Redmine - Feature #2110

Fetch new changesets of a specific repository by script

2008-10-29 21:23 - Markus Peter

Status:	Closed	**Start date:**	2008-10-29
Priority:	Normal	**Due date:**	
Assignee:		**% Done:**	0%
Category:	SCM	**Estimated time:**	0.00 hour
Target version:			
Resolution:			

Description

As explained in the guide, the line

```
ruby script/runner "Repository.fetch_changesets" -e production
```

allows to periodically fetch all new changesets of *all* repositories.

It would be useful to be able to specify the name of the repository for which to fetch the changesets. That way, the script could be called in a post-commit hook and could fetch only the changesets of the repository which caused the post-commit hook to fire.

In a multi-project setup with numerous repositories it seems a waste of time and resources to check *all* repositories for new changesets every time a commit is made.

Ideally, one would be able to pass the url of the repository which usually is known to the post-commit handler. Redmine then would check whether there is a repository with the given url and call *fetch_changesets* of that repository only.

History

#1 - 2008-10-30 02:48 - Eric Davis

Try this

```
ruby script/runner -e production "Repository.find_by_url('http://my-url.com/repository').fetch_changesets"
</pre>
```

#2 - 2008-10-30 21:24 - Markus Peter

This didn't work, I got the following error:

```
c:/ruby/lib/ruby/gems/1.8/gems/rails-2.1.1/lib/commands/runner.rb:47: undefined method `fetch_changesets' for
nil:NilClass (NoMethodError)
    from c:/ruby/lib/ruby/site_ruby/1.8/rubygems/custom_require.rb:27:in `eval'
    from c:/ruby/lib/ruby/gems/1.8/gems/rails-2.1.1/lib/commands/runner.rb:47
    from c:/ruby/lib/ruby/site_ruby/1.8/rubygems/custom_require.rb:27:in `gem_original_require'
    from c:/ruby/lib/ruby/site_ruby/1.8/rubygems/custom_require.rb:27:in `require'
    from script/runner:3
```

As you can see, I'm running on windows, I have r1901 from the trunk, everything working fine.

Btw, where would I find the method *find_by_url* (I'm a ruby noob)? I've been searching all files but couldn't find it.

#3 - 2008-10-31 05:00 - Eric Davis

Markus Peter wrote:

> This didn't work, I got the following error:

So your repository url wasn't found. I would double check that the url you are using matches the project url.

> As you can see, I'm running on windows, I have r1901 from the trunk, everything working fine.

> Btw, where would I find the method *find_by_url* (I'm a ruby noob)? I've been searching all files but couldn't find it.

find_by_url is a dynamic finder. Ruby on Rails creates several find_by_xxx based on the fields on an ActiveRecord class. url is a field on the Repository so find_by_url is asking "Get the the Repository where the url is xxxx". More details about dynamic finders

#4 - 2008-10-31 13:46 - Markus Peter

- Status changed from New to Resolved

Tried again, this time copy-pasting the url and it worked - I must have made a typo before... Thanks a lot!

This is very slow - 100% CPU for about 10-15 seconds, with mysql and svn repositories on the same box, even if there are no new revisions to import. Calling *Repository.fetch_changesets* (~25 repositories) takes only about 25-30 seconds. Activating auto-fetch and calling the repository web page is by far the fastest (less than 1 second).

Therefore I hesitate to call it from a post-commit hook. Calling the url */repositories/show/[project identifier]* from a post-commit hook would be faster, but of course I do not have the project identifier, and calling that page needs authentication.

Thanks for the explications of dynamic finders, this seems a tremendously useful feature.

#5 - 2011-01-18 07:03 - Toshi MARUYAMA

- Category set to SCM

#6 - 2011-03-23 07:10 - Toshi MARUYAMA

- Status changed from Resolved to Closed