Redmine - Defect #3449

Redmine Takes Too Long On Large Mercurial Repository

2009-06-05 14:46 - Carlo Camerino

Status:	Closed		**Start date:**	2009-06-05
Priority:	Normal		**Due date:**	
Assignee:	Toshi MARUYAMA		**% Done:**	100%
Category:	SCM		**Estimated time:**	0.00 hour
Target version:	1.1.0			
Resolution:	Fixed		**Affected version:**	

Description

Hi ,

I have been using redmine together with mercurial. I used hg convert to convert a subversion repository into a mercurial one and then I configured redmine to read it.

Everytime I click on the repository tab, it hangs for a very long time and then responds afterwards. I thought that this was just initial but it happens everytime I click the Repository tab.

Related issues:

Related to Redmine - Defect #3567: Sorting for changesets might go wrong on M...	**Closed**	**2009-06-30**
Related to Redmine - Defect #1435: slow display of 'repository' tab for huge ...	**Closed**	**2008-06-12**
Related to Redmine - Defect #8857: Git: Too long in fetching repositories aft...	**Closed**	**2011-07-20**

Associated revisions

Revision 4611 - 2011-01-02 07:05 - Toshi MARUYAMA

Fixed: repository: mercurial: sort changesets by revision (#3449, #3567).

In DVCS, changesets are not in date order.
Because Mercurial backend inserts changesets from eariest, 'ORDER BY id'
means 'order by revision number'.

Contributed by Yuya Nishihara.

Revision 5644 - 2011-05-05 01:38 - Toshi MARUYAMA

scm: git: add comments of revision order in fetch_changesets().

Related issues.
#5357, #6013, #7146, #4773, #4547, #1406, #3449, #3567.

History

#1 - 2009-06-05 19:21 - Carlo Camerino

cpu utilization of ruby and hg process is 100% most of the time

#2 - 2009-06-10 12:35 - Carlo Camerino

is this related to issue #3421

#3 - 2009-08-29 08:08 - Anil Gulecha

I see the same issue with a hg repository.

#4 - 2010-01-26 08:43 - Giuseppe Ciotta

Hi,
same happens here - Did you manage to find a workaround?
As a side note - I've imported the mercurial repository from svn as well.

#5 - 2010-01-26 09:46 - Toshi MARUYAMA

Please see #4455 - Mercurial overhaul.

#6 - 2010-02-11 22:11 - Toshi MARUYAMA

- File issue-3449-only.patch added

- % Done changed from 0 to 70

This patch is only for this issue.
I will describe this patch purpose at [#4455](#) - Mercurial overhaul later.

#7 - 2010-10-08 18:57 - Toshi MARUYAMA

- % Done changed from 70 to 100

The reason of this issue is **Mercurial [tip](#) is not latest revision** as I described at http://www.redmine.org/issues/4455#note-23 .

This issue is resolved by [hg-changeset-order.patch](#) at http://www.redmine.org/issues/4455#note-144 .

I created test repository for this issue and pushed to http://bitbucket.org/marutosi/redmine-hg-performance-test-repo .

How to create test repository

```
$ hg --version
Mercurial Distributed SCM (version 1.6.3)

$ hg clone -U -r 1.0.0 \
   http://bitbucket.org/marutosi/redmine-hgsubversion-allbranches-clean \
   redmine-hg-performance-test-repo
requesting all changes
adding changesets
adding manifests
adding file changes
added 3170 changesets with 17488 changes to 3055 files

$ hg --cwd redmine-hg-performance-test-repo/ pull -r 0.9.6 \
   http://bitbucket.org/marutosi/redmine-hgsubversion-allbranches-clean
pulling from http://bitbucket.org/marutosi/redmine-hgsubversion-allbranches-clean
searching for changes
adding changesets
adding manifests
adding file changes
added 119 changesets with 185 changes to 199 files (+1 heads)
(run 'hg heads' to see heads, 'hg merge' to merge)

$ hg --cwd redmine-hg-performance-test-repo/ tip
changeset:   3288:2f0bae5c51dc
branch:      0.9-stable
tag:         tip
user:        edavis10@e93f8b46-1217-0410-a6f0-8f06a7374b81
date:        Thu Jul 08 03:54:53 2010 +0000
summary:     Merged r3836 from trunk.

$ hg --cwd redmine-hg-performance-test-repo/ heads --topo
changeset:   3288:2f0bae5c51dc
branch:      0.9-stable
tag:         tip
user:        edavis10@e93f8b46-1217-0410-a6f0-8f06a7374b81
date:        Thu Jul 08 03:54:53 2010 +0000
summary:     Merged r3836 from trunk.

changeset:   3169:251c954b3994
branch:      1.0-stable
user:        edavis10@e93f8b46-1217-0410-a6f0-8f06a7374b81
date:        Sun Jul 18 16:39:00 2010 +0000
summary:     Change version to the show this is the stable branch.

$ hg --cwd redmine-hg-performance-test-repo/ branches
0.9-stable                  3288:2f0bae5c51dc
1.0-stable                  3169:251c954b3994
default                     3161:b993c63dcedb (inactive)
```

Latest revision is "3169:251c954b3994" (SVN [r3857](#) : Sun Jul 18 16:39:00 2010 +0000).
Mercurial tip is "3288:2f0bae5c51dc" (SVN [r3838](#) : Thu Jul 08 03:54:53 2010 +0000).

Current redmine mercurial adapter fetches 119(=3288-3169) changesets **every time**.

Before patch applied

```
Processing RepositoriesController#show (for 127.0.0.1 at 2010-10-09 01:04:48) [GET]
  Parameters: {"action"=>"show", "id"=>"hg-performance-test", "controller"=>"repositories"}
Rendering template within layouts/base
Rendering repositories/show
Completed in 11151ms (View: 137, DB: 409) | 200 OK [http://localhost/projects/hg-performance-test/repository]

Processing RepositoriesController#show (for 127.0.0.1 at 2010-10-09 01:05:21) [GET]
  Parameters: {"action"=>"show", "id"=>"hg-performance-test", "controller"=>"repositories"}
Rendering template within layouts/base
Rendering repositories/show
Completed in 11088ms (View: 139, DB: 417) | 200 OK [http://localhost/projects/hg-performance-test/repository]

Processing RepositoriesController#show (for 127.0.0.1 at 2010-10-09 01:05:52) [GET]
  Parameters: {"action"=>"show", "id"=>"hg-performance-test", "controller"=>"repositories"}
Rendering template within layouts/base
Rendering repositories/show
Completed in 11181ms (View: 136, DB: 408) | 200 OK [http://localhost/projects/hg-performance-test/repository]
```

After patch applied

```
Processing RepositoriesController#show (for 192.168.11.90 at 2010-10-09 00:19:09) [GET]
  Parameters: {"action"=>"show", "id"=>"hg-performance-test", "controller"=>"repositories"}
Rendering template within layouts/base
Rendering repositories/show
Completed in 1487ms (View: 154, DB: 245) | 200 OK [http://192.168.11.90/projects/hg-performance-test/repositor
y]

Processing RepositoriesController#show (for 192.168.11.90 at 2010-10-09 00:19:13) [GET]
  Parameters: {"action"=>"show", "id"=>"hg-performance-test", "controller"=>"repositories"}
Rendering template within layouts/base
Rendering repositories/show
Completed in 1750ms (View: 153, DB: 246) | 200 OK [http://192.168.11.90/projects/hg-performance-test/repositor
y]

Processing RepositoriesController#show (for 192.168.11.90 at 2010-10-09 00:19:16) [GET]
  Parameters: {"action"=>"show", "id"=>"hg-performance-test", "controller"=>"repositories"}
Rendering template within layouts/base
Rendering repositories/show
Completed in 1508ms (View: 151, DB: 244) | 200 OK [http://192.168.11.90/projects/hg-performance-test/repositor
y]
```

#8 - 2011-01-02 06:42 - Toshi MARUYAMA

- Assignee set to Toshi MARUYAMA

- Priority changed from High to Normal

- Target version set to 1.1.0

#9 - 2011-01-02 07:16 - Toshi MARUYAMA

- Status changed from New to Closed

- Resolution set to Fixed

Fixed in svn trunk by [r4611](#) and 1.1 by [r4612](#).

Files

issue-3449-only.patch	560 Bytes	2010-02-11		Toshi MARUYAMA