

Redmine - Feature #2009

Manually add related revisions

2008-10-08 17:41 - Geoffrey Sneddon

Status:	Closed	Start date:	2008-10-08
Priority:	Normal	Due date:	
Assignee:	Jean-Philippe Lang	% Done:	0%
Category:	SCM	Estimated time:	0.00 hour
Target version:	1.4.0		
Resolution:	Fixed		
Description			
Currently the only way to add a related revision to a ticket is through a magic string in the commit message — it would be nice to be able to add related revisions after the commit is made manually, as sometimes magic strings are forgotten. :)			
Related issues:			
Related to Redmine - Patch #7959: Patch for repository revision update (reload)		New	2011-03-22
Has duplicate Redmine - Feature #3751: Associate Revisions with Issues afterw...		Closed	2009-08-18
Has duplicate Redmine - Feature #5001: Manually link commits to issues		Closed	2010-03-06
Has duplicate Redmine - Feature #6400: Manually link a commit/revision to a t...		Closed	2010-09-15
Has duplicate Redmine - Feature #6444: Manually add related revisions to issues		Closed	2010-09-20
Has duplicate Redmine - Feature #8172: Manual reference commits to issues		Closed	2011-04-18

Associated revisions

Revision 8777 - 2012-02-05 11:56 - Jean-Philippe Lang

Adds a "Manage related issues" permission to add/remove commits/issues relations manually from the changeset view (#2009).

History

#1 - 2008-10-08 19:33 - Thomas Lecavelier

That's a very good idea, and I think it's a must have.

For the presentation, I'm thinking about a modification of the UI around the "relations" DIV, which should become something like "related issues and commits".

Any thoughts about it?

#2 - 2008-10-08 21:29 - Geoffrey Sneddon

Yeah, that'd be my thought for UI too.

#3 - 2008-10-08 21:51 - Mischa The Evil

In essence this would be quite simple to implement since the issue-relation is simply stored in the DB-table changesets_issues containing two fields: changeset_id and issue_id.

I already tried a quick thing by modifying the respective views, though I got caught by scoping-limitations.

I'll try to come up with something as soon as I have working RDoc-documentation of Redmine....

#4 - 2008-10-10 02:18 - Eric Davis

+1 I'd like this also and can work with you on the UI for it Mischa.

#5 - 2008-12-08 16:27 - Mischa The Evil

- Category set to Issues

- Status changed from New to 7

- Assignee set to Mischa The Evil

#6 - 2009-05-01 11:36 - Daniel N

+1 This would be very helpful and would improve the workflow while working with "related" revisions. Implementation similar like related tickets would

be great. If the linked revisions might be integrated in the ticket "history" like [#3046](#) suggests the ticket/revision workflow would be perfect :-)

#7 - 2009-05-28 21:41 - Jens Goldhammer

+1

#8 - 2009-08-07 19:08 - Jacob Moen

I have forgetful developers, so I would really like to have the option of adding related revisions manually. :)
Of course, one could always use SVN revision history lists and phpMyAdmin..
Plus one from me.

#9 - 2009-08-10 06:54 - Thomas Pihl

+1

#10 - 2009-08-12 20:25 - André H.

Is there anyway to get this as a feature for Redmine 0.9?
It would really be great and is a must have feature.

#11 - 2009-08-13 07:49 - Thomas Lecavelier

André H. wrote:

Is there anyway to get this as a feature for Redmine 0.9?
It would really be great and is a must have feature.

Of course there is: help Mischa to right the patch, test it, submit it. :)

#12 - 2009-08-13 09:49 - Jan Losinski

+1

#13 - 2009-08-13 18:00 - Jacob Moen

If there is a patch for this, I assume it's against trunk (HEAD) - could someone link to the patch or attach it here, so we can test it? :)

I use a pre-commit hook to prevent my developers commit without referencing an issue ID, but - unfortunately - some devs just reference a catch-all issue number, like *Gui Work*.
It would be great to go back and manually add related commits to tickets, especially for tickets created after the commit is made.

#14 - 2009-08-13 22:27 - Mischa The Evil

Jacob Moen wrote:

If there is a patch for this, I assume it's against trunk (HEAD) - could someone link to the patch or attach it here, so we can test it? :)

No patches exist yet to be honest...

Mischa The Evil wrote:

In essence this would be quite simple to implement since the issue-relation is simply stored in the DB-table `changesets_issues` containing two fields: `changeset_id` and `issue_id`.

I already tried a quick thing by modifying the respective views, though I got caught by scoping-limitations.

I've been pretty busy last months and haven't had enough time to actually code something for this. Though I have been *thinking* about how to work this thing out using the earlier noted db-field contents. It seems one thing is still questionable:

- should we be able to delete related revisions also?
 - If yes: should we implement removal options for automatically added related revision too?

Does someone has any other ideas?

Note: I've assigned the issue to myself to keep myself reminded to it. I *think* I'm able to come up with something as soon as I get some more spare-time to actually start on this. It does not mean that I've "claimed" the issue. I don't have working code to solve this issue yet [*sic*] you can re-assign it to yourself if you are also working on something for this issue and for example already have some working code :-)

Kind regards,

Mischa.

#15 - 2009-08-14 08:33 - André H.

I think one should be able to delete related revisions. People tend to make mistakes, so they need a chance to correct them :)
I'm not sure about automatically added revisions. On the one hand it can be helpful, but on the other hand the commit-message would be inconsistent.

#16 - 2009-08-21 19:55 - Jan Losinski

- *File manual-changeset-relation.patch added*

I have build a patch to bring this feature to redmine. It creates a related revision list like the related issue list with the same add/remove capabilities.

The changes are also availsable at [GitHub](#) in my [manual-changeset-relation](#) branch.

#17 - 2009-09-07 15:13 - Metin Doslu

Geoffrey Sneddon wrote:

Currently the only way to add a related revision to a ticket is through a magic string in the commit message — it would be nice to be able to add related revisions after the commit is made manually, as sometimes magic strings are forgotten. :)

What is this a magic string in the commit message? Revision numbers are not visible at my issue pages.
Thanks.

#18 - 2009-09-09 20:59 - Adam Piotr Żochowski

Metin Doslu wrote:

Geoffrey Sneddon wrote:

Currently the only way to add a related revision to a ticket is through a magic string in the commit message — it would be nice to be able to add related revisions after the commit is made manually, as sometimes magic strings are forgotten. :)

What is this a magic string in the commit message? Revision numbers are not visible at my issue pages.
Thanks.

click administration -> settings -> repositories .

There you will find two entries: 'Referencing keywords' and 'Fixing keywords'. You can change them to match your country preference. Keywords are comma separated. In the commit message use space between keyword and issue number (good: "" refs [#1234](#) "" bad: "" refs#1234 "")

Kind regards

Adam Żochowski

#19 - 2009-09-29 17:18 - micah anderson

Jacob Moen wrote:

I use a pre-commit hook to prevent my developers commit without referencing an issue ID, but - unfortunately - some devs just reference a catch-all issue number, like *Gui Work*.

Nice, care to share that hook? :)

#20 - 2009-09-29 17:38 - micah anderson

I wanted to test this patch, but I am not running the latest code, but rather the stable version, so I tried to port this patch to 0.8.6, but in the end it failed with the following:

```
ActionView::TemplateError (undefined method `relations' for nil:NilClass) on line #81 of issues/show.rhtml:
78: </div>
79: <% end %>
80:
81: <% if !@project.repository.nil? && (authorize_for('changeset_relations', 'new') || @changesets.relations.any?) %>
82: <hr />
83: <div id="changeset_list">
84: <%= render :partial => 'changeset_list', :locals => { :changesets => @changesets } %>
```

I guess I have to either upgrade to trunk, or wait for this.

#21 - 2009-09-30 20:03 - Oxan -

- File *redmine.patch* added

I've successful backported the patch to 0.8.4. I guess it's working for 0.8.5 and higher too.

#22 - 2009-09-30 20:14 - Oxan -

- File *redmine.patch* added

Excuse me, there went something wrong with the diff.

#23 - 2009-10-01 02:41 - Alex Bevilacqua

Just patched the latest trunk ([r2902](#)), and there's only 1 error, so thought I'd post the results:

```
alex@lnx-vm-web01:~/redmine$ patch -p1 < manual-changeset-relation.patch
patching file app/controllers/changeset_relations_controller.rb
patching file app/helpers/changeset_relations_helper.rb
patching file app/views/changeset_relations/_form.html.erb
patching file app/views/issues/_changeset_list.rhtml
patching file app/views/issues/show.rhtml
patching file config/locales/de.yml
Hunk #1 FAILED at 833.
1 out of 1 hunk FAILED -- saving rejects to file config/locales/de.yml.rej
patching file config/locales/en.yml
Hunk #1 succeeded at 827 (offset 23 lines).
patching file db/migrate/20090821144826_add_manage_changeset_relations_permission.rb
patching file lib/redmine.rb
patching file test/functional/changeset_relations_controller_test.rb
```

FYI ... this works *PERFECTLY*. I think this is something that should make it's way into the trunk, as there are several projects I keep in redmine that i'm working on/from that I don't always have commit access to (but am watching the trunk), or come onto the project late and want to associate old revisions to current issues for reference.

Good work!

#24 - 2009-10-01 03:33 - micah anderson

Oxan ... wrote:

Excuse me, there went something wrong with the diff.

This patch worked for me against 0.8.6 and it seems to do exactly what is needed. The only thing I noticed that might be an improvement, but should not hold this back from being accepted (especially since this may be a limitation in redmine, and not the patch itself), would be to accept the short form commit IDs. For example, with a git repository, the repository viewer represents the short form of the commit ids in the Revision column, e.g. 'c9018585', when you click on that short-form, you get the longer one in the URL: 'https://site.domain.com/code/repositories/revision/repository/c9018585d69b3682008fbad7e4b8f44c6bab5152'

Would be nice to be able to just grab that short form and put it in as an association.

#25 - 2009-10-01 18:36 - micah anderson

An update to this issue... some users are reporting problems when clicking on issues. I am not having these issues, which is odd, but more than one person is and I see a traceback in the logs when they click on an issue and get an Internal Server Error (oddly, I do not get it myself). this is what is reported in the log:

```
Processing IssuesController#show (for 190.55.190.151 at 2009-10-01 09:36:04) [GET]
  Session ID: 3a903ef59b636180b874551b10c75149
  Parameters: {"action"=>"show", "id"=>"1296", "controller"=>"issues"}
Rendering template within layouts/base
Rendering issues/show.rhtml
```

```
ActionView::TemplateError (undefined method `relations' for #<Class:0x41232878>) on line #81 of issues/show.rhtml:
78: </div>
79: <% end %>
80:
81: <% if !@project.repository.nil? && (authorize_for('changeset_relations', 'new') || @issue.changesets.relations.any?) %>
```

```

82: <hr />
83: <div id="changeset_list">
84: <%= render :partial => 'changeset_list', :locals => { :changesets => @issue.changesets } %>

/var/lib/gems/1.8/gems/activerecord-2.1.2/lib/active_record/base.rb:1672:in `method_missing'
/var/lib/gems/1.8/gems/activerecord-2.1.2/lib/active_record/associations/association_collection.rb:288:in
`send'
/var/lib/gems/1.8/gems/activerecord-2.1.2/lib/active_record/associations/association_collection.rb:288:in
`method_missing'
/var/lib/gems/1.8/gems/activerecord-2.1.2/lib/active_record/base.rb:1857:in `with_scope'
/var/lib/gems/1.8/gems/activerecord-2.1.2/lib/active_record/associations/association_proxy.rb:164:in `send'
,
/var/lib/gems/1.8/gems/activerecord-2.1.2/lib/active_record/associations/association_proxy.rb:164:in `with
_scope'
/var/lib/gems/1.8/gems/activerecord-2.1.2/lib/active_record/associations/association_collection.rb:284:in
`method_missing'
app/views/issues/show.rhtml:81:in `_run_erb_47app47views47issues47show46rhtml'
/var/lib/gems/1.8/gems/actionpack-2.1.2/lib/action_view/base.rb:342:in `send'
/var/lib/gems/1.8/gems/actionpack-2.1.2/lib/action_view/base.rb:342:in `execute'
/var/lib/gems/1.8/gems/actionpack-2.1.2/lib/action_view/template_handlers/compilable.rb:29:in `send'
/var/lib/gems/1.8/gems/actionpack-2.1.2/lib/action_view/template_handlers/compilable.rb:29:in `render'
/var/lib/gems/1.8/gems/actionpack-2.1.2/lib/action_view/template.rb:35:in `render'
/var/lib/gems/1.8/gems/actionpack-2.1.2/lib/action_view/template.rb:22:in `render_template'
/var/lib/gems/1.8/gems/actionpack-2.1.2/lib/action_view/base.rb:248:in `render_file'
/var/lib/gems/1.8/gems/actionpack-2.1.2/lib/action_controller/base.rb:1112:in `render_for_file'
/var/lib/gems/1.8/gems/actionpack-2.1.2/lib/action_controller/base.rb:872:in `render_with_no_layout'
/var/lib/gems/1.8/gems/actionpack-2.1.2/lib/action_controller/layout.rb:251:in `render_without_benchmark'
/var/lib/gems/1.8/gems/actionpack-2.1.2/lib/action_controller/benchmarking.rb:51:in `render'
/var/lib/gems/1.8/gems/activesupport-2.1.2/lib/active_support/core_ext/benchmark.rb:8:in `realtime'
/var/lib/gems/1.8/gems/actionpack-2.1.2/lib/action_controller/benchmarking.rb:51:in `render'
app/controllers/issues_controller.rb:108:in `show'
/var/lib/gems/1.8/gems/actionpack-2.1.2/lib/action_controller/mime_responds.rb:131:in `call'
/var/lib/gems/1.8/gems/actionpack-2.1.2/lib/action_controller/mime_responds.rb:131:in `custom'
/var/lib/gems/1.8/gems/actionpack-2.1.2/lib/action_controller/mime_responds.rb:160:in `call'
/var/lib/gems/1.8/gems/actionpack-2.1.2/lib/action_controller/mime_responds.rb:160:in `respond'
/var/lib/gems/1.8/gems/actionpack-2.1.2/lib/action_controller/mime_responds.rb:154:in `each'
/var/lib/gems/1.8/gems/actionpack-2.1.2/lib/action_controller/mime_responds.rb:154:in `respond'
/var/lib/gems/1.8/gems/actionpack-2.1.2/lib/action_controller/mime_responds.rb:107:in `respond_to'
app/controllers/issues_controller.rb:107:in `show'
/var/lib/gems/1.8/gems/actionpack-2.1.2/lib/action_controller/base.rb:1166:in `send'
/var/lib/gems/1.8/gems/actionpack-2.1.2/lib/action_controller/base.rb:1166:in `perform_action_without_filt
ers'
/var/lib/gems/1.8/gems/actionpack-2.1.2/lib/action_controller/filters.rb:579:in `call_filters'
/var/lib/gems/1.8/gems/actionpack-2.1.2/lib/action_controller/filters.rb:572:in `perform_action_without_be
nchmark'
/var/lib/gems/1.8/gems/actionpack-2.1.2/lib/action_controller/benchmarking.rb:68:in `perform_action_withou
t_rescue'
/usr/lib/ruby/1.8/benchmark.rb:293:in `measure'
/var/lib/gems/1.8/gems/actionpack-2.1.2/lib/action_controller/benchmarking.rb:68:in `perform_action_withou
t_rescue'
/var/lib/gems/1.8/gems/actionpack-2.1.2/lib/action_controller/rescue.rb:201:in `perform_action_without_cac
hing'
/var/lib/gems/1.8/gems/actionpack-2.1.2/lib/action_controller/caching/sql_cache.rb:13:in `passenger_orig_p
erform_action'
/var/lib/gems/1.8/gems/activerecord-2.1.2/lib/active_record/connection_adapters/abstract/query_cache.rb:33
:in `cache'
/var/lib/gems/1.8/gems/activerecord-2.1.2/lib/active_record/query_cache.rb:8:in `cache'
/var/lib/gems/1.8/gems/actionpack-2.1.2/lib/action_controller/caching/sql_cache.rb:12:in `passenger_orig_p
erform_action'
/usr/lib/ruby/1.8/phusion_passenger/railz/request_handler.rb:64:in `perform_action'
/var/lib/gems/1.8/gems/actionpack-2.1.2/lib/action_controller/base.rb:529:in `send'
/var/lib/gems/1.8/gems/actionpack-2.1.2/lib/action_controller/base.rb:529:in `process_without_filters'
/var/lib/gems/1.8/gems/actionpack-2.1.2/lib/action_controller/filters.rb:568:in `process_without_session_m
anagement_support'
/var/lib/gems/1.8/gems/actionpack-2.1.2/lib/action_controller/session_management.rb:130:in `process'
/var/lib/gems/1.8/gems/actionpack-2.1.2/lib/action_controller/base.rb:389:in `process'
/var/lib/gems/1.8/gems/actionpack-2.1.2/lib/action_controller/dispatcher.rb:149:in `handle_request'
/var/lib/gems/1.8/gems/actionpack-2.1.2/lib/action_controller/dispatcher.rb:107:in `dispatch'
/var/lib/gems/1.8/gems/actionpack-2.1.2/lib/action_controller/dispatcher.rb:104:in `synchronize'
/var/lib/gems/1.8/gems/actionpack-2.1.2/lib/action_controller/dispatcher.rb:104:in `dispatch'
/var/lib/gems/1.8/gems/actionpack-2.1.2/lib/action_controller/dispatcher.rb:120:in `dispatch_cgi'
/var/lib/gems/1.8/gems/actionpack-2.1.2/lib/action_controller/dispatcher.rb:35:in `dispatch'
/usr/lib/ruby/1.8/phusion_passenger/railz/request_handler.rb:49:in `process_request'
/usr/lib/ruby/1.8/phusion_passenger/abstract_request_handler.rb:206:in `main_loop'
/usr/lib/ruby/1.8/phusion_passenger/railz/application_spawner.rb:376:in `start_request_handler'

```

```
/usr/lib/ruby/1.8/phusion_passenger/railz/application_spawner.rb:334:in `handle_spawn_application'
/usr/lib/ruby/1.8/phusion_passenger/utils.rb:182:in `safe_fork'
/usr/lib/ruby/1.8/phusion_passenger/railz/application_spawner.rb:332:in `handle_spawn_application'
/usr/lib/ruby/1.8/phusion_passenger/abstract_server.rb:351:in `__send__'
/usr/lib/ruby/1.8/phusion_passenger/abstract_server.rb:351:in `main_loop'
/usr/lib/ruby/1.8/phusion_passenger/abstract_server.rb:195:in `start_synchronously'
/usr/lib/ruby/1.8/phusion_passenger/abstract_server.rb:162:in `start'
/usr/lib/ruby/1.8/phusion_passenger/railz/application_spawner.rb:213:in `start'
/usr/lib/ruby/1.8/phusion_passenger/spawn_manager.rb:261:in `spawn_rails_application'
/usr/lib/ruby/1.8/phusion_passenger/abstract_server_collection.rb:126:in `lookup_or_add'
/usr/lib/ruby/1.8/phusion_passenger/spawn_manager.rb:255:in `spawn_rails_application'
/usr/lib/ruby/1.8/phusion_passenger/abstract_server_collection.rb:80:in `synchronize'
/usr/lib/ruby/1.8/phusion_passenger/abstract_server_collection.rb:79:in `synchronize'
/usr/lib/ruby/1.8/phusion_passenger/spawn_manager.rb:254:in `spawn_rails_application'
/usr/lib/ruby/1.8/phusion_passenger/spawn_manager.rb:153:in `spawn_application'
/usr/lib/ruby/1.8/phusion_passenger/spawn_manager.rb:286:in `handle_spawn_application'
/usr/lib/ruby/1.8/phusion_passenger/abstract_server.rb:351:in `__send__'
/usr/lib/ruby/1.8/phusion_passenger/abstract_server.rb:351:in `main_loop'
/usr/lib/ruby/1.8/phusion_passenger/abstract_server.rb:195:in `start_synchronously'
/usr/lib/phusion_passenger/passenger-spawn-server:61
```

Rendering /usr/apps/redmine/public/500.html (500 Internal Server Error)

#26 - 2009-10-01 18:56 - micah anderson

Further information about this problem... it seems like it happens **only** when you are **not** signed in. If you are logged in, everything works fine, but for those who are not logged in, you get this error.

#27 - 2009-10-05 10:04 - Daniel N

+1 for this into redmine

#28 - 2009-10-07 17:19 - Alex Bevilacqua

I just noticed this after applying the patch. There should be a check in the code to see if the project the issue belongs to even has an SCM method associated with it. If no SCM exists, there shouldn't be an option to add related revisions.

#29 - 2009-10-10 02:02 - Jacob Moen

micah anderson wrote:

Jacob Moen wrote:

I use a pre-commit hook to prevent my developers commit without referencing an issue ID, but - unfortunately - some devs just reference a catch-all issue number, like *Gui Work*.

Nice, care to share that hook? :)

I grabbed it from **Bloomquists in the Blagosphere** -> [Subversion pre-commit hook for Redmine](#)
It served us well when we were using SVN. :)

#30 - 2009-10-14 10:45 - Christian Zagrodnick

+1!

#31 - 2009-10-19 16:53 - micah anderson

Oxan,

Do you get the traceback mentioned above on your 0.8 redmine with your patch for associating revisions when you are not logged in?

Do other people get that traceback when not logged in, using the latest trunk?

#32 - 2009-10-21 17:25 - Oxan -

micah anderson wrote:

Oxan,

Do you get the traceback mentioned above on your 0.8 redmine with your patch for associating revisions when you are not logged in?

Do other people get that traceback when not logged in, using the latest trunk?

I get that error too. However, I don't use anonymous access, so I didn't noticed it. A quick fix is replacing that line with:
<% if !@project.repository.nil? && authorize_for('changeset_relations', 'new') && @issue.changesets.relations.any?) %>

I don't know enough about Ruby and Redmine to create a full fix.

#33 - 2009-10-21 17:57 - Oxan -

- File redmine-08x-new.patch added

Well, I've found the real fix.

Replace line 81 of redmine/app/views/issues/show.rhtml with this one:

```
<% if !@project.repository.nil? && authorize_for('changeset_relations', 'new') && @issue.changesets.any?) %>
```

Attached is the new patch for a clean 0.8.x installation.

#34 - 2009-10-22 02:19 - micah anderson

Thanks for fixing that Oxan! It works good for me, with my 0.8 install!

#35 - 2009-11-26 13:15 - Mischa The Evil

Jan Losinski wrote:

I have build a patch to bring this feature to redmine. It creates a related revision list like the related issue list with the same add/remove capabilities.

I'm currently working on an enhancement of the [manual-changeset-relation.patch](#) by Jan Losinski to improve the UI-part of the patch. I'll post my results on this issue later.

Kind regards,

Mischa.

#36 - 2009-11-27 01:59 - Mischa The Evil

- File manage_changeset_relations-expected_error.jpg added

- File manually_add_remove_related_changesets-new-r3078.patch added

- File manual_changeset_relation.jpg added

- File manage_changeset_relations-without_permission.jpg added

- File manage_changeset_relations.jpg added

- File manage_changeset_relations-add.jpg added

- File manage_changeset_relations-added_195.jpg added

Mischa The Evil wrote:

Jan Losinski wrote:

I have build a patch to bring this feature to redmine. It creates a related revision list like the related issue list with the same add/remove capabilities.

I'm currently working on an enhancement of the [manual-changeset-relation.patch](#) by Jan Losinski to improve the UI-part of the patch. I'll post my results on this issue later.

Here are my results after a first tweaking-session on the patch provided by Jan Losinski to:

- rebase the patch to current Redmine trunk
- remove the view duplication of the "Associated revisions" list
- clean the UI after removal of the view-duplication
- first try to fix/improve/add english translation correctly (TODO)

What I've kept the same is the design with a dedicated changeset_relations_controller with two action-methods (new and destroy). Besides that I also haven't changed the dedicated permission-migration (setup).

Here are some screenies which will be the easiest way to explain the changes and differences:

- Reference (Jan's [manual-changeset-relation.patch](#) from [note 16](#)):

manual_changeset_relation.jpg

- Modified patch - without the "manage changeset relations"-permission:

manage_changeset_relations-without_permission.jpg

- Modified patch - with the "manage changeset relations"-permission:

manage_changeset_relations.jpg

- Modified patch - with the "manage changeset relations"-permission, adding a new associated revision:

manage_changeset_relations-add.jpg

- Modified patch - with the "manage changeset relations"-permission, successfully added new associated revision 195:

manage_changeset_relations-added_195.jpg

- Modified patch - with the "manage changeset relations"-permission, failed adding a revision (500) which doesn't exist in the *projects* repository (**with translation error**):

manage_changeset_relations-expected_error.jpg

I have attached the patch file created against [source:/trunk@3078](#) as [manually_add_remove_related_changesets-new-r3078.patch](#). I have also posted the patch as a gist on github to make it as easy as possible for everyone to improve this patch any further. You can find (and fork :) it here: <http://gist.github.com/243721>.

Please let me know how you think about it?

#37 - 2009-12-08 02:40 - Mischa The Evil

Mischa The Evil wrote:

[...]

Please let me know how you think about it?

Any feedback already??? I'm pretty curious about the general opinion about the way I've changed the patch/core to fit the feature into the Redmine UI nicely.

#38 - 2009-12-08 15:15 - Alex Bevilacqua

Mischa The Evil wrote:

Mischa The Evil wrote:

[...]

Please let me know how you think about it?

Any feedback already??? I'm pretty curious about the general opinion about the way I've changed the patch/core to fit the feature into the Redmine UI nicely.

I just reverted my redmine trunk to wipe the old changeset patch so I could apply the one you provided (and it works perfect with patch -p0 < patchfile). The UI changes are nice, but I'm not sure how I'm supposed to associate a revision to an issue if there aren't any revisions already. In the old patch, the **Associated Revisions** section was always there (with an *add* button), but in this one, if there are no revisions, there's no way to add them (without doing it directly in a commit message).

Please correct me if I've missed something :P

#39 - 2009-12-08 23:01 - Josh Galvez

Mischa,
Your patch also applies fine against [r3135](#).

Though, I have the same concern as Alex, there is no way to add a revision when there aren't any associated to begin with.

#40 - 2010-03-01 05:15 - Rafael Diaz-Tushman

For anyone who is interested in having this capability EVEN WHEN the issue doesn't have any associated revisions to begin with, I did this:

1. edit the file `app/views/issues/show.rhtml`
2. Delete the line: `<% if @changesets.any? %>`
3. and its pair: `<% end %>`

After you have applied this thread's patch and made the above changes, then your `show.rhtml` will look like this:

```
<div id="issue-changesets">
<div class="contextual">
<% if authorize_for('changeset_relations', 'new') %>
  <%= toggle_link l(:button_add), 'new-changeset-form'%>
<% end %>
</div>

<h3><%=l(:label_associated_revisions)%></h3>

<div id="issue-changesets-list">
<%= render :partial => 'changesets', :locals => { :changesets => @changesets } %>
</div>
</div>
```

Yes, this means the header "Associated revisions" will display no matter what, but who cares... so does the header "Watchers" and "Related Issues"!

Cheers!

#41 - 2010-03-01 05:18 - Rafael Diaz-Tushman

- File `show.rhtml` added

I'm attaching my version of the file: `show.rhtml`
in case this is easier for you then searching for the text to delete

Cheers!

#42 - 2010-05-06 21:27 - Alex Bevilacqua

I wonder if we could get this into 0.9.5 ... it's a pretty useful feature ... :)

#43 - 2010-05-13 12:23 - Joseph S.

Another vote for this feature. Please try to get this patch in to 1.0. Thanks!

#44 - 2010-06-01 02:07 - Mischa The Evil

- File `manually_add_remove_related_changesets-new-r3764.patch` added

Here comes an updated version of the patch [manually_add_remove_related_changesets-new-r3078.patch](#), which I've posted in [#note-36](#) (which is a refactoring of the patch [manual-changeset-relation.patch](#) provided by Jan Losinski in [#note-16](#)).

Changelog:

- Rebased against Redmine Trunk [r3764](#)
- Fixed issue of not being able to associate a first revision to the issue due to missing partial mentioned by Alex Bevilacqua ([#note-38](#)) and Josh Galvez ([#note-39](#)).
 - This fix superseeds/incorporates the changes from Rafael Diaz-Tushman in [#note-40](#) and [#note-41](#)
 - Now, the "associated revisions" *block* is rendered if:
 - `!@project.repository.nil?` AND
 - `@changesets.present?` OR `authorize_for('changeset_relations', 'new')`
 - Thus the *block* is rendered **only** if the current issues project has a linked repository **and**, the current issue already has associated revisions **or** the current users role has the permission to manually add/remove associated revisions.
- Fixed CSS-style to handle the "always available" associated-revisions partial a bit more sophisticated
- Fixed i18n error in notice about non-existing revision while adding issue/changeset-association
- Bumped the timestamp of the DB-migration
- Improved code markup

Known issues / Notes:

- This patch contains a DB-migration which sets-up the permissions after initial apply of the patch
- The concept of this patch might not be what you expect from it¹

- By design this patch is implemented in such way that if the issues project repository is deleted, then the manually added (or removed) issue/changeset-associations are also removed **without a way to restore (including removal of commit-message associations) the associations automatically**. Only the associations created via keywords in commit-messages are automatically restored when the same repository is reloaded into the Redmine project¹

Download:

- I'll attach the new version of the patch, created against [source/trunk@3764](#) as [manually_add_remove_related_changesets-new-r3764.patch](#).
- I have also updated the gist on github to reflect the changes. You can find (and fork :) it here: <http://gist.github.com/243721>.

¹ As discussed on IRC:

```
[31-05-10 22:21:27] <thegcat> Mischa_The_Evil: the problem I see isn't with a patch but with the concept: issues have a unique ID and can related to from any revision (or at least from any repository in the project of the issue IIRC), revisions don't and are unique only in the context of a project
[31-05-10 22:21:48] <thegcat> haven't read that far in to be honest
[31-05-10 22:24:24] <meineerde> wouldn't it be sufficient to be able to re-read some of the repository history (as done for git iirc)
[31-05-10 22:27:27] <+Mischa_The_Evil> thegcat: That's covered in the patch I have. It does not allow new relations from an issue to revisions which do not belong to the SCM of the issues project.
[31-05-10 22:27:55] <thegcat> and deleting the automatically created ones would imply to save this deletion somewhere so as not to recreate them in the event the repo is deleted/added anew
[31-05-10 22:29:25] <+Mischa_The_Evil> thegcat: that's not covered as so. it is possible though to easily restore the automatically created ones by re-init of the repo as a whole...
[31-05-10 22:30:53] <meineerde> Mischa_The_Evil: What would happen if you migrate / change repos? e.g. switch from svn to git?
[31-05-10 22:31:26] <+Mischa_The_Evil> thegcat: note that the "power" to manually manage the relations is limited to a new permission which should be given to users with care... :wink:
[31-05-10 22:31:47] <thegcat> Mischa_The_Evil: mmh, I'd be "surprised" if I could reference any issue from the project tree from the revisions and only the project's own revisions from the issue
[31-05-10 22:35:51] <thegcat> anyhow, I think this deserves discussion: status quo, some means to re-read SCM logs or the ability to manually create issue-commit relations? if the latter on what terms?
[31-05-10 22:39:26] <+Mischa_The_Evil> thegcat: that is indeed right... :) ps: I've uploaded the updated patch for 2009 to gist: http://gist.github.com/243721
[31-05-10 22:44:57] <+Mischa_The_Evil> meineerde: good question about the scm-migration... don't know yet... devving it using svn only upto now...
[31-05-10 22:45:10] <+Mischa_The_Evil> meineerde: :shame: lol
[31-05-10 22:47:16] <meineerde> Mischa_The_Evil: what I actually tried to say: the changeset ids are probably not very stable. Each new import of the same repo generates new changeset ids.
[31-05-10 22:48:14] <meineerde> so the manual references have to be tied to the actual repository and have to be deleted if the repo goes away. might not be what the user expects, as these could not be easily regenerated.
[31-05-10 22:52:50] <+Mischa_The_Evil> meineerde: that's the same issue as thegcat mentioned I assume. That is indeed true and needs to be discussed certainly...
[31-05-10 22:53:42] <meineerde> Mischa_The_Evil: you are right.
```

#45 - 2010-07-01 13:55 - Kennon Ballou

+1!

#46 - 2010-07-31 20:06 - Rafael Diaz-Tushman

I'm still using Redmine 0.9.4.devel.3764 (MySQL) just so that I can keep this patch - it's a critical feature for our Redmine installation. However, I'd like to upgrade to 1.0

Could somebody confirm that this feature is in 1.0 before I attempt to upgrade?

Cheers!

#47 - 2010-08-01 04:40 - Mischa The Evil

- Assignee deleted (Mischa The Evil)

Rafael Diaz-Tushman wrote:

Could somebody confirm that this feature is in 1.0 before I attempt to upgrade?

It is not. This issue ([#2009](#)) is not closed nor resolved (against [1.0.0 \(RC\)](#)) either.

To be clear, I'm currently not actively maintaining/updating the provided patches. Therefor I'll also remove myself as the assignee of this issue.

#48 - 2010-08-01 04:42 - Mischa The Evil

- Status changed from 7 to Resolved

OT: Can't go to "New" from "Assigned"?? Let's see what the props from "Resolved" are...

#49 - 2010-08-01 04:42 - Mischa The Evil

- Status changed from Resolved to New

Mischa The Evil wrote:

OT: Can't go to "New" from "Assigned"?? Let's see what the props from "Resolved" are...

That worked! :)

#50 - 2010-09-28 05:38 - Be Fio

This would be an excellent feature to include. I made a commit and accidentally forgot to include the magic string. Even though I have a pre-revprop hook to change the svn:log and Redmine revision comment, changing it to the magic string didn't work of course, and neither did deleting the revision out of the database and re-fetching it. I had to manually add the reference in the database, which wasn't too pleasing.

Would be nice to be able to do it from Redmine!

#51 - 2010-10-02 23:49 - Colin Mollenhour

I use both Unfuddle and Redmine and this is the only feature I miss in Redmine.. Someone please update the patches to the latest stable, or preferably, commit this to trunk. Cheers!

#52 - 2010-10-29 14:36 - Damien Couderc

+1

#53 - 2010-11-18 10:30 - Sebastian Roth

+1

May I inquire what is the stopper to include this feature? More testers/developers needed?

#54 - 2010-11-23 10:10 - Damien Couderc

It looks like nobody knows :-)

#55 - 2011-02-10 13:12 - Victor Sergienko

I'd be happy if "associated revisions" were auto-picked up from issue comments.

#56 - 2011-02-10 19:33 - Brian Lindahl

I'd be happy if "associated revisions" were auto-picked up from issue comments.

This sounds tricky and error-prone.. if you reload (delete/add) a repository, the associated revision is lost, unless you rescan all journals (comments) for that project. You also run into a lot of problems how you delete a revision associations via changing the journal - if a repository is reloaded, and a revision association was removed via changing a journal, then this action of deleting a revision association is lost, and the revision association will be re-created (not what you want). You also have problems with how to handle permissions. Anyone who can add issue comments then is capable of adding revision associations.

Personally, I'd prefer a 'reload revision' command. You then edit the commit message in the repository and then click 'reload revision' and it then removes any old associations, and creates new ones. This way, the repository now contains the correct information, and a reload (delete/add) of the repository will produce the ~correct results. Journals are modified to have their text 'Applied in changeset [r49](#)' replaced with 'Applied in changeset [r49](#) (changeset reloaded)', or something like that. To indicate the historical modification of the changeset. I suppose another possibility would be to rollback the journal, providing there aren't any subsequent journals, but this is more dangerous, IMO.

Note that any time logged, done%, or status changes from bad commit messages will have to be manually removed/backed out, but this is no worse than the patch provided above for manually adding/deleting revision associations.

#57 - 2011-03-08 16:38 - Oxan -

- File manual-changeset-relation-1.1.2.patch added

I've forward-ported the patch from Mischa to the current 1.1.2 stable release, see attached file. I guess it applies to trunk too, but I'll only maintain the patch against official stable releases.

For the issues as noted by Brian: it is not possible for all version control systems to change the commit message easily. In SVN you can only change the commit message when you have sysadmin privileges, and for git it isn't possible at all commits, you effectively have to create a new commit, with all merging/rebasing problems. Permissions isn't a problem, the patch just adds two permissions that you can give to and revoke from users.

#58 - 2011-03-08 22:30 - Toshi MARUYAMA

- Category changed from Issues to SCM

#59 - 2011-03-08 22:33 - Toshi MARUYAMA

Oxan - wrote:

I've forward-ported the patch from Mischa to the current 1.1.2 stable release

As I described at <https://www.chiliproject.org/issues/198>,

- There is no test in your patch.
- You should not use "changeset.revision". Please see [#3724](#), [#6681](#).

#60 - 2011-03-22 19:16 - Brian Lindahl

See [#7959](#) for a patch to reload revision commit messages from the repository. This is likely the preferred way to add/remove related revisions, if your SCM allows for commit messages to be edited.

#61 - 2011-03-22 19:17 - Brian Lindahl

Oh, and please relate this issue to [#7959](#).

#62 - 2011-04-18 09:48 - Etienne Massip

- Target version set to Candidate for next major release

#63 - 2011-05-04 17:49 - Ling Li

+1 This feature is very useful as human beings do (and always) make mistakes.

I would like to apply the latest patch against 1.1.2, but wonder

- if the final committed version uses a different database layout, would there be a way to migrate from the current patch?
- if a repository is reloaded (either via the path in [#7959](#), or via deleting the repository and then readding it), would the association be messed up somehow?

#64 - 2011-05-05 17:37 - Brian Lindahl

Ling Li wrote:

- if a repository is reloaded (either via the path in [#7959](#), or via deleting the repository and then readding it), would the association be messed up somehow?

Yes, any manually deleted associations would be re-added back in. This is why the only robust solution, is to fix the commit message (if your SCM allows it) and then reload the revision via [#7959](#).

#65 - 2011-05-23 13:24 - pasquale [:dedalus]

It's a very good idea, I agree!

In the real world, if I want to track all my changes between the years, this functionality should be a little more extensible: for example, on the last years my devs team have being used a folder to commit (for example Projects2010), this years we use Project2011 (we using mercurial, and create new folder on new year for performance raison etc,...).

If bug 1 has a patch committed on project2010 (rev 1 on the server) and this year we are on project2011, "associated revisions" section could be link rev1?

It's great if redmine can permit to add an associated revision statically (for example, on my server rev 1 is on mercurial at `https://hg-2010/projectA/rev1`: then I have to add the link for mercurial changset to "associated revision" section)...

#66 - 2011-08-14 00:50 - Terence Mill

+1

#67 - 2011-09-14 03:47 - Josh Davidson

+1

#68 - 2011-09-15 08:59 - Adam Klinkosz

+1

Add and delete relations. It is sometimes frustrating when I make a mistake and have to do some tricks to fix it. And I have to be fast too, before any

other user refreshes the repository with new commit :)

#69 - 2011-11-22 23:54 - Terence Mill

There is a [plugin](#) now, however this hall be core functionality

#70 - 2012-02-05 12:03 - Jean-Philippe Lang

- Status changed from New to Closed
- Assignee set to Jean-Philippe Lang
- Target version changed from Candidate for next major release to 1.4.0
- Resolution set to Fixed

Feature added in [r8777](#). This requires the new permission "Manage related issues" to be given. Unlike the proposed patch, the associations can be edited from the revision view (easier to reference an issue with a unique id when having cross-project relations).

The same logic applies as when referencing an issue from a commit message (by default, only in the project, subprojects or parent projects. It can be changed to any project by enabling the "Allow issues of all the other projects to be referenced and fixed" setting, introduced with [#3087](#)).

Files

manual-changeset-relation.patch	8.15 KB	2009-08-21	Jan Losinski
redmine.patch	6.97 KB	2009-09-30	Oxan -
redmine.patch	9.42 KB	2009-09-30	Oxan -
redmine-08x-new.patch	9.41 KB	2009-10-21	Oxan -
manage_changeset_relations-expected_error.jpg	56.5 KB	2009-11-27	Mischa The Evil
manually_add_remove_related_changesets-new-r3078.patch	7.13 KB	2009-11-27	Mischa The Evil
manual_changeset_relation.jpg	64 KB	2009-11-27	Mischa The Evil
manage_changeset_relations-without_permission.jpg	47.3 KB	2009-11-27	Mischa The Evil
manage_changeset_relations.jpg	53.6 KB	2009-11-27	Mischa The Evil
manage_changeset_relations-add.jpg	54.3 KB	2009-11-27	Mischa The Evil
manage_changeset_relations-added_195.jpg	49.2 KB	2009-11-27	Mischa The Evil
show.rhtml	4.71 KB	2010-03-01	Rafael Díaz-Tushman
manually_add_remove_related_changesets-new-r3764.patch	8.26 KB	2010-06-01	Mischa The Evil
manual-changeset-relation-1.1.2.patch	8.39 KB	2011-03-08	Oxan -