

ChiliProject - Feature # 601: Upgrade to Rails 3.latest

Status:	Open	Priority:	Normal
Author:	Felix Schäfer	Category:	Libraries
Created:	2011-09-01	Assignee:	
Updated:	2013-09-25	Due date:	
Remote issue URL:			
Affected version:			
Description: Now that rails 3.1 is officially out, we should (try to) upgrade to it.			

History

2011-09-01 05:00 am - Felix Schäfer

I've begun some work on this, and the I got the application to load (just in irb, not in a rack server or even in a browser):

```
<pre>chiliproject $ bundle exec irb
>> require ::File.expand_path('../config/environment', __FILE__)
=> true
>> defined? ChiliProject::Application
=> "constant"</pre>
```

I took a lot of shortcuts to get this working though, so let's say that this is 0,5% of the way ;-)

The biggest problem currently is that the autoloader finds @lib/chili_project/version.rb@ when looking for something defining a @Version@ in a @has_many :versions@ call. I haven't found a proper way to tell the @has_many@ method that we want to use @::Version@ and not just any @Version@ for that, but it doesn't seem to careâ€|. I'll see if tweaking the lazy-load order helpsâ€|

2011-09-03 05:31 pm - Felix Schäfer

Current status:

```
<pre>chiliproject $ rails c
Loading development environment (Rails 3.1.0)
>> </pre>
```

In other words: it loads ;-)

My current working branch is on "github":<https://github.com/thegcat/chiliproject/tree/rails-3.1>, I still have some work done on @named_scope@ s (replaced by @scope@ s in rails 3) I need to commit and push though, so what's on github probably won't load for the moment.

2011-09-04 07:51 pm - Felix Schäfer

Added the rest needed to get @rails console@ to work, it should work from e4e0be3 onward. Could anyone confirm this?

2011-09-04 09:08 pm - Holger Just

- Subject changed from rails 3 to Upgrade to Rails 3.1

- Tracker changed from Bug to Feature

2011-09-05 09:32 pm - Felix Schäfer

Current status: @rails s@ will show the welcome page!

OK, so that's been the fun part, all this is from testing by hand and everything, I haven't even tried running the test suite for now. As I'm not sure how well the test suite (more precisely: parts of the test framework used) upgrades to rails 3 (I think at least object_daddy hasn't officially been updated to support rails 3) and seeing that everyone's complaining about the test suite anyway, I might start porting it to rspec2 as a next step (see the discussion

in the forums about "switching to rspec2":[boards/2/topics/694](#) for more info or if you want to give an opinion before I beginâ€¢).

2011-09-07 03:44 pm - Marius Hanne

some more pages showing: <https://github.com/thegcat/chiliproject/pull/1>

2011-09-18 06:52 pm - Felix Schäfer

I've begun converting the tests to rspec2/shoulda and factory_girl, the results for the @News@ tests (model, routing, controller) can be found "on GitHub":<https://github.com/thegcat/chiliproject/tree/rails-3.1/spec> (and have already yielded bugfixesâ€¢), comments welcome.

2012-02-02 10:56 pm - John Yani

Subject should be changed to "Upgrade to Rails 3.2"

2012-02-21 11:10 pm - John Yani

There's a great progress on the same issue in redmine: <http://www.redmine.org/issues/4796>

All main features except for wiki are working fine.

Any chance of porting what Toshi has done with Redmine to Chiliproject?

2012-03-27 05:21 pm - John Yani

Any milestone for rails 3 support? Redmine 2.0 is planned to be soon after 1.4.0 release.

2012-05-06 03:56 pm - John Yani

Redmine 2.0.0 is expected to be released in two weeks. Is there any effort to merge theirs work?

2012-05-16 03:09 pm - John Yani

Redmine 2.0.0 is out. What's the status of chiliproject's Rails 3 support?

2012-05-17 06:24 pm - Felix Schäfer

John, sorry for the lack of response, we're all pretty much taken up by our other lives at the moment (mostly university and family, things should be moving smoother again after Euruko), I'll try to blog about it in not too long.

Regarding Rails 3 support: we're not there yet. If your only goal is to have project management on rails 3, well, we're not it. Yet.

Rails 3 status: nothing really new, we're still trying to figure out the best way to support and/or deprecate older stuff.

2012-08-01 11:49 am - Holger Just

- *Subject changed from Upgrade to Rails 3.1 to Upgrade to Rails 3.latest*

- *Target version set to 4.0.0*

The update to Rails 3.latest (currently 3.2.7) is the main goal of the ChiliProject version:4.0.0 release.

2012-09-03 08:58 am - Robert Mitwicki

Hi, to make a little update

I work all the time on preparing CP to work with r3.2 the progress is very slow but at least it start worked in browser.

I also keep update it with master branch to make sure that after all we will have all existing changes.

The plan is to prepare it to work with all existing functionality (in places where it will be possible of course).

It will allow everybody to migrate quite smooth to new version.

After that start implement new, better solutions.

Link to branch:

<https://github.com/mitfik/chiliproject/tree/rails3.2>

cheers

2012-09-07 07:10 pm - Qadeer Mohammed

Hi Robert,

I am new to redmine/chiliproject and currently learning a bit of ruby & rails. I have configured a local instance of chiliproject my machine using your version of the code <https://github.com/mitfik/chiliproject/tree/rails3.2>, but when i try to migrate the database, it fails at the point where permissions are being created.

```
<pre>
-- create_table("users", {:force=>true})
-> 0.1454s
-- create_table("versions", {:force=>true})
-> 0.1239s
-- add_index("versions", ["project_id"], {:name=>"versions_project_id"})
-> 0.1386s
-- create_table("workflows", {:force=>true})
-> 0.1219s
rake aborted!
```

An error has occurred, all later migrations canceled:

Can't mass-assign protected attributes: controller, action, description, sort, is_public

Tasks: TOP => db:migrate

Click here to rerun the task with tracing enabled

```
</pre>
```

Any help with this? I would like to contribute to the project (but yes once i get comfortable with ruby & rails)..!

2013-06-10 01:01 am - Toshi MARUYAMA

It seems ChiliProject members have restarted Rails3 porting.

I don't know why do not they announce here.

This is my Japanese presentation that how we ported Redmine to Rails3.

* "slide":<http://marutosi.bitbucket.org/redmine-shinagawa-20120519/slide/html/index.html>
* "one html":<http://marutosi.bitbucket.org/redmine-shinagawa-20120519/one-html/html/index.html>

2013-06-10 09:20 am - Felix Schäfer

Toshi MARUYAMA wrote:

> It seems ChiliProject members have restarted Rails3 porting.

Yes.

> I don't know why do not they announce here.

Because we're currently trying to iron out the biggest kinks and are trying to find a way/guidelines for contributors to help us without us drowning in helping them. Furthermore, we've announced it so many times with the effort dying off quickly afterwards that we didn't want to announce it too soon.

> This is my Japanese presentation that how we ported Redmine to Rails3.

```
>  
> * "slide":http://marutosi.bitbucket.org/redmine-shinagawa-20120519/slides/html/index.html  
> * "one html":http://marutosi.bitbucket.org/redmine-shinagawa-20120519/one-html/html/index.html
```

We'll have a look, thanks! :-)

2013-06-26 07:18 am - Toshi MARUYAMA

Rails 4 released.

<http://weblog.rubyonrails.org/2013/6/25/Rails-4-0-final/>

2013-06-26 07:21 am - Toshi MARUYAMA

<http://railsists.com/>

> With the release of Rails 4, support for Rails 2.3 "has ended":<http://weblog.rubyonrails.org/2013/2/24/maintenance-policy-for-ruby-on-rails/>.

2013-07-09 12:49 am - Toshi MARUYAMA

Felix Schäfer wrote:

```
>> This is my Japanese presentation that how we ported Redmine to Rails3.  
>>  
>> * "slide":http://marutosi.bitbucket.org/redmine-shinagawa-20120519/slides/html/index.html  
>> * "one html":http://marutosi.bitbucket.org/redmine-shinagawa-20120519/one-html/html/index.html  
>  
> We'll have a look, thanks! :-)
```

<http://marutosi.bitbucket.org/redmine-shinagawa-20120519/one-html/html/index.html#rails3-1>

* あるものをtrunkに移す(バックポート)

** ビュー html_safe

** モデル validate

*** r6714 2011-08-29 Redmine ローカル

* Mercurialの transplant() と Mercurial Queues (MQ) を使う

* (git/hgの)mergeではなく rebase

** コミットをさくする

** リビジョンを単位にする

** Rails 3.0 -> 3.1 -> 3.2 と単位にする

*** それぞれのバージョンで「単位」があり、取り分けが単位

2013-07-09 09:58 am - Felix Schäfer

Toshi I'm very sorry but even with Google Translate your slides are very difficult to read for us, for example:

```
<pre>(git/hgの)mergeではなく rebase  
コミットをさくする  
リビジョンを単位にする  
Rails 3.0 -> 3.1 -> 3.2 と単位にする  
それぞれのバージョンで「単位」があり、取り分けが単位</pre>
```

translates to:

<pre>rebase rather than merge (the git / hg)

I commit to reduce the unit

I want to line the revision

I want to order> and 3.2 - Rails 3.0 -> 3.1

There are "obsolete" for each version, carved difficult</pre>

To be honest I can't make heads or tails of half of it.

Now regarding the "comment you made on

Github":<https://github.com/thegcat/chiliproject/commit/7488671b43f1193128bccb29594c7768f0e145bd#commitcomment-3588768>:

> It is too hard to port jumping Rails 3.2.

> You should port Rails 3.0 -> 3.1 -> 3.2.

Rails 3.0 and 3.1 are not maintained anymore and a lot of things added in 3.2 are not available in Rails 3.0 and 3.1, thus the plan was always to move to Rails 3-latest. I don't deny it will be a lot of work, but we're not convinced that taking all the extra steps in between with all the required extra work to support the quirks of the Rails versions in between is worth it.

Anyway, we have decided to try to directly update to 3.2, this is currently not open to debate.

2013-07-09 04:41 pm - Toshi MARUYAMA

OpenProject Rails3 porting

```
* Rails 3.0 2012-07-25 00:25:23
** https://github.com/opf/openproject/commit/5660f65d0d167aef87a9773e81ff7d3ef4f867dd
* Rails 3.1 2012-08-29 08:38:24
** https://github.com/opf/openproject/commit/d19fdaf6a1efff1c9ef1d1197b969e8d462417eb
* Rails 3.2 2012-08-31 04:56:33
** https://github.com/opf/openproject/commit/40cecc66a31fe9273559a9ad7d4e982d6561f1ce
```

2013-07-09 04:47 pm - Toshi MARUYAMA

Redmine revision 6714

<http://www.redmine.org/projects/redmine/repository/revisions/6714>

```
<pre><code class="diff">
Index: attachment.rb
=====
--- attachment.rb (revision 6713)
+++ attachment.rb (revision 6714)
@@ -24,6 +24,7 @@
     validates_presence_of :container, :filename, :author
     validates_length_of :filename, :maximum => 255
     validates_length_of :disk_filename, :maximum => 255
+    validate :validate_max_file_size

     acts_as_event :title => :filename,
       :url => Proc.new {|o| { :controller => 'attachments', :action => 'download', :id => o.id, :filename => o.filename } }
@@ -45,7 +46,7 @@
     cattr_accessor :storage_path
     @@storage_path = Redmine::Configuration['attachments_storage_path'] || "#{Rails.root}/files"

-    def validate
+    def validate_max_file_size
       if self.filesize > Setting.attachment_max_size.to_i.kilobytes
         errors.add(:base, :too_long, :count => Setting.attachment_max_size.to_i.kilobytes)
       end
     end
</code></pre>
```

</code></pre>

Rails 3.0 suggests "validate" is obsolete.

But Rails 3.1 does not.

How do you catch it on Rails 3.2?

We ran all tests on Rails 3.0 and we fixed.

But you cannot catch "validate" check on Rails 3.2.

How do you fix it on Rails 3.2?

2013-07-10 01:11 am - Toshi MARUYAMA

- *File rails3.png added*

- *File rails3.odg added*

Rails3 porting policy figure

!rails3.png!

2013-07-10 01:13 am - Toshi MARUYAMA

- *File rails3-small.png added*

Small figure.

!rails3-small.png!

2013-07-13 11:45 am - Felix Schäfer

Toshi MARUYAMA wrote:

> Rails 3.0 suggests "validate" is obsolete.

> But Rails 3.1 does not.

> How do you catch it on Rails 3.2?

>

> We ran all tests on Rails 3.0 and we fixed.

> But you cannot catch "validate" check on Rails 3.2.

> How do you fix it on Rails 3.2?

You're right, we would have missed it. It's a risk we're willing to take.

I really appreciate that you want to help, but opening countless pull requests without much explanation is confusing, at least for me. I'll be happy to take your contributions under consideration, but please follow these guidelines:

* No work is planned in the current @master@ (currently Rails 2.3) branch, that branch will only be updated with security fixes as needed until it is replaced by the Rails 3 work.

* The current @unstable@ branch is to be port to Rails 3.2 and we are not planning on going through Rails 3.0 and Rails 3.1. We might do some rebasing of the @unstable@ branch at a later time to regroup and squash commits, but it currently is a _work_ branch, we will certainly find things at a later time that we overlooked in previous commits (for example the @app/views/my(blocks@ that were forgotten in "6ee13d0":<https://github.com/thegcat/chiliproject/commit/6ee13d035903619dc320dcee01f01951093749f2> and added in "5fd3eeb":<https://github.com/thegcat/chiliproject/commit/5fd3eebbd8e6ce72b26631315dcfd75593e1b662> can be squashed) and as such it matters a little less if the commits aren't all exceptionally neat right now.

Regarding deprecation warnings in Rails 3.0 or Rails 3.1 that we might miss, for example that @#validate@ methods from @ActiveRecord::Base@ subclasses won't be used to validate models anymore as you have pointed out, do you have a list that we could use to check ChiliProject?

2013-07-13 05:04 pm - Toshi MARUYAMA

Felix Schäfer wrote:

> Regarding deprecation warnings in Rails 3.0 or Rails 3.1 that we might miss, for example that @#validate@ methods from @ActiveRecord::Base@ subclasses won't be used to validate models anymore as you have pointed out, do you have a list that we could use to check ChiliProject?

No.

Only way is "Porting all features and passing all tests on *Rails 3.0*".

The issue is not only deprecation but also *routing*.

OpenProject keeps default route.

<https://github.com/opf/openproject/blob/d7903ef92892c9595da/config/routes.rb#L517>

```
<pre><code class="ruby">
match '/:controller(/:action(/:id))'
</code></pre>
```

Redmine removed default route on Rails2.

<http://www.redmine.org/projects/redmine/repository/revisions/8162>

And we added all *routing tests*.

Rails 3.0 supports both of old and new format route.

Firstly, you should adjust old format routing on Rails 3.0.

2013-07-14 01:24 am - Toshi MARUYAMA

Felix Schäfer wrote:

> * No work is planned in the current @master@ (currently Rails 2.3) branch, that branch will only be updated with security fixes as needed until it is replaced by the Rails 3 work.

> * The current @unstable@ branch is to be port to Rails 3.2 and we are not planning on going through Rails 3.0 and Rails 3.1.

If it is true, what is status current *unstable* branch?

Why don't you merge unstable to master?

If you don't use current unstable branch, you should remove current unstable branch.

2013-07-14 01:32 am - Toshi MARUYAMA

Felix Schäfer wrote:

> * The current @unstable@ branch is to be port to Rails 3.2 and we are not planning on going through Rails 3.0 and Rails 3.1. We might do some rebasing of the @unstable@ branch at a later time to regroup and squash commits, but it currently is a _work_ branch,

Will you do *history editing* on *central repository*?

<https://github.com/chiliproject/chiliproject>

It is very stupid.

You should use *forked* repository.

GitHub limits one forked repository on one account.

It is ridiculous limitation.

You should use other repository instead of GitHub.

For example, Bitbucket or building on own hosting machine.

2013-07-14 02:08 am - Toshi MARUYAMA

- File rails2-git-mbox.diff added

- File rails3-git-mbox.diff added

Felix Schäfer wrote:

> I really appreciate that you want to help, but opening countless pull requests without much explanation is confusing, at least for me.

My policy is very simple.

2013-07-14 02:30 am - Toshi MARUYAMA

Felix Schäfer wrote:

> I really appreciate that you want to help, but opening countless pull requests without much explanation is confusing, at least for me.

If you feel pull request is confusing, you should not use pull request.

As I described Japanese presentation,

<http://marutosi.bitbucket.org/redmine-shinagawa-20120519/one-html/html/index.html#github2>

pull request is *not* suitable for *big* *well-maintained* *centralized* project.

Linus refused pull request.

<https://github.com/torvalds/linux/pull/17>

Mercurial and its related projects (TortoiseHg, hgsubversion, hg-git) refuse pull request.

<https://bitbucket.org/durin42/hg-git/pull-request/13/fix-pulling-from-multiple-clones/activity>

2013-07-14 02:48 am - Toshi MARUYAMA

Felix Schäfer wrote:

> I really appreciate that you want to help, but opening countless pull requests without much explanation is confusing, at least for me.

This policy is that Eric suggested us.

<http://www.redmine.org/issues/4455#note-143>

> If you can convert the code it into multiple patches I can review and apply individually, then that would be great. For example:

>

> * one patch for branch support

> * one patch for tag support

> * one patch to fix bug 3421

> * ...

2013-07-16 11:28 pm - Toshi MARUYAMA

commit:dff8cf66 which removed Ruby 1.8 contains unstable changes.

Why do you merge unstable to stable first?

2013-07-21 08:12 am - Toshi MARUYAMA

Felix Schäfer wrote:

> Rails 3.0 and 3.1 are not maintained anymore and a lot of things added in 3.2 are not available in Rails 3.0 and 3.1, thus the plan was always to move

to Rails 3-latest. I don't deny it will be a lot of work, but we're not convinced that taking all the extra steps in between with all the required extra work to support the quirks of the Rails versions in between is worth it.

>
> Anyway, we have decided to try to directly update to 3.2, this is currently not open to debate.

I send pull request "Rails 3.0 porting":<https://github.com/chiliproject/chiliproject/pull/305> , "Rails 3.1 porting":<https://github.com/chiliproject/chiliproject/pull/306> and "Rails 3.2 porting":<https://github.com/chiliproject/chiliproject/pull/307>

Travis tests of "Rails 3.0":<https://travis-ci.org/chiliproject/chiliproject/builds/9302216> and "Rails 3.1":<https://travis-ci.org/chiliproject/chiliproject/builds/9302345> show many DEPRECATION WARNING.
But, "Rails 3.2":<https://travis-ci.org/chiliproject/chiliproject/builds/9302418> does not.

It is obvious that you should port to Rails 3.0 then Rails 3.1.

2013-09-03 03:46 am - Toshi MARUYAMA

h2. Done ratio: 20%

I cannot change done ratio of this issue.

h2. Main pull request

- * "Rails3 backporting to Rails2 without default route":<https://github.com/chiliproject/chiliproject/pull/808>
- * "Rails3.0 porting with new format route":<https://github.com/chiliproject/chiliproject/pull/809>
- * "Rails 3.1 porting":<https://github.com/chiliproject/chiliproject/pull/810>
- * "Rails 3.2 minimal porting":<https://github.com/chiliproject/chiliproject/pull/811>

h2. Done work

h3. On Rails2

- * Explicitly declare all routes and deactivate default route
- ** Redmine "revision 8162":<http://www.redmine.org/projects/redmine/repository/revisions/8162>
- * Removed default route
- ** Redmine "revision 8163":<http://www.redmine.org/projects/redmine/repository/revisions/8163>

- * Resourcified route
- ** trackers: Redmine "revision 7888":<http://www.redmine.org/projects/redmine/repository/revisions/7888>
- ** issue statuses: Redmine "revision 7890":<http://www.redmine.org/projects/redmine/repository/revisions/7890>
- ** etc...

h3. On Rails3.0

I removed almost all "DEPRECATION WARNING".

h3. On Rails3.1 and Rails3.2

Routing tests pass.

h2. Notes

There are many functional test failures due to html escaping on Rails3.

Because I don't use ChiliProject, I won't fix these failures.

Because ChiliProject team have not accepted any pull requests,

I cannot continue porting.

So, I stopped porting.

2013-09-25 12:54 pm - John Yani

Ironically, it is obvious that all the points in the [[Why fork?]] are relevant to Chiliproject. Development and maintenance of Redmine is much more active.

Files

rails3.png	84.8 kB	2013-07-10	Toshi MARUYAMA
rails3.odg	12.3 kB	2013-07-10	Toshi MARUYAMA
rails3-small.png	53.5 kB	2013-07-10	Toshi MARUYAMA
rails2-git-mbox.diff	155.3 kB	2013-07-14	Toshi MARUYAMA
rails3-git-mbox.diff	2.3 MB	2013-07-14	Toshi MARUYAMA