

## 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 ,  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.			
<b>Related issues:</b>			
Related to Redmine - Defect # 3567: Sorting for changesets might go wrong on ...		<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 af...		<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](http://www.redmine.org/issues/4455#note-23) 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](http://www.redmine.org/issues/4455#note-144) 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/repository]
```

```
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/repository]
```

```
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/repository]

**#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
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