

## Redmine - Feature #5501

### Git: Mercurial: Adding visual merge/branch history to repository view

2010-05-11 12:05 - Ralph Broenink

<b>Status:</b>	Closed	<b>Start date:</b>	2010-05-11
<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>	1.3.0		
<b>Resolution:</b>	Fixed		
<b>Description</b>			
I really like the merge/branch lines in 'gitk' (or 'git log --graph') or the network view at <a href="http://github.com/edavis10/redmine/network">http://github.com/edavis10/redmine/network</a> . I couldn't find any plugin or feature request to perform this task, so I would like to suggest as a feature.			
<b>Related issues:</b>			
Related to Redmine - Feature #5386: Branch/Tags in Changeset Description		<b>New</b>	<b>2010-04-27</b>
Related to Redmine - Defect #7984: Confusing revisions links on repository root		<b>New</b>	<b>2011-03-24</b>
Related to Redmine - Feature #7246: Handle "named branch" for mercurial		<b>Closed</b>	<b>2011-01-07</b>
Related to Redmine - Defect #5357: Git: SCM revisions ordered by date/time (s...		<b>New</b>	<b>2010-04-20</b>
Related to Redmine - Defect #3724: Mercurial repositories display revision ID...		<b>Closed</b>	<b>2009-08-10</b>
Related to Redmine - Defect #9824: Visual merge/branch history words are cut off		<b>Closed</b>	
Related to Redmine - Defect #10172: There is no lines on revision graph betwe...		<b>Closed</b>	
Has duplicate Redmine - Feature #3909: Mercurial: show repository graphic his...		<b>Closed</b>	<b>2009-09-23</b>

#### Associated revisions

##### Revision 7636 - 2011-10-21 10:19 - Toshi MARUYAMA

css: set margin 0px at top and bottom of changeset ul and ol (#5501)

##### Revision 7637 - 2011-10-21 13:17 - Toshi MARUYAMA

scm: view: truncate author with length 30 (#5501)

##### Revision 7638 - 2011-10-21 13:17 - Toshi MARUYAMA

css: set nowrap of changeset author and committed\_on (#5501)

##### Revision 7639 - 2011-10-21 15:08 - Toshi MARUYAMA

scm: view: add #to\_s to changeset.author (#5501)

On Ruby 1.8.6, following error raises.

```
undefined method `mb_chars' for #<ActiveRecord::Associations::BelongsToAssociation:0x7f86950f3e58>
```

##### Revision 7653 - 2011-10-25 16:57 - Toshi MARUYAMA

scm: git: use to\_s for branches at model (#5501)

"scm.branches" will extend to have the revision for the branch.  
no "to\_s" will have a problem.

##### Revision 7654 - 2011-10-25 16:58 - Toshi MARUYAMA

scm: git: return saved revision at model "save\_revision" (#5501)

##### Revision 7662 - 2011-10-28 03:44 - Toshi MARUYAMA

scm: mercurial: update test repository (#5501)

This test repository has one merged revision.

##### Revision 7663 - 2011-10-28 04:46 - Toshi MARUYAMA

scm: mercurial: add parents to xml log template (#5501)

**Revision 7665 - 2011-10-28 06:55 - Toshi MARUYAMA**

scm: lib: add parents attribute to Revision class of abstract adapter (#5501)

**Revision 7666 - 2011-10-28 06:56 - Toshi MARUYAMA**

scm: mercurial: lib: add parents to Revision class (#5501)

**Revision 7667 - 2011-10-28 06:57 - Toshi MARUYAMA**

scm: mercurial: test: add test of parents to unit lib test (#5501)

**Revision 7668 - 2011-10-28 06:58 - Toshi MARUYAMA**

scm: git: lib: add parents to Revision class (#5501)

Contributed by Jan Topiński.

**Revision 7669 - 2011-10-28 06:59 - Toshi MARUYAMA**

scm: git: test: add test of parents to unit lib test (#5501)

**Revision 7670 - 2011-10-28 07:17 - Toshi MARUYAMA**

scm: lib: add Branch class to abstract adapter (#5501)

**Revision 7671 - 2011-10-28 07:17 - Toshi MARUYAMA**

scm: git: lib: return array of Branch class instead of array of strings at branches method (#5501)

Contributed by Jan Topiński.

**Revision 7672 - 2011-10-28 07:18 - Toshi MARUYAMA**

scm: git: test: lib: update branches test for Branch class (#5501)

**Revision 7673 - 2011-10-28 07:19 - Toshi MARUYAMA**

scm: mercurial: lib: return array of Branch class instead of array of strings at branches method (#5501)

**Revision 7674 - 2011-10-28 07:19 - Toshi MARUYAMA**

scm: mercurial: test: lib: update branches test for Branch class (#5501)

**Revision 7710 - 2011-11-03 09:01 - Toshi MARUYAMA**

scm: db: model: add parent/child relation for changesets (#5501)

Contributed by Jan Topiński.

**Revision 7711 - 2011-11-03 09:02 - Toshi MARUYAMA**

scm: git: model: save parent/child relation for changesets (#5501)

Contributed by Jan Topiński.

**Revision 7712 - 2011-11-03 09:02 - Toshi MARUYAMA**

scm: git: test: model: add test of parents (#5501)

**Revision 7713 - 2011-11-03 09:03 - Toshi MARUYAMA**

scm: mercurial: model: save parent/child relation for changesets (#5501)

**Revision 7714 - 2011-11-03 09:03 - Toshi MARUYAMA**

scm: mercurial: test: model: add test of parents (#5501)

**Revision 7715 - 2011-11-03 09:11 - Toshi MARUYAMA**

scm: controller: include parents in changesets (#5501)

Contributed by Jan Topiński.

**Revision 7716 - 2011-11-03 09:12 - Toshi MARUYAMA**

scm: model: add method to switch revision graph support or not and set default false (#5501)

**Revision 7717 - 2011-11-03 09:12 - Toshi MARUYAMA**

scm: model: git: set revision graph support true (#5501)

**Revision 7718 - 2011-11-03 09:12 - Toshi MARUYAMA**

scm: model: mercurial: set revision graph support true (#5501)

**Revision 7719 - 2011-11-03 10:58 - Toshi MARUYAMA**

scm: mercurial: test: model: fix failing test\_parents on PostgreSQL (#5501)

**Revision 7720 - 2011-11-03 10:58 - Toshi MARUYAMA**

scm: git: test: model: fix failing test\_parents on PostgreSQL (#5501)

**Revision 7721 - 2011-11-03 12:34 - Toshi MARUYAMA**

scm: view: add parents and children on the revision page (#5501)

Contributed by Jan Topiński.

**Revision 7722 - 2011-11-03 12:34 - Toshi MARUYAMA**

scm: add Japanese translation of parent and child revision (#5501)

**Revision 7723 - 2011-11-03 12:35 - Toshi MARUYAMA**

scm: update translations of parent and child revision (#5501)

**Revision 7724 - 2011-11-03 12:35 - Toshi MARUYAMA**

add raphael.js (#5501)

**Revision 7725 - 2011-11-03 12:36 - Toshi MARUYAMA**

scm: git: mercurial: add a new feature of revision graph (#5501)

Contributed by Jan Topiński.

**Revision 7727 - 2011-11-04 02:33 - Toshi MARUYAMA**

scm: view: remove redundant br tag from the revision page (#5501)

**Revision 8022 - 2011-12-02 00:41 - Toshi MARUYAMA**

scm: git: mercurial: not show revision graph in sub directory (#5501)

## History

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**#1 - 2011-03-23 11:20 - Toshi MARUYAMA**

- *Category set to SCM*

**#2 - 2011-09-05 13:29 - Jan Topiński**

- *File branch-graph-redmine.png added*

I made working patch. Please tel me if you like it or not. I don't know if you like it to be added to redmine or shall I made a plugin?

**#3 - 2011-09-05 13:30 - Jan Topiński**

- *File branch-graph-redmine.png added*

I made working patch. Please tel me if you like it or not. I don't know if you like it to be added to redmine or shall I made a plugin? Code is at <https://github.com/simcha/redmine>.


**#4 - 2011-09-05 14:25 - Toshi MARUYAMA**

















- *File bitbucket-thg-shell.txt added*

Great work!!

I prefer gitk, TortoiseHg, hgweb, bitbucket styles rather than github style.

- <http://hg.openttdcoop.org/chiliproject/graph>
- <https://bitbucket.org/redmine/chiliproject/changesets>
- <https://bitbucket.org/tortoisehg/shellex/changesets>



Author	Revision	Message		Date
 Steve Borho	5e95a6c86eb3	Added tag 2.1.3 for changeset 99643eaf311b	stable	8 days ago
 Adrian Buehlmann	ff667fa17d23	Merge with stable		13 days ago
 Adrian Buehlmann	99643eaf311b	wix: extract new thgshellx86dll.wxi	stable	13 days ago
 Adrian Buehlmann	8785917d8071	wix: extract COM server registration into new wxi file	stable	13 days ago
 Adrian Buehlmann	202223e009a8	wix: use Class element for overlay handler COM server registrations	stable	13 days ago
 Adrian Buehlmann	8218fa192e37	wix: use Class element for drop handler COM server registration	stable	13 days ago
 Adrian Buehlmann	24bd9e9d1558	wix: use Class element for cmenu COM server registration	stable	13 days ago
 Adrian Buehlmann	dd12afa9fd67	Merge with stable		21 days ago
 Adrian Buehlmann	31bfae05a77f	add missing 2.1.2 tag from thg repo	stable	22 days ago
 Adrian Buehlmann	9255d4655049	Merge with stable		23 days ago
 Adrian Buehlmann	cb81e3acce93	add shellex version as private property	stable	24 days ago
 Adrian Buehlmann	374954695140	add shellex version as private property		24 days ago
 Toshi MARUYAMA	89d79c88e999	InitStatus: Unicode porting		2011-07-26
 Toshi MARUYAMA	7c863bf5ef78	Thgstatus: Unicode porting excluding CallNamedPipeA		2011-07-26
 Toshi MARUYAMA	a02792780b4c	TortoiseUtils: delete unused GetTortoiseIconA		28 days ago
 Toshi MARUYAMA	d073e163d84a	Unicode porting of icon		2011-07-26

**#5 - 2011-09-05 14:31 - Etienne Massip**

I agree with Toshi ; moreover that would be easier to integrate into existing revision / change list.

**#6 - 2011-09-05 15:02 - Toshi MARUYAMA**

- Subject changed from Adding visual merge/branch history to repository view to Git: Adding visual merge/branch history to repository view

**#7 - 2011-09-05 20:52 - Jan Topiński**

Toshi I also like vertical graph. I will try to make one like this for revision/revisions page.

**#8 - 2011-09-06 09:12 - Jan Topiński**

- File vertical-graph.png added

So, I made one with no to-the-right-align. I did not do it cause I don't like it and it is some more work ;) let me know if you like this version. I know that line curve is not ideal and I am aware of some other bugs like margin problem, it is still just a prototype.

vertical-graph.png

**#9 - 2011-09-06 09:20 - Etienne Massip**

Very nice, indeed!

**#10 - 2011-09-06 09:51 - Toshi MARUYAMA**

- Status changed from New to 7

- Assignee set to Toshi MARUYAMA

**#11 - 2011-09-06 15:13 - Toshi MARUYAMA**

- File *fix\_typo\_changeset\_parents.diff* added

There is table name typo 'changesets\_parents'.  
It seems that 'changeset\_parents' is correct.  
This patch fixes it.

**#12 - 2011-09-10 11:27 - Jan Topiński**

Thanks Toshi patch applied.

**#13 - 2011-09-13 11:32 - Sylvain Berfini**

Hi. It would be nice to make a plugin for this for the redmine branch. Thanks !

**#14 - 2011-10-21 11:28 - Toshi MARUYAMA**

- Subject changed from *Git: Adding visual merge/branch history to repository view* to *Git: Mercurial: Adding visual merge/branch history to repository view*

**#15 - 2011-11-03 12:42 - Toshi MARUYAMA**

- Target version set to 1.3.0  
- % Done changed from 0 to 100

**#16 - 2011-12-01 10:57 - Toshi MARUYAMA**

- File *the-shellext.png* added

## Limitations

### Before Redmine 1.2 database data

thg-shellext.png  
Fetching revisions before Redmine 1.2 does not have parents revisions.  
So, there is no lines between revisions.

If you want to draw lines all revisions,  
You need to reset repository.

There is a issue for re-syncing repository (#1273).

### Git revision order

Redmine between 0.9 and 1.1 has git database inconsistency ([#5357](#)).  
Redmine 1.3 git order is date order due to historical reasons.  
So, git revision graph is sometimes strange.

**#17 - 2011-12-01 10:58 - Toshi MARUYAMA**

- File deleted (*the-shellext.png*)

**#18 - 2011-12-01 10:59 - Toshi MARUYAMA**

- File *thg-shellext.png* added

**#19 - 2011-12-01 12:00 - Toshi MARUYAMA**

- Status changed from 7 to Closed  
- Resolution set to Fixed

If you have bugs or improvements, please create new issues.

### Files

branch-graph-redmine.png	102 KB	2011-09-05	Jan Topiński
branch-graph-redmine.png	102 KB	2011-09-05	Jan Topiński
bitbucket-thg-shellext.png	109 KB	2011-09-05	Toshi MARUYAMA
vertical-graph.png	248 KB	2011-09-06	Jan Topiński
fix_typo_changeset_parents.diff	1.53 KB	2011-09-06	Toshi MARUYAMA
thg-shellext.png	180 KB	2011-12-01	Toshi MARUYAMA