

## Redmine - Feature #3346

### Support for cross-project revision links

2009-05-12 22:09 - James Wells

<b>Status:</b>	Closed	<b>Start date:</b>	2009-05-12
<b>Priority:</b>	Normal	<b>Due date:</b>	
<b>Assignee:</b>		<b>% Done:</b>	100%
<b>Category:</b>	Text formatting	<b>Estimated time:</b>	0.00 hour
<b>Target version:</b>			
<b>Resolution:</b>	Duplicate		

#### Description

It may sometimes be useful to be able to reference a specific repository revision in one project from another project, for example if an issue is partially addressed by a change in a sub-project. Whereas a revision link can be done with !r1234, a cross-project link could be done with r:project:1234.

The following patch shows how this could be done with relatively little change (although I haven't done much testing as to whether or not it breaks any other linking):

```
Index: app/helpers/application_helper.rb
=====
--- app/helpers/application_helper.rb    (revision 2717)
+++ app/helpers/application_helper.rb    (working copy)
@@ -385,15 +385,25 @@
     #     export:some/file -> Force the download of the file
     # Forum messages:
     #     message#1218 -> Link to message with id 1218
-    text = text.gsub(%r{([\s\(\,\-\>]|^)(!)?(attachment|document|version|commit|source|export|message)?((#|r)(\d+)|(:)([^\s<>][^\s<>]*?"^"+?))}(?=(?=[[:punct:]]\W)|\s|<|$)) do |m|
-      leading, esc, prefix, sep, oid = $1, $2, $3, $5 || $7, $6 || $8
+    text = text.gsub(%r{([\s\(\,\-\>]|^)(!)?(attachment|document|version|commit|source|export|message)?((#|r)(\:[^\s]+|\:)?(\d+)|(:)([^\s<>][^\s<>]*?"^"+?))}(?=(?=[[:punct:]]\W)|\s|<|$)) do |m|
+      leading, esc, prefix, sep, revproj, oid = $1, $2, $3, $5 || $8, $6, $7 || $9
       link = nil
       if esc.nil?
         if prefix.nil? && sep == 'r'
-          if project && (changeset = project.changesets.find_by_revision(oid))
-            link = link_to("r#{oid}", {:only_path => only_path, :controller => 'repositories', :action => 'revision', :id => project, :rev => oid},
+          if revproj.nil?
+            if project && (changeset = project.changesets.find_by_revision(oid))
+              link = link_to("r#{oid}", {:only_path => only_path, :controller => 'repositories', :action => 'revision', :id => project, :rev => oid},
+                :class => 'changeset',
+                :title => truncate_single_line(changeset.comments, 100))
+            end
+          else
+            revproj.gsub!(/\:/, '')
+            link_project = Project.find_by_name(revproj) || Project.find_by_identifier(revproj)
+            if link_project && (changeset = link_project.changesets.find_by_revision(oid))
+              link = link_to("r:#{revproj}:#{oid}", {:only_path => only_path, :controller => 'repositories', :action => 'revision', :id => link_project, :rev => oid},
+                :class => 'changeset',
+                :title => truncate_single_line(changeset.comments, 100))
+            end
+          end
+        elsif sep == '#'
+          oid = oid.to_i
```

#### Related issues:

Related to Redmine - Defect #3087: Revision referring to issues across all pr...

Closed

2009-03-31

Related to Redmine - Feature #779: Multiple SCM per project	<b>Closed</b>	<b>2008-03-04</b>
Related to Redmine - Feature #4052: Cross-project redmine links with alternat...	<b>New</b>	<b>2009-10-19</b>
Has duplicate Redmine - Feature #3216: Reference to a revision from an other ...	<b>Closed</b>	<b>2009-04-21</b>
Is duplicate of Redmine - Feature #7409: Cross project Redmine links	<b>Closed</b>	<b>2011-01-22</b>

## History

### #1 - 2009-05-12 22:14 - James Wells

- File 3346.diff added

Also attached the diff as a file.

### #2 - 2009-08-18 12:39 - Babar O'Cap

- File cross-project\_revision\_and\_commit\_links\_v1.diff added

Thanks James Wells.

I've updated your patch to be compatible with [r2833](#) and fix some bugs on project name with spaces (eg: r:My Project name:52). It's also support cross-project commit links (eg: commit:project:a85130f)

Can we merge this patch with the trunk ?

Maybe I'll be updating others Redmine links to support cross-project links.

### #3 - 2009-08-18 17:22 - Babar O'Cap

- File cross-project\_revision\_and\_commit\_links\_v2.diff added

- % Done changed from 0 to 50

Here a bugs and security fix of my patch

### #4 - 2009-08-18 18:08 - Babar O'Cap

- File cross-project\_revision\_and\_commit\_links\_v2.1.diff added

### #5 - 2009-08-18 21:29 - Mischa The Evil

Thanks for your patches Babar. It seems a useful feature to me...

### #6 - 2009-08-20 09:26 - Babar O'Cap

- File cross-project\_revision\_and\_commit\_links\_v3.diff added

- % Done changed from 50 to 60

### #7 - 2009-08-20 12:31 - Babar O'Cap

- File cross-project\_revision\_and\_commit\_links\_v4.diff added

- % Done changed from 60 to 70

### #8 - 2009-08-21 09:32 - Babar O'Cap

Know bugs : project name and identifier must have at least 3 characters. I'll rework the regular expression to avoid this problem.

### #9 - 2009-08-26 10:27 - Babar O'Cap

- File cross-project\_revision\_and\_commit\_links\_v5.diff added

- % Done changed from 70 to 80

New wiki syntax, more intuitive :

project:r52 -> Link to revision 52 of an other project, using project name or identifier

project:commit:a85130f -> Link to scmid starting with a85130f of an other project, using project name or identifier

If your project name contains spaces, use quotation marks :

"My Project":r52

"My Project":commit:a85130f

Now a project name can have at least 1 character.

**#10 - 2009-08-26 13:26 - James Wells**

Thanks for all the additional work on this, very much appreciated. Let me know if there is anything I can do to help.

**#11 - 2009-10-19 06:03 - William Baum**

James and Babar, that you so much for this.

I really needed cross project source: and export: links, and I also wanted alternate link text instead of "source:/whatever/this/that/file.doc" links, so I have extended your project: syntax to source: and export: links and added the alternate text functionality. I also fixed the source: and export: links so they work properly in email notifications.

I have posted this in Feature [#4052](#).

It seemed enough different to warrant a new Feature, but it's clearly derivative of your work in this issue.

--Bill

**#12 - 2009-11-27 11:36 - Babar O'Cap**

- % Done changed from 80 to 100

**#13 - 2010-04-22 16:10 - Balázs Pozsár**

Was this patch merged upstream?

**#14 - 2010-06-21 09:37 - Babar O'Cap**

Balázs Pozsár wrote:

Was this patch merged upstream?

I don't think so, see issues [#4052](#) to have an updated patch.

**#15 - 2011-09-02 09:16 - Gilles Cornu**

+1. it would be nice that reference commit keywords (like refs, fixes,...) also supports cross-project/SCM.

**#16 - 2011-11-17 21:24 - Anthony Topper**

+1. I would love to see this in the next version.

**#17 - 2012-02-06 22:17 - Jean-Philippe Lang**

- Status changed from New to Closed

- Resolution set to Duplicate

Actually this feature was added in 1.2.0. See [#7409](#).

**Files**

3346.diff	2.26 KB	2009-05-12	James Wells
cross-project_revision_and_commit_links_v1.diff	4.17 KB	2009-08-18	Babar O'Cap
cross-project_revision_and_commit_links_v2.diff	6.68 KB	2009-08-18	Babar O'Cap
cross-project_revision_and_commit_links_v2.1.diff	6.34 KB	2009-08-18	Babar O'Cap
cross-project_revision_and_commit_links_v3.diff	5.3 KB	2009-08-20	Babar O'Cap
cross-project_revision_and_commit_links_v4.diff	12.1 KB	2009-08-20	Babar O'Cap
cross-project_revision_and_commit_links_v5.diff	11.9 KB	2009-08-26	Babar O'Cap