw32]

$ bundle install
Fetching source index for http://rubygems.org/
Fetching source index for http://rubygems.org/
Fetching source index for http://rubygems.org/
Installing rake (0.9.2)
Using activesupport (2.3.11)
Installing rack (1.1.2)
Using actionpack (2.3.11)
Using actionmailer (2.3.11)
Using activerecord (2.3.11)
Using activeresource (2.3.11)
Using bundler (1.0.15)
Installing coderay (0.9.8)
Using edavis10-object_daddy (0.4.3)
Installing hoe (2.10.0) r:/Ruby186/lib/ruby/site_ruby/1.8/rubygems/installer.rb:
170:in `install': hoe requires RubyGems version >= 1.4. Try 'gem update --system' to update RubyGems itself. (
Gem::InstallError)
        from r:/Ruby186/lib/ruby/gems/1.8/gems/bundler-1.0.15/lib/bundler/source.rb:101:in `install'
        from r:/Ruby186/lib/ruby/gems/1.8/gems/bundler-1.0.15/lib/bundler/rubygems_integration.rb:78:in `prese
rve_paths'
        from r:/Ruby186/lib/ruby/gems/1.8/gems/bundler-1.0.15/lib/bundler/source.rb:91:in `install'
        from r:/Ruby186/lib/ruby/gems/1.8/gems/bundler-1.0.15/lib/bundler/installer.rb:58:in `run'
        from r:/Ruby186/lib/ruby/gems/1.8/gems/bundler-1.0.15/lib/bundler/rubygems_integration.rb:93:in `with_
build_args'
        from r:/Ruby186/lib/ruby/gems/1.8/gems/bundler-1.0.15/lib/bundler/installer.rb:57:in `run'
        from r:/Ruby186/lib/ruby/gems/1.8/gems/bundler-1.0.15/lib/bundler/spec_set.rb:12:in `each'
        from r:/Ruby186/lib/ruby/gems/1.8/gems/bundler-1.0.15/lib/bundler/spec_set.rb:12:in `each'
```

```
        ... 7 levels...
        from r:/Ruby186/lib/ruby/gems/1.8/gems/bundler-1.0.15/lib/bundler/vendor/thor/base.rb:389:in `start'
        from r:/Ruby186/lib/ruby/gems/1.8/gems/bundler-1.0.15/bin/bundle:13
        from r:/Ruby186/bin/bundle:19:in `load'
        from r:/Ruby186/bin/bundle:19
```

```
$ gem update --system
Updating RubyGems
Updating rubygems-update
ERROR:  Error installing rubygems-update:
        rubygems-update requires Ruby version >= 1.8.7.
ERROR:  While executing gem ... (NoMethodError)
    undefined method `version' for nil:NilClass
```

#24 - 2011-07-09 17:20 - Toshi MARUYAMA

- File redmine-bundler-20110618.mingw.diff added

This is an additional patch for mingw to redmine-bundler-20110618.diff

I don't install rmagick on Windows, so I need to run "bundle install --without=rmagick".
I can boot Redmine on SQLite3.
I don't install MySQL nor PostgreSQL on Windows.

#25 - 2011-08-18 02:25 - Toshi MARUYAMA

Related link:
https://www.chiliproject.org/projects/chiliproject/wiki/Bundler

#26 - 2011-08-25 13:59 - Toshi MARUYAMA

- File bundler-full-r6631.patch added

- % Done changed from 0 to 50

I cherry-picked following revisions from ChiliProject and rebased on [r6631](r6631).

- Fix string encodings coming from sqlite3 in MRI 1.9.x
  - https://www.chiliproject.org/projects/chiliproject/repository/revisions/9c47208efa6a2460dfe26694514f9f8d943fa97b
- Read Gemfile.local for local gem inclusions.
  - https://www.chiliproject.org/projects/chiliproject/repository/revisions/a35d61bfb73174468b33ce51c1d711c93882c8c4
- Add ruby-debug as test dependency to debug failing tests
  - https://www.chiliproject.org/projects/chiliproject/repository/revisions/c63954a4c73a9cb99be133a93d6d24a4f8139e47
- Rip faster_csv out of lib into the Gemfile.
  - https://github.com/chiliproject/chiliproject/commit/9dae76d564a422fd2ef50288ec98778d3e6f56c3
  - https://github.com/chiliproject/chiliproject/commit/d8ce7564ceff32a8dbf3775efc18348c35fa2fdd
  - https://github.com/chiliproject/chiliproject/commit/0b57e936f533472249c775677e0526b2507676fb

Git:

- https://github.com/marutosi/redmine/commits/bundler-20110825
  - https://github.com/marutosi/redmine/commit/bbf9f2b31544645685f0ebbebf111addf8841fd1

Mercurial:

- https://bitbucket.org/marutosi/redmine-bundler-20110825-hg-git
  - https://bitbucket.org/marutosi/redmine-bundler-20110825-hg-git/changeset/9305712f4633

I attach the full patch for [r6631](r6631).
You need to delete vendor/gems by hand after applying this patch.

#27 - 2011-08-25 14:29 - Etienne Massip

Do you plan to merge these changes to your github rails-3.1 branch ?

#28 - 2011-08-25 14:36 - Toshi MARUYAMA

Etienne Massip wrote:

> Do you plan to merge these changes to your github rails-3.1 branch ?

Rails-3.1 branch has already these revisions excluding csv.
Renaming view files (.rhtml to .html.erb) is too hard to merge.
But, I will merge later.

#29 - 2011-10-19 12:58 - Toshi MARUYAMA

- File bundler-20111019-full-r7628.diff added

- % Done changed from 50 to 70

This is the full patch for [r7628](#).

After applying this patch, you need to delete vendor/gems and lib/faster_csv.rb.

I pushed following repositories.

Git:

- https://bitbucket.org/marutosi/redmine-bundler-20111019-git
    - https://bitbucket.org/marutosi/redmine-bundler-20111019-git/changeset/950d7b9d4613

- https://github.com/marutosi/redmine/tree/bundler-20111019
    - https://github.com/marutosi/redmine/commit/950d7b9d46132b023afaa818685c1746fc742f35

Mercurial:

- https://bitbucket.org/marutosi/redmine-bundler-20111019-hg-git
    - https://bitbucket.org/marutosi/redmine-bundler-20111019-hg-git/changeset/df59e57d584b

Changes from note 26.

- remove coderay version from Gemfile
- minor change of mingw
    - https://www.chiliproject.org/issues/617
- use rmagick on only Linux Ruby 1.8 (mri_18)
    - It is difficut to install it with bundler on Windows

#30 - 2012-01-28 14:07 - Toshi MARUYAMA

- Tracker changed from Patch to Feature

#31 - 2012-02-01 09:28 - Toshi MARUYAMA

- File bundler-r8745.diff added

- % Done changed from 70 to 80

This is a full patch for [r8745](#).

After applying this patch, you need to delete following directories and files.

- vendor/gems
- vendor/plugins/ruby-net-ldap-0.0.4
- lib/faster_csv.rb

Changes

- update Rails version
- unvendor net-ldap: https://www.chiliproject.org/issues/258
- remove ruby-debug: https://www.chiliproject.org/issues/839

I pushed following repositories.

Git:

- https://bitbucket.org/marutosi/redmine-bundler-20120201-git
    - https://bitbucket.org/marutosi/redmine-bundler-20120201-git/changeset/0039a8ec5d00
- https://github.com/marutosi/redmine/commits/bundler-20120201
    - https://github.com/marutosi/redmine/commit/0039a8ec5d00

Mercurial:

- https://bitbucket.org/marutosi/redmine-bundler-20120201-hg-git
    - https://bitbucket.org/marutosi/redmine-bundler-20120201-hg-git/changeset/3ce4405c38e9

#32 - 2012-02-03 12:55 - Toshi MARUYAMA

- File bundler-r8759.diff added

This is a full patch for [r8759](r8759).

After applying this patch, you need to delete "vendor/gems" and "lib/faster_csv.rb".

Changes:

- adapt [r8751](r8751) (net-ldap 0.2.2)
- add missing sqlite3 on Windows mingw Ruby 1.9

I pushed following repositories.

Git:

- https://bitbucket.org/marutosi/redmine-bundler-20120203-git
  - https://bitbucket.org/marutosi/redmine-bundler-20120203-git/changeset/bbc77dc1f8b4
- https://github.com/marutosi/redmine/commits/bundler-20120203
  - https://github.com/marutosi/redmine/commit/bbc77dc1f8b4016fcfa240ae66338ac51b972594

Mercurial:

- https://bitbucket.org/marutosi/redmine-bundler-20120203-hg-git
  - https://bitbucket.org/marutosi/redmine-bundler-20120203-hg-git/changeset/7316b4d7e9a0

#33 - 2012-02-13 11:08 - Toshi MARUYAMA

- File bundler-r8864.diff added

This is a full patch for [r8864](r8864).

Changes:

SQLite3 1.2 on Windows Mingw Ruby 1.8.7 have problems.
https://www.chiliproject.org/issues/864

On [r8864](r8864), following error raises in adding repository.

```
TypeError in RepositoriesController#new

can't convert String into Array

R:/redmine/app/controllers/repositories_controller.rb:39:in `&'
R:/redmine/app/controllers/repositories_controller.rb:39:in `new'
```

SQLite3 1.3 is used on both of Mingw Ruby 1.8 and Ruby 1.9.

I pushed following repositories.

Git:

- https://bitbucket.org/marutosi/redmine-bundler-20120213-git
  - https://bitbucket.org/marutosi/redmine-bundler-20120213-git/changeset/bced8cefb553
- https://github.com/marutosi/redmine/commits/bundler-20120213
  - https://github.com/marutosi/redmine/commit/bced8cefb553

Mercurial:

- https://bitbucket.org/marutosi/redmine-bundler-20120213-hg-git
  - https://bitbucket.org/marutosi/redmine-bundler-20120213-hg-git/changeset/44df1e150acb

#34 - 2012-02-19 15:53 - Jean-Philippe Lang

- Status changed from New to Closed

- Assignee set to Jean-Philippe Lang

- Target version changed from Candidate for next major release to 1.4.0

- Resolution set to Fixed

Redmine now uses Bundler.

Toshi MARUYAMA wrote:

> SQLite3 1.2 on Windows Mingw Ruby 1.8.7 have problems.
> https://www.chiliproject.org/issues/864

On [r8864](#), following error raises in adding repository.

[...]

SQLite3 1.3 is used on both of Mingw Ruby 1.8 and Ruby 1.9.

This doesn't seem to be related to SQLite3 1.3 but to the latest ruby1.8.7 release. Random failures (including the one you mention) occur with ruby-1.8.7-p358 and mysql.
See error 7 in: http://www.redmine.org/builds/build_trunk-1.8.7-mysql_1489.html
I wanted to upgrade the CI server but it's back to p249...

#35 - 2012-02-19 16:40 - Jean-Philippe Lang

Jean-Philippe Lang wrote:

Random failures (including the one you mention) occur with ruby-1.8.7-p358 and mysql.

Fixed in [r8909](#).

#36 - 2012-02-19 19:18 - Ivan Cenov

I have troubles after this issue and opened a theme in the Help forum: http://www.redmine.org/boards/2/topics/29070. I need help so as to proceed with Redmine.

Files

bundler-for-redmine.patch	120 KB	2010-06-02	Alexey Palazhchenko
bundler-for-redmine-2.patch	551 Bytes	2010-06-18	Alexey Palazhchenko
redmine_with_bundler_1.0.patch.zip	128 KB	2011-05-23	Etienne Massip
redmine_with_bundler_1.0.001.patch	6.8 KB	2011-06-13	Toshi MARUYAMA
redmine-bundler-20110618.diff	9.77 KB	2011-06-20	Toshi MARUYAMA
remove-vendored-gems.20110618.diff.gz	122 KB	2011-06-20	Toshi MARUYAMA
redmine-bundler-20110618.mingw.diff	589 Bytes	2011-07-09	Toshi MARUYAMA
bundler-full-r6631.patch	84.3 KB	2011-08-25	Toshi MARUYAMA
bundler-20111019-full-r7628.diff	14.1 KB	2011-10-19	Toshi MARUYAMA
bundler-r8745.diff	13 KB	2012-02-01	Toshi MARUYAMA
bundler-r8759.diff	13.1 KB	2012-02-03	Toshi MARUYAMA
bundler-r8864.diff	12.9 KB	2012-02-13	Toshi MARUYAMA