

Redmine - Defect #3567

Sorting for changesets might go wrong on Mercurial repos

2009-06-30 23:35 - Ammler _

Status:	Closed	Start date:	2009-06-30
Priority:	Normal	Due date:	
Assignee:	Toshi MARUYAMA	% Done:	100%
Category:	SCM	Estimated time:	0.00 hour
Target version:	1.1.0	Affected version:	
Resolution:	Fixed		
Description <p>The DVCS Mercurial allows to commit changesets with configureable, i.e. with "hg ci -d "2222-10-20...", then the next changeset could have a earlier date. Of course, ususally it shouldn't happen, but it can, maybe only seconds but it does. :-)</p> <p>So the sorting depend on revision number for Mercurial, Git doesn't have numbers (in Redmine), so it can't be used as general setting.</p> <p>I don't know, if it's a bug or a feature request, feel free to decide that self. ;-)</p> <p>Examples from 2 repos (the "bad" version is r137):</p> <ul style="list-style-type: none">• https://dev.openttdcoop.org/projects/worldairlineset/repository/revisions• http://mz.openttdcoop.org/hg/worldairlineset/shortlog			
Related issues: <p>Related to Redmine - Defect #3449: Redmine Takes Too Long On Large Mercurial ... Closed 2009-06-05</p>			

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 - 2009-07-01 00:07 - Mischa The Evil

Edited description to prevent unwanted output

#2 - 2009-07-01 13:18 - Ammler _

- File `redmine_hg_sorting.png` added

attached a screen with the "wrong" sorting, as the example repository above might change...

#3 - 2009-07-01 14:06 - Ammler _

following patch "fixes" the sorting for mercurial, but of course, it doesn't work anymore for git and maybe other VCS, http://dev.openttdcoop.org/hg_sorting.diff

#4 - 2009-07-01 14:10 - Ammler _

He, usually, I have edit rights for tickets. ;-)

I totally forgot to mention the used revision: it is trunk [r2778](#)

#5 - 2010-03-07 12:58 - Toshi MARUYAMA

- File *redmine-sort-by-date.png* added
- File *redmine-sort-by-revno.png* added
- % Done changed from 0 to 90

I fix this problem at [#4455](#) follwing patch.
<http://www.redmine.org/issues/4455#note-56>

#6 - 2010-03-28 14:03 - Yuya Nishihara

It seems we can simply use ORDER BY id. At least, both Subversion and Mercurial insert changesets from earliest.

<http://bitbucket.org/yuja/redmine-mq/src/tip/sort-changesets-by-id.diff>

#7 - 2010-04-21 14:39 - Yuya Nishihara

Yuya Nishihara wrote:

It seems we can simply use ORDER BY id. At least, both Subversion and Mercurial insert changesets from earliest.

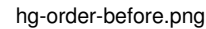
No! It breaks git backend ([#5357](#).) The patch needs updated to take effect only for Mercurial.

#8 - 2010-10-08 12:27 - Toshi MARUYAMA

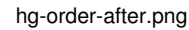
- File *hg-order-before.png* added
- File *hg-order-after.png* added
- % Done changed from 90 to 100

These are [test repository](#) images of [hg-changeset-order.patch](#) at <http://www.redmine.org/issues/4455#note-144>
This patch take effect only for Mercurial.

Before patch applied



After patch applied



#9 - 2011-01-02 06:43 - Toshi MARUYAMA

- Assignee set to Toshi MARUYAMA
- Target version set to 1.1.0

#10 - 2011-01-02 07:15 - Toshi MARUYAMA

- Status changed from New to Closed
- Resolution set to Fixed

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

Files

redmine_hg_sorting.png	22 KB	2009-07-01	Ammler _
redmine-sort-by-date.png	12.8 KB	2010-03-07	Toshi MARUYAMA
redmine-sort-by-revno.png	14.3 KB	2010-03-07	Toshi MARUYAMA
hg-order-before.png	45.9 KB	2010-10-08	Toshi MARUYAMA
hg-order-after.png	50.7 KB	2010-10-08	Toshi MARUYAMA