

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)
```

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warranty; not even for MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE.

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