

Redmine - Patch #1199

Mercurial adapter

2008-05-07 11:53 - Pierre Paysant-Le Roux

Status:	Closed	Start date:	2008-05-07
Priority:	Normal	Due date:	
Assignee:		% Done:	0%
Category:	SCM	Estimated time:	0.00 hour
Target version:	0.8		
Description			
I spent some time on the Mercurial adapter. I made two changes that I purpose to you :			
<ul style="list-style-type: none">I wrote a new revisions method that parses changesets with only one call to the hg program. I use a template that makes hg output the changelog in XML. I put the templates in extra/mercurial. There are two templates because the templating syntaxe changed a bit with Mercurial 1.0. I did not make benchmarks but I think it's slightly faster than the actual method. This new method also fetch informations about copied files.I made changes on the entries method to be able to browse the repository at any revision. The actual method cannot list directories that do not exist in the present revision.			
I tested my code on Linux with Mercurial 0.9.5 and on Windows with Mercurial 1.0.			
Related issues:			
Related to Redmine - Defect #1241: Mercurial : Don't browse latest version af...			Closed 2008-05-15

Associated revisions

Revision 1499 - 2008-06-07 11:19 - Jean-Philippe Lang

Mercurial adapter improvements (patch #1199 by Pierre Paysant-Le Roux).

History

#1 - 2008-05-20 19:14 - Pierre Paysant-Le Roux

- File redmine-patch added

This new version of the patch resolves issue [#1241](#).

#2 - 2008-05-21 12:04 - Frédéric Moulins

- File patch-1199_against_r1441.patch added

Hello,

thanks for the solution !

Your patch didn't applied cleanly, there was a problem with hunk 2 of mercurial_adapter.rb.
Here is your patch with a few modifications :

- use of to_s in cmd << " -r " + (identifier ? identifier.to_s : "tip") (I think this line caused your patch to not apply).
- use of the same trick for cat and annotate, to be able to see files at a specific revision.

I tested on a Linux machine with Mercurial 1.0.
Could you test it again with both versions of Mercurial and on Windows ?

Patch apply to [r1441](#) and also to [r1420](#).

#3 - 2008-05-29 20:28 - Jean-Philippe Lang

This patch applies cleanly on the latest code. But it breaks this unit test: test_fetch_changesets_from_scratch(RepositoryMercurialTest).
It looks like the commit message is truncated to the first line. I'm running hg 1.0 on win32.
Any idea?

Also I think that MercurialAdapter.template_path is not accurate.
Here is my output of hg --version:

Mercurial Distributed SCM (version 1e4ddc9ac9f7+20080325)

Maybe we could choose the 1.0 template if it doesn't match something like: /version (d+(\.d+)*)/ ?

#4 - 2008-05-30 08:05 - Paul Rivier

here is my output for hg --version. First is for .9.5, second is for 1.0. System is debianish, .9.5 is provided by distro repository, 1.0 is built from hg sources.

```
Mercurial Distributed SCM (version 0.9.5)

Mercurial Distributed SCM (version 1.0)
```

Jean Philippe, how did you get your copy of HG ?

By the way, a fallback as suggested is probably safe.

#5 - 2008-05-30 10:34 - Pierre Paysant-Le Roux

The binary package of Mercurial for Windows is built from a snapshot and not from an official release. As a result, the version number provided by hg --version is the revision id of the compiled source.

#6 - 2008-05-30 16:24 - Pierre Paysant-Le Roux

- File patch-redmine-mercurial.patch added

Here is a new patch that passes unit tests. In fact, all the commit messages where truncated.

Is there a way to obtain the repositories used for unit testing ?

I modified the behaviour for the template selection. If the version number is not a version number (ie it's not an official release), then the template1.0 is used. I asked the Mercurial packager for Windows why he don't use official releases.

#7 - 2008-06-02 20:00 - Jean-Philippe Lang

Pierre, the repository used for unit and fonctionnal tests can be found in test/fixtures/repositories.
Extract it into tmp/test as documented in [source:/trunk/doc/RUNNING_TESTS](#) :

```
gunzip < test/fixtures/repositories/mercurial_repository.tar.gz | tar -xv -C tmp/test
```

I did not do a full review of your patch but tests are OK. Do you think it's ready for commit ?

#8 - 2008-06-03 20:01 - Pierre Paysant-Le Roux

- File patch-mercurial-adapter.patch added

I made a new patch with a bit more unit tests. I think it can be committed now. The piece of code is in use for some days in our Redmine instance.

#9 - 2008-06-07 11:20 - Jean-Philippe Lang

- Status changed from New to Closed
- Target version set to 0.8

Patch committed in [r1499](#).
I made a small change in order to move the templates from /extra to /lib/redmine/scm/adapters/mercurial since the adapter depends on these files.
Thanks for your work.

Files			
redmine-patch	10.3 KB	2008-05-07	Pierre Paysant-Le Roux
redmine-patch	10.3 KB	2008-05-20	Pierre Paysant-Le Roux
patch-1199_against_r1441.patch	9.63 KB	2008-05-21	Frédéric Moulins
patch-redmine-mercurial.patch	11.8 KB	2008-05-30	Pierre Paysant-Le Roux
patch-mercurial-adapter.patch	15.6 KB	2008-06-03	Pierre Paysant-Le Roux