

## Redmine - Defect #3449

### Redmine Takes Too Long On Large Mercurial Repository

2009-06-05 14:46 - Carlo Camerino

|  |                |                          |                   |
|--|----------------|--------------------------|-------------------|
| <b>Status:</b>   | Closed         | <b>Start date:</b>       | 2009-06-05        |
| <b>Priority:</b>   | Normal         | <b>Due date:</b>         |                   |
| <b>Assignee:</b>   | Toshi MARUYAMA | <b>% Done:</b>           | 100%              |
| <b>Category:</b>   | SCM            | <b>Estimated time:</b>   | 0.00 hour         |
| <b>Target version:</b>   | 1.1.0          | <b>Affected version:</b> |                   |
| <b>Resolution:</b>   | Fixed          |                          |                   |
| <b>Description</b>   |                |                          |                   |
| Hi ,<br><br>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.<br><br>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. |                |                          |                   |
| <b>Related issues:</b>   |                |                          |                   |
| Related to Redmine - Defect #3567: Sorting for changesets might go wrong on M...   |                | <b>Closed</b>            | <b>2009-06-30</b> |
| Related to Redmine - Defect #1435: slow display of 'repository' tab for huge ...   |                | <b>Closed</b>            | <b>2008-06-12</b> |
| Related to Redmine - Defect #8857: Git: Too long in fetching repositories aft...   |                | <b>Closed</b>            | <b>2011-07-20</b> |

#### 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 earliest, '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

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