

Redmine - Defect #19529

downloaded files are truncated to 64Kb (or simply a 500 error) on second download

2015-03-30 23:29 - Antoine Beaupré

Status:	Closed	Start date:	
Priority:	High	Due date:	
Assignee:		% Done:	0%
Category:	SCM	Estimated time:	0.00 hour
Target version:		Affected version:	2.5.1
Resolution:	No feedback		

Description

We have had a weird bug on our recently-upgraded Redmine server. It could be two bugs, but the symptoms seem so closely related that I feel they should be filed as one for now.

The problem is we can't download files **twice** from the "repository" tab reliably. For files larger than 64KB, they get truncated to 64KB the second time. Nothing really interesting shows up in the logs:

```
Started GET "/projects/civicrm-saas-traduction/repository/revisions/master/raw/l10n/fr_CA/civicrm.po" for X.X.X.X at 2015-03-30 17:10:14 -0400
Processing by RepositoriesController#raw as HTML
  Parameters: {"id"=>"civicrm-saas-traduction", "rev"=>"master", "path"=>"l10n/fr_CA/civicrm.po"}
  Current user: XXXXXXXX (id=X)
  Rendered text template (0.0ms)
Sent data civicrm.po (4.7ms)
Completed 200 OK in 807.8ms (Views: 4.5ms | ActiveRecord: 327.4ms)

Started GET "/projects/civicrm-saas-traduction/repository/revisions/master/raw/l10n/fr_CA/civicrm.po" for X,X,X,X at 2015-03-30 17:10:28 -0400
Processing by RepositoriesController#raw as */*
  Parameters: {"id"=>"civicrm-saas-traduction", "rev"=>"master", "path"=>"l10n/fr_CA/civicrm.po"}
  Current user: anonymous
  Rendered text template (0.0ms)
Sent data civicrm.po (0.8ms)
Completed 200 OK in 33.1ms (Views: 0.7ms | ActiveRecord: 23.1ms)
```

The above is downloading the same "larger than 64KB" file twice. No error shows up in the production.log on the second try, but the file is truncated. Note that this works across user, and the phenomenon goes away after a while (say ~24h? need to be confirmed).

Now here's an example of a file **smaller** than 64KB:

```
Started GET "/projects/kt-sa-debian-upgrades/repository/revisions/master/entry/predict-os-2015-03-19.png" for 70.83.139.100 at 2015-03-30 17:10:54 -0400
Processing by RepositoriesController#entry as HTML
  Parameters: {"id"=>"kt-sa-debian-upgrades", "rev"=>"master", "path"=>"predict-os-2015-03-19.png"}
}
  Current user: anarcats (id=3)
Creating scope :system. Overwriting existing method Enumeration.system.
Creating scope :sorted. Overwriting existing method User.sorted.
  Rendered text template (0.0ms)
Sent data predict-os-2015-03-19.png (1.7ms)
Completed 200 OK in 592.4ms (Views: 1.4ms | ActiveRecord: 273.7ms)
Creating scope :sorted. Overwriting existing method Group.sorted.

Started GET "/projects/kt-sa-debian-upgrades/repository/revisions/master/entry/predict-os-2015-03-19.png" for 70.83.139.100 at 2015-03-30 17:11:02 -0400
Processing by RepositoriesController#entry as */*
  Parameters: {"id"=>"kt-sa-debian-upgrades", "rev"=>"master", "path"=>"predict-os-2015-03-19.png"}
}
  Current user: anonymous
Completed 500 Internal Server Error in 35.9ms
```

```
ArgumentError (invalid byte sequence in UTF-8):  
  lib/redmine/core_ext/string.rb:9:in `count'  
  lib/redmine/core_ext/string.rb:9:in `is_binary_data?'  
  app/controllers/repositories_controller.rb:199:in `is_entry_text_data?'  
  app/controllers/repositories_controller.rb:175:in `entry_and_raw'  
  app/controllers/repositories_controller.rb:161:in `entry'
```

The first attempt works, the second attempt completely fails with the above 500 error.

Environment:

```
Redmine version      2.5.1.stable (2.5.1-2~bpo70+5 from Debian, upgraded from 1.4)  
Ruby version         1.9.3-p194 (2012-04-20) [x86_64-linux]  
Rails version        3.2.6  
Environment          production  
Database adapter     MySQL (5.5.41-0+wheezy1)
```

SCM:

```
Subversion           1.6.17  
Mercurial            2.2.2  
Cvs                  1.12.13  
Git                  1.9.1  
Filesystem
```

Redmine plugins:

```
redmine_bootstrap_kit 0.2.0  
redmine_git_hosting   0.7.10  
redmine_openid_selector 0.0.1  
redmine_stealth       0.6.0
```

History

#1 - 2015-03-31 04:40 - Toshi MARUYAMA

- Status changed from New to Needs feedback

Antoine Beaupré wrote:

```
Ruby version      1.9.3-p194 (2012-04-20) [x86_64-linux]
```

Too old.

```
Database adapter  MySQL (5.5.41-0+wheezy1)
```

You need to use mysql2 instead of mysql on Ruby >= 1.9.

#2 - 2015-03-31 04:54 - Toshi MARUYAMA

```
ArgumentError (invalid byte sequence in UTF-8):
```

I think it is caused by one of your plugin because Redmine core uses "ASCII-8BIT".

[source:tags/2.5.1/lib/redmine/scm/adapters/abstract_adapter.rb#L256](https://source.redmine.org/2.5.1/lib/redmine/scm/adapters/abstract_adapter.rb#L256)

#3 - 2015-05-13 15:26 - Antoine Beaupré

Toshi MARUYAMA wrote:

Antoine Beaupré wrote:

```
Ruby version      1.9.3-p194 (2012-04-20) [x86_64-linux]
```

Too old.

Hmm... that's strange, the redmine wiki mentions this is supported even in the current trunk:

<http://www.redmine.org/projects/redmine/wiki/RedmineInstall>

What would be a "not too old" ruby release?

Database adapter MySQL (5.5.41-0+wheezy1)

You need to use mysql2 instead of mysql on Ruby >= 1.9.

Any suggestions on how to do that?

Toshi MARUYAMA wrote:

ArgumentError (invalid byte sequence in UTF-8):

I think it is caused by one of your plugin because Redmine core uses "ASCII-8BIT".
source.tags/2.5.1/lib/redmine/scm/adapters/abstract_adapter.rb#L256

I see, i'll take a look at those. I don't see why it would affect image downloads, intermittently too...

#4 - 2015-05-13 15:55 - Toshi MARUYAMA

Antoine Beaupré wrote:

Toshi MARUYAMA wrote:

Antoine Beaupré wrote:

Ruby version 1.9.3-p194 (2012-04-20) [x86_64-linux]

Too old.

Hmm... that's strange, the redmine wiki mentions this is supported even in the current trunk:

2012-04-20 is too old.

<https://www.ruby-lang.org/en/news/2015/02/23/support-for-ruby-1-9-3-has-ended/>

<http://www.redmine.org/projects/redmine/wiki/RedmineInstall>

What would be a "not too old" ruby release?

<https://www.ruby-lang.org/en/downloads/>

Database adapter MySQL (5.5.41-0+wheezy1)

You need to use mysql2 instead of mysql on Ruby >= 1.9.

Any suggestions on how to do that?

source.tags/2.6.5/config/database.yml.example#L1

#5 - 2015-05-13 16:02 - Antoine Beaupré

Toshi MARUYAMA wrote:

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Antoine Beaupré wrote:

Ruby version 1.9.3-p194 (2012-04-20) [x86_64-linux]

Too old.

Hmm... that's strange, the redmine wiki mentions this is supported even in the current trunk:

2012-04-20 is too old.

<https://www.ruby-lang.org/en/news/2015/02/23/support-for-ruby-1-9-3-has-ended/>

then why does the redmine wiki page shows 1.9.3 as a requirement? heck, for 2.6, 1.8.7 is a requirement!

seems to me this would need to be changed at the very least.

<http://www.redmine.org/projects/redmine/wiki/RedmineInstall>

What would be a "not too old" ruby release?

<https://www.ruby-lang.org/en/downloads/>

I think it would have been fair to assume I know where to find Ruby releases. My point here is more that Redmine's requirements need to be updated.

Are you saying that no one should be running Redmine under anything but the latest release (2.2.x at this time)?

Database adapter MySQL (5.5.41-0+wheezy1)

You need to use mysql2 instead of mysql on Ruby >= 1.9.

Any suggestions on how to do that?

<source:tags/2.6.5/config/database.yml.example#L1>

i see.

#6 - 2015-05-13 16:22 - Toshi MARUYAMA

I said 1.9.3- **p194 (2012-04-20)** is too old.
ruby-1.9.3- **p551 (2014-11-13)** is last 1.9.3.

<http://cache.ruby-lang.org/pub/ruby/1.9/>

Antoine Beaupré wrote:

then why does the redmine wiki page shows 1.9.3 as a requirement?

<https://github.com/rails/rails/blob/v4.2.1/rails.gemspec#L10>

heck, for 2.6, 1.8.7 is a requirement!

<https://github.com/rails/rails/blob/v3.2.21/rails.gemspec#L12>

#7 - 2015-12-13 08:34 - Toshi MARUYAMA

- Status changed from Needs feedback to Closed
- Resolution set to No feedback

No feedback.