

## Redmine - Patch #9484

### Limit SCM annotate to text files under the maximum file size for viewing

2011-10-28 02:07 - Antonio García-Domínguez

|  |        |                        |            |
|--|--------|------------------------|------------|
| <b>Status:</b>   | Closed | <b>Start date:</b>     | 2011-10-28 |
| <b>Priority:</b>   | Normal | <b>Due date:</b>       |            |
| <b>Assignee:</b>   |        | <b>% Done:</b>         | 0%         |
| <b>Category:</b>   | SCM    | <b>Estimated time:</b> | 0.00 hour  |
| <b>Target version:</b>   | 1.3.0  |                        |            |
| <b>Description</b>   |        |                        |            |
| <p>After recently upgrading to Redmine 1.2.1 + patch <a href="#">#4905</a> and moving from Mongrel 1.1.5 to Passenger 3.0.9 (using Ruby 1.8.7 as packaged in Ubuntu's ruby1.8 1.8.7.249-2 package, for amd64), I started getting rogue processes which used up 100% CPU every now and then. Killing these rogue processes using "kill -SIGABRT pid" produced entries like these:</p>   |        |                        |            |
| <pre>Processing RepositoriesController#annotate (for 10.182.221.1 at 2011-10-28 01:51:08) [GET]   Parameters: {"action"=&gt;"annotate", "id"=&gt;"sources-fm", "path"=&gt;["trunk", "xmleye-1.2.3_svn473-bp elunit_results.tar.gz"], "controller"=&gt;"repositories"} Rendering template within layouts/base Rendering repositories/annotate  ActionView::TemplateError (SIGTERM) on line #17 of app/views/repositories/annotate.rhtml: 14: &lt;table class="filecontent annotate syntaxhl"&gt; 15:   &lt;tbody&gt; 16:     &lt;% line_num = 1 %&gt; 17:     &lt;% syntax_highlight(@path, to_utf8(@annotate.content)).each_line do  line  %&gt; 18:       &lt;% revision = @annotate.revisions[line_num-1] %&gt; 19:       &lt;tr class="bloc-&lt;%= revision.nil? ? 0 : colors[revision.identifier    revision.revision] % &gt;"&gt; 20:         &lt;th class="line-num" id="L&lt;%= line_num %&gt;"&gt;&lt;a href="#L&lt;%= line_num %&gt;"&gt;&lt;%= line_num %&gt;&lt;/ a&gt;&lt;/th&gt;  lib/redmine/codeset_util.rb:21:in `replace_invalid_utf8' app/helpers/repositories_helper.rb:146:in `to_utf8_internal' app/helpers/repositories_helper.rb:121:in `to_utf8' app/views/repositories/annotate.rhtml:17:in `_run_rhtml_app47views47repositories47annotate46rh tml' passenger (3.0.9) lib/phusion_passenger/rack/request_handler.rb:96:in `process_request' passenger (3.0.9) lib/phusion_passenger/abstract_request_handler.rb:513:in `accept_and_process _next_request' passenger (3.0.9) lib/phusion_passenger/abstract_request_handler.rb:274:in `main_loop' passenger (3.0.9) lib/phusion_passenger/classic_rails/application_spawner.rb:321:in `start_req uest_handler' passenger (3.0.9) lib/phusion_passenger/classic_rails/application_spawner.rb:275:in `send' passenger (3.0.9) lib/phusion_passenger/classic_rails/application_spawner.rb:275:in `handle_sp awn_application' passenger (3.0.9) lib/phusion_passenger/utils.rb:479:in `safe_fork' passenger (3.0.9) lib/phusion_passenger/classic_rails/application_spawner.rb:270:in `handle_sp awn_application' passenger (3.0.9) lib/phusion_passenger/abstract_server.rb:357:in `__send__' passenger (3.0.9) lib/phusion_passenger/abstract_server.rb:357:in `server_main_loop' passenger (3.0.9) lib/phusion_passenger/abstract_server.rb:206:in `start_synchronously' passenger (3.0.9) lib/phusion_passenger/abstract_server.rb:180:in `start' passenger (3.0.9) lib/phusion_passenger/classic_rails/application_spawner.rb:149:in `start' passenger (3.0.9) lib/phusion_passenger/spawn_manager.rb:219:in `spawn_rails_application' passenger (3.0.9) lib/phusion_passenger/abstract_server_collection.rb:132:in `lookup_or_add' passenger (3.0.9) lib/phusion_passenger/spawn_manager.rb:214:in `spawn_rails_application' passenger (3.0.9) lib/phusion_passenger/abstract_server_collection.rb:82:in `synchronize' passenger (3.0.9) lib/phusion_passenger/abstract_server_collection.rb:79:in `synchronize' passenger (3.0.9) lib/phusion_passenger/spawn_manager.rb:213:in `spawn_rails_application' passenger (3.0.9) lib/phusion_passenger/spawn_manager.rb:132:in `spawn_application' passenger (3.0.9) lib/phusion_passenger/spawn_manager.rb:275:in `handle_spawn_application' passenger (3.0.9) lib/phusion_passenger/abstract_server.rb:357:in `__send__'</pre> |        |                        |            |

```
passenger (3.0.9) lib/phusion_passenger/abstract_server.rb:357:in `server_main_loop'  
passenger (3.0.9) lib/phusion_passenger/abstract_server.rb:206:in `start_synchronously'  
passenger (3.0.9) helper-scripts/passenger-spawn-server:99
```

As you can see, it was trying to show the output of calling 'svn annotate' on a medium (~18MB) tar.gz file, while trying to interpret its contents as UTF-8 text.

We already have a setting for limiting the maximum size of the text files which can be viewed (instead of forcing the download) using 'View'. I think we should use the same limit for annotating the files, and also prevent Redmine from annotating binary files (using the same heuristics as in 'View').

I have attached a patch which modifies 'annotate' so it checks that the file is really a text file under the specified size limit before trying to annotate it. Otherwise, it displays a new error message explaining why it could not be annotated.

## Associated revisions

### Revision 7728 - 2011-11-05 04:47 - Toshi MARUYAMA

do not annotate text files which exceed the size limit for viewing (#9484)

Contributed by Antonio García-Domínguez.

### Revision 7729 - 2011-11-05 04:47 - Toshi MARUYAMA

update i18n locale yamls (#9484)

## History

### #1 - 2011-10-28 03:18 - Toshi MARUYAMA

Great work!

Could you add a test such as [source:tags/1.2.1/test/functional/repositories\\_filesystem\\_controller\\_test.rb#L115](source:tags/1.2.1/test/functional/repositories_filesystem_controller_test.rb#L115) ?

### #2 - 2011-10-30 00:13 - Antonio García-Domínguez

Toshi MARUYAMA wrote:

Great work!

Could you add a test such as [source:tags/1.2.1/test/functional/repositories\\_filesystem\\_controller\\_test.rb#L115](source:tags/1.2.1/test/functional/repositories_filesystem_controller_test.rb#L115) ?

I'm glad you liked the patch :-). Sorry, I forgot to watch the issue and didn't see your message until now. I'll write it tomorrow: it's midnight right now in Spain. Basically, I just need to test that the proper error is shown when trying to annotate a file that is too big, right?

### #3 - 2011-10-30 01:22 - Toshi MARUYAMA

Yes. Please see [source:tags/1.2.1/test/functional/repositories\\_git\\_controller\\_test.rb#L306](source:tags/1.2.1/test/functional/repositories_git_controller_test.rb#L306)

### #4 - 2011-10-30 16:47 - Antonio García-Domínguez

- *File revised-9484.patch added*

I have revised the patch with a new test case for the Subversion test suite. I had to change the new code a bit as well, as it was breaking one of the functional tests for Git repositories. It seems that with the old patch, a different error message would have been shown when trying to annotate binary files.

I have tried this one with 'rake test RAILS\_ENV=test' using a SQLite database: all the tests seem to pass. I haven't run the tests that require an LDAP server, though.

### #5 - 2011-11-05 06:27 - Toshi MARUYAMA

- *Status changed from New to Closed*

- *Target version set to 1.3.0*

Committed in trunk [r7728](#) and [r7729](#), thanks.

## Files

|  |         |            |                          |
|--|---------|------------|--------------------------|
| 0001-Fix-for-expensive-annotations.patch | 4.1 KB  | 2011-10-28 | Antonio García-Domínguez |
| revised-9484.patch                       | 4.79 KB | 2011-10-30 | Antonio García-Domínguez |