

Redmine - Defect #11941

RexexpError when parsing commit log with many #nnnn and ruby1.8

2012-09-25 20:47 - Cheyenne Wills

Status:	Closed	Start date:	
Priority:	Normal	Due date:	
Assignee:		% Done:	0%
Category:	SCM	Estimated time:	0.00 hour
Target version:			
Resolution:	Wont fix	Affected version:	1.3.2

Description

We have a large commit log that has a bunch of strings in the format of #nnnn (208 in total). Redmine changeset fetch processing is failing with a stack overflow in the regular expression scan of the commit log.

Attached is a file that contains the string from the commit log that will reproduce the error. Reusing the regular expression that is created in changesets.rb the following code snippet will reproduce the problem

```
s = IO.readlines("bad").join()
s.scan(/([\s\(\[, -]|^)((refs|references|issueid|issueid|defectid|defectid|fixes|closes|resolves|fixes|closes|resolves)[\s:]+)?(#\d+(\s+@(?x-mi:((\d+)(h|hours?))((\d+)(m|min)?)?|((\d+)(h|hours?|m|min))|(\d+):(\d+)|(\d+([\.,]\d+)?h?)))?([\s,;&]+#\d+(\s+@(?x-mi:((\d+)(h|hours?))((\d+)(m|min)?)?|((\d+)(h|hours?|m|min))|(\d+):(\d+)|(\d+([\.,]\d+)?h?)))?)*(?=[[:punct:]]|\s|<|$)/i)
RegexpError: Stack overflow in regexp matcher:...
```

Info about our environment

```
RAILS_ENV=production ruby script/about
About your application's environment
Ruby version          1.8.7 (x86_64-linux)
RubyGems version      1.3.7
Rack version          1.1.3
Rails version         2.3.14
Active Record version 2.3.14
Active Resource version 2.3.14
Action Mailer version 2.3.14
Active Support version 2.3.14
Application root      /var/lib/redmine
Environment            production
Database adapter       mysql
Database schema version 20110902000000

About your Redmine plugins
Milyn Connector plugin 2.7.4.stable
Project Subscription    0.0.1b
Redmine ChangeAuthor plugin 0.0.2
Redmine Vendor Display plugin 1.0
Redmine Groups plugin  1.0.0
Redmine Better Gantt Chart plugin 0.6.1
```

Backtrace

```
Sep 24 15:38:38 penguin1 Redmine[21183]: RegexpError (Stack overflow in regexp matcher: /([\s\(\[, -]|^)((refs|references|issueid|issueid|defectid|defectid|fixes|closes|resolves|fixes|closes|resolves)[\s:]+)?(#\d+(\s+@(?x-mi:((\d+)(h|hours?))((\d+)(m|min)?)?|((\d+)(h|hours?|m|min))|(\d+):(\d+)|(\d+([\.,]\d+)?h?)))?([\s,;&]+#\d+(\s+@(?x-mi:((\d+)(h|hours?))((\d+)(m|min)?)?|((\d+)(h|hours?|m|min))|(\d+):(\d+)|(\d+([\.,]\d+)?h?)))?)*(?=[[:punct:]]|\s|<|$)/i)
Sep 24 15:38:38 penguin1 (
Sep 24 15:38:38 penguin1 ((\d+)(h|hours?))((\d+)(m|min)?)?
Sep 24 15:38:38 penguin1 |
Sep 24 15:38:38 penguin1 ((\d+)(h|hours?|m|min))
Sep 24 15:38:38 penguin1 |
Sep 24 15:38:38 penguin1 (\d+):(\d+)
Sep 24 15:38:38 penguin1 |
```

```
Sep 24 15:38:38 penguin1 (\d+([\.,]\d+)?)h?
Sep 24 15:38:38 penguin1 )
Sep 24 15:38:38 penguin1 ))?([\s,;&]+#\d+(\s+@(?x-mi:
Sep 24 15:38:38 penguin1 (
Sep 24 15:38:38 penguin1 ((\d+) (h|hours?)) ((\d+) (m|min)?)?
Sep 24 15:38:38 penguin1 |
Sep 24 15:38:38 penguin1 ((\d+) (h|hours?:m|min))
Sep 24 15:38:38 penguin1 |
Sep 24 15:38:38 penguin1 (\d+):(\d+)
Sep 24 15:38:38 penguin1 |
Sep 24 15:38:38 penguin1 (\d+([\.,]\d+)?)h?
Sep 24 15:38:38 penguin1 )
Sep 24 15:38:38 penguin1 ))?*) (?=[[:punct:]]|\s|<|$/i):
Sep 24 15:38:38 penguin1 app/models/changeset.rb:128:in `scan'
Sep 24 15:38:38 penguin1 app/models/changeset.rb:128:in `scan_comment_for_issue_ids'
Sep 24 15:38:38 penguin1 app/models/changeset.rb:101:in `scan_for_issues'
Sep 24 15:38:38 penguin1 app/models/repository/subversion.rb:67:in `fetch_changesets'
Sep 24 15:38:38 penguin1 app/models/repository/subversion.rb:66:in `fetch_changesets'
Sep 24 15:38:38 penguin1 app/models/repository/subversion.rb:65:in `reverse_each'
Sep 24 15:38:38 penguin1 app/models/repository/subversion.rb:65:in `fetch_changesets'
Sep 24 15:38:38 penguin1 app/controllers/repositories_controller.rb:92:in `show'
Sep 24 15:38:38 penguin1 /usr/lib64/ruby/site_ruby/1.8/phusion_passenger/rack/request_handler.rb:9
6:in `process_request'
Sep 24 15:38:38 penguin1 /usr/lib64/ruby/site_ruby/1.8/phusion_passenger/abstract_request_handler.
rb:513:in `accept_and_process_next_request'
Sep 24 15:38:38 penguin1 /usr/lib64/ruby/site_ruby/1.8/phusion_passenger/abstract_request_handler.
rb:274:in `main_loop'
Sep 24 15:38:38 penguin1 /usr/lib64/ruby/site_ruby/1.8/phusion_passenger/classic_rails/application
_spawner.rb:321:in `start_request_handler'
Sep 24 15:38:38 penguin1 /usr/lib64/ruby/site_ruby/1.8/phusion_passenger/classic_rails/application
_spawner.rb:275:in `send'
Sep 24 15:38:38 penguin1 /usr/lib64/ruby/site_ruby/1.8/phusion_passenger/classic_rails/application
_spawner.rb:275:in `handle_spawn_application'
Sep 24 15:38:38 penguin1 /usr/lib64/ruby/site_ruby/1.8/phusion_passenger/utils.rb:479:in `safe_for
k'
Sep 24 15:38:38 penguin1 /usr/lib64/ruby/site_ruby/1.8/phusion_passenger/classic_rails/application
_spawner.rb:270:in `handle_spawn_application'
Sep 24 15:38:38 penguin1 /usr/lib64/ruby/site_ruby/1.8/phusion_passenger/abstract_server.rb:357:in
`__send__'
Sep 24 15:38:38 penguin1 /usr/lib64/ruby/site_ruby/1.8/phusion_passenger/abstract_server.rb:357:in
`server_main_loop'
Sep 24 15:38:38 penguin1 /usr/lib64/ruby/site_ruby/1.8/phusion_passenger/abstract_server.rb:206:in
`start_synchronously'
Sep 24 15:38:38 penguin1 /usr/lib64/ruby/site_ruby/1.8/phusion_passenger/abstract_server.rb:180:in
`start'
Sep 24 15:38:38 penguin1 /usr/lib64/ruby/site_ruby/1.8/phusion_passenger/classic_rails/application
_spawner.rb:149:in `start'
Sep 24 15:38:38 penguin1 /usr/lib64/ruby/site_ruby/1.8/phusion_passenger/spawn_manager.rb:219:in `
spawn_rails_application'
Sep 24 15:38:38 penguin1 /usr/lib64/ruby/site_ruby/1.8/phusion_passenger/abstract_server_collectio
n.rb:132:in `lookup_or_add'
Sep 24 15:38:38 penguin1 /usr/lib64/ruby/site_ruby/1.8/phusion_passenger/spawn_manager.rb:214:in `
spawn_rails_application'
Sep 24 15:38:38 penguin1 /usr/lib64/ruby/site_ruby/1.8/phusion_passenger/abstract_server_collectio
n.rb:82:in `synchronize'
Sep 24 15:38:38 penguin1 /usr/lib64/ruby/site_ruby/1.8/phusion_passenger/abstract_server_collectio
n.rb:79:in `synchronize'
Sep 24 15:38:38 penguin1 /usr/lib64/ruby/site_ruby/1.8/phusion_passenger/spawn_manager.rb:213:in `
spawn_rails_application'
Sep 24 15:38:38 penguin1 /usr/lib64/ruby/site_ruby/1.8/phusion_passenger/spawn_manager.rb:132:in `
spawn_application'
Sep 24 15:38:38 penguin1 /usr/lib64/ruby/site_ruby/1.8/phusion_passenger/spawn_manager.rb:275:in `
handle_spawn_application'
Sep 24 15:38:38 penguin1 /usr/lib64/ruby/site_ruby/1.8/phusion_passenger/abstract_server.rb:357:in
`__send__'
Sep 24 15:38:38 penguin1 /usr/lib64/ruby/site_ruby/1.8/phusion_passenger/abstract_server.rb:357:in
`server_main_loop'
```

```
Sep 24 15:38:38 penguin1 /usr/lib64/ruby/site_ruby/1.8/phusion_passenger/abstract_server.rb:206:in
`start_synchronously'
Sep 24 15:38:38 penguin1 /usr/share/phusion-passenger/helper-scripts/passenger-spawn-server:99
Sep 24 15:38:38 penguin1 Redmine[21183]: Rendering /var/lib/redmine/public/500.html (500 Internal
Server Error)
```

History

#1 - 2012-09-25 21:58 - Jean-Philippe Lang

- Subject changed from *changeset.rb RexexpError (Stack overflow in regexp matcher ...* to *RexexpError when parsing commit log with many #nnnn and ruby1.8*

Reproduced with ruby1.8.7. FTR, no error is raised with ruby 1.9.2 or 1.9.3.

#2 - 2012-09-26 00:07 - Cheyenne Wills

Okay thank you.

Our workaround at the moment was to just look at the first 500 bytes of the log (that's "okay" for our users).

One possible solution would be to loop through the individual lines instead of the entire log at once

#3 - 2012-09-26 01:07 - Toshi MARUYAMA

- Category set to *SCM*

#4 - 2016-01-17 07:46 - Go MAEDA

- Status changed from *New* to *Closed*

- Resolution set to *Wont fix*

Redmine has dropped support for Ruby 1.8.7 ([#14371](#)).

Files

bad	2.03 KB	2012-09-25	Cheyenne Wills
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