

## Redmine - Defect #23055

### Error with Fetch commits with Mercurial repository when log has invalid char

2016-06-13 13:31 - mole mole

<b>Status:</b>	Closed	<b>Start date:</b>	
<b>Priority:</b>	Normal	<b>Due date:</b>	
<b>Assignee:</b>	Toshi MARUYAMA	<b>% Done:</b>	0%
<b>Category:</b>	SCM	<b>Estimated time:</b>	0.00 hour
<b>Target version:</b>	4.2.0	<b>Affected version:</b>	3.1.3
<b>Resolution:</b>	Fixed		
<b>Description</b>			
Error with Fetch commits automatically with mercurial repository			
When I add a mercurial repository, redmine start to scan and add to Mysql. This take several minutes. When redmine finish to index .Redmine show a error page. In production.log show this message. It happen with a huge repository about 70335 commits			
<b>production.log</b>			
<pre>Started GET "/projects/iset/repository" for 192.168.1.164 at 2016-06-13 10:56:04 +0000 Processing by RepositoriesController#show as HTML   Parameters: {"id"=&gt;"iset"}   Current user: admin (id=1) Completed 500 Internal Server Error in 2039ms (ActiveRecord: 4.8ms)  NoMethodError (undefined method `[]' for nil:NilClass):   lib/redmine/scm/adapters/mercurial_adapter.rb:194:in `each_revision'   app/models/repository/mercurial.rb:187:in `block in fetch_changesets'   app/models/repository/mercurial.rb:186:in `step'   app/models/repository/mercurial.rb:186:in `fetch_changesets'   app/controllers/repositories_controller.rb:114:in `show'   lib/redmine/sudo_mode.rb:63:in `sudo_mode'</pre>			
If you exec a manual auto_fetch to refresh data with <code>rake -f Rakefile RAIL_ENV=production redmine:fetch_changesets --trace</code> Console shows:			
<pre>/usr/local/bundle/gems/htmlentities-4.3.1/lib/htmlentities/mappings/expanded.rb:465: warning: duplicated key at line 466 ignored: "inodot" ** Invoke redmine:fetch_changesets (first_time) ** Invoke environment (first_time) ** Execute environment ** Execute redmine:fetch_changesets rake aborted! NoMethodError: undefined method `[]' for nil:NilClass /usr/src/redmine/lib/redmine/scm/adapters/mercurial_adapter.rb:194:in `each_revision' /usr/src/redmine/app/models/repository/mercurial.rb:187:in `block in fetch_changesets' /usr/src/redmine/app/models/repository/mercurial.rb:186:in `step' /usr/src/redmine/app/models/repository/mercurial.rb:186:in `fetch_changesets' /usr/src/redmine/app/models/repository.rb:344:in `block (2 levels) in fetch_changesets' /usr/local/bundle/gems/activerecord-4.2.5/lib/active_record/relation/delegation.rb:46:in `each' /usr/local/bundle/gems/activerecord-4.2.5/lib/active_record/relation/delegation.rb:46:in `each' /usr/src/redmine/app/models/repository.rb:342:in `block in fetch_changesets' /usr/local/bundle/gems/activerecord-4.2.5/lib/active_record/relation/delegation.rb:46:in `each' /usr/local/bundle/gems/activerecord-4.2.5/lib/active_record/relation/delegation.rb:46:in `each' /usr/src/redmine/app/models/repository.rb:341:in `fetch_changesets' /usr/src/redmine/lib/tasks/redmine.rake:47:in `block (2 levels) in &lt;top (required)&gt;' /usr/local/bundle/gems/rake-10.5.0/lib/rake/task.rb:240:in `call' /usr/local/bundle/gems/rake-10.5.0/lib/rake/task.rb:240:in `block in execute' /usr/local/bundle/gems/rake-10.5.0/lib/rake/task.rb:235:in `each' /usr/local/bundle/gems/rake-10.5.0/lib/rake/task.rb:235:in `execute' /usr/local/bundle/gems/rake-10.5.0/lib/rake/task.rb:179:in `block in invoke_with_call_chain'</pre>			

```

/usr/local/lib/ruby/2.2.0/monitor.rb:211:in `mon_synchronize'
/usr/local/bundle/gems/rake-10.5.0/lib/rake/task.rb:172:in `invoke_with_call_chain'
/usr/local/bundle/gems/rake-10.5.0/lib/rake/task.rb:165:in `invoke'
/usr/local/bundle/gems/rake-10.5.0/lib/rake/application.rb:150:in `invoke_task'
/usr/local/bundle/gems/rake-10.5.0/lib/rake/application.rb:106:in `block (2 levels) in top_level'
/usr/local/bundle/gems/rake-10.5.0/lib/rake/application.rb:106:in `each'
/usr/local/bundle/gems/rake-10.5.0/lib/rake/application.rb:106:in `block in top_level'
/usr/local/bundle/gems/rake-10.5.0/lib/rake/application.rb:115:in `run_with_threads'
/usr/local/bundle/gems/rake-10.5.0/lib/rake/application.rb:100:in `top_level'
/usr/local/bundle/gems/rake-10.5.0/lib/rake/application.rb:78:in `block in run'
/usr/local/bundle/gems/rake-10.5.0/lib/rake/application.rb:176:in `standard_exception_handling'
/usr/local/bundle/gems/rake-10.5.0/lib/rake/application.rb:75:in `run'
/usr/local/bundle/gems/rake-10.5.0/bin/rake:33:in `'
/usr/local/bundle/bin/rake:16:in `load'
/usr/local/bundle/bin/rake:16:in `'
Tasks: TOP => redmine:fetch_changesets

```

```

Redmine version      3.1.3.stable
Ruby version         2.2.4-p230 (2015-12-16) [x86_64-linux-gnu]
Rails version        4.2.5
Environment          production
Database adapter     Mysql2
SCM:
Subversion           1.8.13
Mercurial             3.1.2
Git                  2.1.4
Bazaar               2.7.0
Filesystem
Redmine plugins:
no plugin installed

```

## Associated revisions

### Revision 19606 - 2020-03-22 17:15 - Toshi MARUYAMA

scm: mercurial: change template "escape" to "urlescape" for "author" and "desc" (#23055)

### Revision 19607 - 2020-03-22 17:34 - Toshi MARUYAMA

scm: mercurial: update test repository (#23055)

### Revision 19608 - 2020-03-22 17:35 - Toshi MARUYAMA

scm: mercurial: add test of author and message which have control character (#23055)

## History

### #1 - 2016-06-13 15:48 - Toshi MARUYAMA

- Status changed from New to Needs feedback

What output of scm\_stderr\_log\_file?  
<source:tags/3.2.3/config/configuration.yml.example#L138>

### #2 - 2016-06-13 19:11 - mole mole

I haven't any exit on scm\_stderr\_log\_file.

But in production.log when do the first scan logged this:

```

Changeset Load (0.8ms) SELECT `changesets`.* FROM `changesets` WHERE `changesets`.`repository_id` = 11 AND `changesets`.`scmid` = '6e892cac598ab919f853ca54c7745e783b70dcb8' ORDER BY changesets.id DESC LIMIT 1
Changeset Exists (0.6ms) SELECT 1 AS one FROM `changesets` WHERE (`changesets`.`revision` = BINARY '10555' AND `changesets`.`id` != 37510 AND `changesets`.`repository_id` = 11) LIMIT 1
Changeset Exists (0.5ms) SELECT 1 AS one FROM `changesets` WHERE (`changesets`.`scmid` = BINARY '6e892cac598ab919f853ca54c7745e783b70dcb8' AND `changesets`.`id` != 37510 AND `changesets`.`repository_id` = 11) LIMIT 1
Changeset Exists (0.4ms) SELECT 1 AS one FROM `changesets` WHERE (`changesets`.`revision` = BINARY '10598' AND `changesets`.`repository_id` = 11) LIMIT 1
Changeset Exists (0.4ms) SELECT 1 AS one FROM `changesets` WHERE (`changesets`.`scmid` = BINARY '6289f36f5adf23615f6fc2f49abd5828beffb29b' AND `changesets`.`repository_id` = 11) LIMIT 1
SQL (0.5ms) INSERT INTO `changesets` (`repository_id`, `revision`, `scmid`, `committer`, `commit_date`, `committed_on`, `comments`, `user_id`) VALUES (11, '10598', '6289f36f5adf23615f6fc2f49abd5828beffb29b', 'pepe<edu

```

```

ardo@pepe.es>', '2011-07-15', '2011-07-15 07:42:42', 'TextStyle ahora senyala el estilo del caracter donde est
a el cursor.', 6)
  SQL (0.3ms)  INSERT INTO `changeset_parents` (`parent_id`, `changeset_id`) VALUES (37510, 37553)
  SQL (0.3ms)  INSERT INTO `changes` (`changeset_id`, `action`, `path`) VALUES (37553, 'M', '/core/exe/edtext.
cpp')
  SQL (0.3ms)  INSERT INTO `changes` (`changeset_id`, `action`, `path`) VALUES (37553, 'M', '/core/ipf/ctext.c
pp')
  SQL (0.3ms)  INSERT INTO `changes` (`changeset_id`, `action`, `path`) VALUES (37553, 'M', '/core/ipf/ctext.h
')
  (34.2ms)  COMMIT
  (0.2ms)  BEGIN
  Changeset Load (0.7ms)  SELECT `changesets`.* FROM `changesets` WHERE `changesets`.`repository_id` = 11 AND
`changesets`.`scmid` = '6289f36f5adf23615f6fc2f49abd5828beffb29b' ORDER BY changesets.id DESC LIMIT 1
  Changeset Exists (0.6ms)  SELECT 1 AS one FROM `changesets` WHERE (`changesets`.`revision` = BINARY '10599'
AND `changesets`.`id` != 37553 AND `changesets`.`repository_id` = 11) LIMIT 1
  Changeset Exists (0.5ms)  SELECT 1 AS one FROM `changesets` WHERE (`changesets`.`scmid` = BINARY '6289f36f5
adf23615f6fc2f49abd5828beffb29b' AND `changesets`.`id` != 37553 AND `changesets`.`repository_id` = 11) LIMIT 1
  Changeset Exists (0.4ms)  SELECT 1 AS one FROM `changesets` WHERE (`changesets`.`revision` = BINARY '10599'
AND `changesets`.`repository_id` = 11) LIMIT 1
  Changeset Exists (0.4ms)  SELECT 1 AS one FROM `changesets` WHERE (`changesets`.`scmid` = BINARY '2babe5c44
9c6274f052a8bda9637c247ea210e23' AND `changesets`.`repository_id` = 11) LIMIT 1
  SQL (0.5ms)  INSERT INTO `changesets` (`repository_id`, `revision`, `scmid`, `committer`, `commit_date`, `co
mmitted_on`, `comments`, `user_id`) VALUES (11, '10599', '2babe5c449c6274f052a8bda9637c247ea210e23', 'pepe<edu
ardo@pepe.es>', '2011-07-19', '2011-07-19 16:04:02', 'Soporte de estilos usando la seleccion de texto.', 6)
  SQL (0.3ms)  INSERT INTO `changeset_parents` (`parent_id`, `changeset_id`) VALUES (37553, 37554)
  SQL (0.3ms)  INSERT INTO `changes` (`changeset_id`, `action`, `path`) VALUES (37554, 'M', '/core/exe/edtext.
cpp')
  SQL (0.3ms)  INSERT INTO `changes` (`changeset_id`, `action`, `path`) VALUES (37554, 'M', '/core/ipf/ctext.c
pp')
  SQL (0.4ms)  INSERT INTO `changes` (`changeset_id`, `action`, `path`) VALUES (37554, 'M', '/core/ipf/ctext.h
')
  (26.2ms)  COMMIT
Shelling out: 'hg' '-R' '/home/share/mirror/hg/all' '--encoding' 'utf-8' '--config' 'extensions.redminehelper=
/usr/src/redmine/lib/redmine/scm/adapters/mercurial/redminehelper.py' '--config' 'diff.git=false' 'log' '--deb
ug' '-C' '--style' '/usr/src/redmine/lib/redmine/scm/adapters/mercurial/hg-template-1.0.tmpl' '-r' '10600:1069
9'
Completed 500 Internal Server Error in 893414ms (ActiveRecord: 465576.7ms)

```

```

NoMethodError (undefined method `[]' for nil:NilClass):
  lib/redmine/scm/adapters/mercurial_adapter.rb:194:in `each_revision'
  app/models/repository/mercurial.rb:187:in `block in fetch_changesets'
  app/models/repository/mercurial.rb:186:in `step'
  app/models/repository/mercurial.rb:186:in `fetch_changesets'
  app/controllers/repositories_controller.rb:114:in `show'
  lib/redmine/sudo_mode.rb:63:in `sudo_mode'

```

### #3 - 2016-06-14 05:59 - Toshi MARUYAMA

mole mole wrote:

I haven't any exit on scm\_stderr\_log\_file.

How about "#{Rails.env}.scm.stderr.log"?

[source:tags/3.2.3/lib/redmine/scm/adapters/abstract\\_adapter.rb#l221](https://source.rubygems.org/lookup/3.2.3/lib/redmine/scm/adapters/abstract_adapter.rb#l221)

But in production.log when do the first scan logged this:

```

...
'hg' '-R' '/home/share/mirror/hg/all' '--encoding' 'utf-8' '--config'
'extensions.redminehelper=/usr/src/redmine/lib/redmine/scm/adapters/mercurial/redminehelper.py' '--config' 'diff.git=false' 'log' '--debug' '-C'
'--style' '/usr/src/redmine/lib/redmine/scm/adapters/mercurial/hg-template-1.0.tmpl' '-r' '10600:10699'

```

What output of above "hg" on command line?

### #4 - 2016-06-14 15:33 - mole mole

- File redmine\_scm\_stderr.log added

I haven't any exit on scm\_stderr\_log\_file. -> I try to say: I haven't any error related with this issue. Only have this message:  
not trusting file /home/share/mirror/hg/all/.hg/hgrc from untrusted user root, group www-data

It can be solve with adding in hgrc.

```
[trusted]
users =
```

hg in command line:

Mercurial Distributed SCM

basic commands:

add	add the specified files on the next commit
annotate	show changeset information by line for each file
clone	make a copy of an existing repository
commit	commit the specified files or all outstanding changes
diff	diff repository (or selected files)
export	dump the header and diffs for one or more changesets
forget	forget the specified files on the next commit
init	create a new repository in the given directory
log	show revision history of entire repository or files
merge	merge working directory with another revision
pull	pull changes from the specified source
push	push changes to the specified destination
remove	remove the specified files on the next commit
serve	start stand-alone webserver
status	show changed files in the working directory
summary	summarize working directory state
update	update working directory (or switch revisions)

use "hg help" for the full list of commands or "hg -v" for details

#### #5 - 2016-06-14 16:00 - Toshi MARUYAMA

What is output of following command?

```
'hg' '-R' '/home/share/mirror/hg/all' '--encoding' 'utf-8' '--config'
'extensions.redminehelper=/usr/src/redmine/lib/redmine/scm/adapters/mercurial/redminehelper.py' '--config' 'diff.git=false' 'log' '--debug' '-C' '--style'
'/usr/src/redmine/lib/redmine/scm/adapters/mercurial/hg-template-1.0.tmp' '-r' '10600:10699'
```

#### #6 - 2016-06-14 16:18 - mole mole

- File hgcommand.log added

The command 'hg' '-R' '/home/share/mirror/hg/all' '--encoding' 'utf-8' '--config'

```
'extensions.redminehelper=/usr/src/redmine/lib/redmine/scm/adapters/mercurial/redminehelper.py' '--config' 'diff.git=false' 'log' '--debug' '-C' '--style'
'/usr/src/redmine/lib/redmine/scm/adapters/mercurial/hg-template-1.0.tmp' '-r' '10600:10699'
```

Can be executed without errors. Attach output.

#### #7 - 2016-06-14 16:48 - Toshi MARUYAMA

What is output?

```
select revision from changesets where id =
(select max(id) from changesets where repository_id = 11)
```

#### #8 - 2016-06-14 17:09 - mole mole

```
revision
10599
```

#### #9 - 2016-06-14 17:22 - Toshi MARUYAMA

Try reduce FETCH\_AT\_ONCE.

[source:tags/3.1.3/app/models/repository/mercurial.rb#l30](https://sourceforge.net/p/redmine/bugs/3130/discussion/10600-10699/)

I think a revision from 10600 to 10699 has problem.

#### #10 - 2016-06-14 17:31 - Toshi MARUYAMA

I think your revision has problem.

- no date
- no commit log

If you find this revision, try this patch.

```
diff --git a/lib/redmine/scm/adapters/mercurial_adapter.rb b/lib/redmine/scm/adapters/mercurial_adapter.rb
--- a/lib/redmine/scm/adapters/mercurial_adapter.rb
+++ b/lib/redmine/scm/adapters/mercurial_adapter.rb
@@ -212,8 +212,8 @@ module Redmine
    yield Revision.new(:revision => le['revision'],
                      :scmid    => le['node'],
                      :author   => (le['author']['__content__'] rescue ''),
-                     :time     => Time.parse(le['date']['__content__']),
-                     :message  => le['msg']['__content__'],
+                     :time     => (Time.parse(le['date']['__content__']) rescue Time.at(0)),
+                     :message  => (le['msg']['__content__'] rescue ''),
                      :paths    => paths,
                      :parents  => parents_ary)
  end
end
```

#### #11 - 2016-06-14 18:02 - mole mole

- File *issue.jpg* added

It didn't work. Same result.

Maybe a wrong code of EOL?. I see in sublime editor a DC3 code.

#### #12 - 2016-06-14 18:28 - mole mole

I think that double !! can break it.

The message in mercurial is:

```
-dimensiones de los geosets de m3Font funcionando bien con shader.!!
```

and the output of script have a DC3 code when in original have a !!:

```
<msg>-dimensiones de los geosets de m3Font funcionando bien con shader.</msg>
```

#### #13 - 2016-06-15 04:04 - Toshi MARUYAMA

Try upgrading Mercurial. Latest version is 3.8.3.

#### #14 - 2016-06-15 11:01 - mole mole

It didn't work. Same result.

#### #15 - 2016-06-15 11:20 - Toshi MARUYAMA

Please report to Mercurial BTS.

Broken XML is Mercurial bug.

<https://bz.mercurial-scm.org/>

#### #16 - 2016-06-15 11:46 - mole mole

The character is ^S I try to reproduce in small repo

#### #17 - 2016-06-15 11:58 - mole mole

- File *all.tar.gz* added

You can reproduce this issue with this repo.

#### #18 - 2016-06-15 13:06 - Toshi MARUYAMA

It is obviously Mercurial bug.

Please report to Mercurial BTS.

```
$ LANG=C /WEB-DOWN/hg-repo/hg-crew/hg log --version
Mercurial Distributed SCM (version 3.8.3)
(see https://mercurial-scm.org for more information)
```

```
Copyright (C) 2005-2016 Matt Mackall and others
This is free software; see the source for copying conditions. There is NO
warranty; not even for MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE.
```

```
$ /WEB-DOWN/hg-repo/hg-crew/hg log --debug --style /REDMINE/MY-REDMINE/test-trunk/lib/redmine/scm/adapters/mer
```

```
curial/hg-template-1.0.templ > hg.xml
```

```
$ xmllint hg.xml
hg.xml:10: parser error : PCDATA invalid Char value 19
<msg>-Test</msg>
      ^
hg.xml:17: parser error : Premature end of data in tag log line 2
```

#### #19 - 2016-06-15 13:16 - Toshi MARUYAMA

Sorry, we need add "</log>".

```
$ /WEB-DOWN/hg-repo/hg-crew/hg log --debug --style /REDMINE/MY-REDMINE/test-trunk/lib/redmine/scm/adapters/mercurial/hg-template-1.0.templ > hg.xml
```

```
$ echo "</log>" >> hg.xml
```

```
$ xmllint hg.xml
hg.xml:23: parser error : PCDATA invalid Char value 19
<msg>-Test</msg>
      ^
```

#### #20 - 2016-06-15 13:28 - mole mole

Using Mercurial xml template generate a correct xml

```
$ hg log --debug --style=xml > hg.xml
```

```
$ xmllint hg.xml
```

It runs correctly

PS: --style is a deprecated parameter in mercurial

#### #21 - 2016-06-15 13:44 - mole mole

I changed in hg-template-1.0.templ {desc|escape} by {desc|revscape} and xmllint runs correctly...

#### #22 - 2016-06-15 13:53 - mole mole

Sorry, its probably we must use xmlescape

```
{desc|xmlescape}
```

I see this in this file sample of mercurial

```
/usr/share/mercurial/templates/map-cmdline.xml
```

#### #23 - 2016-06-15 14:08 - mole mole

- File hg-template-1.0.templ added

Attach hg-template-1.0.templ modified

#### #24 - 2016-06-15 14:11 - mole mole

- File hg-template-1.0.templ added

Sorry, is this file

#### #25 - 2016-06-15 14:39 - Toshi MARUYAMA

- Subject changed from Error with Fetch commits automatically with mercurial repository to Error with Fetch commits with Mercurial repository when log has invalid char

- Status changed from Needs feedback to Confirmed

- Assignee set to Toshi MARUYAMA

#### #26 - 2016-06-15 14:41 - mole mole

Thanks for your help.

#### #27 - 2016-11-28 13:58 - Oscar Edvardsson

I can also confirm this. Any workaround?

Environment:  
Redmine version 3.2.0.stable  
Ruby version 2.3.1-p112 (2016-04-26) [x86\_64-linux-gnu]  
Rails version 4.2.5  
Environment production  
Database adapter PostgreSQL  
SCM:  
Mercurial 3.7.3

**#28 - 2020-03-26 02:41 - Toshi MARUYAMA**

- Status changed from Confirmed to Closed
- Target version set to 4.2.0
- Resolution set to Fixed

I choose 'urlescape' because 'paths' uses 'urlescape' and decodes it.  
[source:trunk/lib/redmine/scm/adapters/mercurial\\_adapter.rb@19606#L204](https://source.trunk/lib/redmine/scm/adapters/mercurial_adapter.rb@19606#L204)

**Files**

---

redmine_scm_stderr.log	19.8 KB	2016-06-14	mole mole
hgcommand.log	70.2 KB	2016-06-14	mole mole
issue.jpg	295 KB	2016-06-14	mole mole
all.tar.gz	1.14 KB	2016-06-15	mole mole
hg-template-1.0.tmpl	864 Bytes	2016-06-15	mole mole
hg-template-1.0.tmpl	869 Bytes	2016-06-15	mole mole