

## Redmine - Patch #1199

### Mercurial adapter

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

<b>Status:</b> Closed	<b>Start date:</b> 2008-05-07
<b>Priority:</b> Normal	<b>Due date:</b>
<b>Assignee:</b>	<b>% Done:</b> 0%
<b>Category:</b> SCM	<b>Estimated time:</b> 0.00 hour
<b>Target version:</b> 0.8	
<b>Description</b> I spent some time on the Mercurial adapter. I made two changes that I purpose to you : <ul style="list-style-type: none"><li>• 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.</li><li>• 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.</li></ul> I tested my code on Linux with Mercurial 0.9.5 and on Windows with Mercurial 1.0.	
<b>Related issues:</b> Related to Redmine - Defect #1241: Mercurial : Don't browse latest version af... <b>Closed</b> <b>2008-05-15</b>	

#### 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](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