

## Redmine - Defect #3462

### CVS: Repository path encoding of non UTF-8 characters

2009-06-08 16:24 - Rodrigo Rosenfeld Rosas

<b>Status:</b>	Closed	<b>Start date:</b>	2009-06-08
<b>Priority:</b>	Low	<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>	1.2.0	<b>Affected version:</b>	
<b>Resolution:</b>	Fixed		

#### Description

We have some "ISO-8859-1" encoded filenames in our CVS repository. Repository.find(20).fetch\_updates yields this error:

ActiveRecord::StatementInvalid (PGError: ERROR: invalid byte sequence for encoding "UTF8": 0xf3706961

HINT: This error can also happen if the byte sequence does not match the encoding expected by the server, which is controlled by "client\_encoding".

```
: SELECT "changes".* FROM "changes" INNER JOIN changesets ON changes.changeset_id = changesets.id WHERE ("changes"."revision" = E'1.2' AND "changes"."path" = E'/xxxxx/AlterarSenha (c<F3>pia).png') AND (("changesets".repository_id = 20)) LIMIT 1):
```

...

The attached patch solved the problem for us.

Above is the relevant stack:

```
/opt/redmine/.gem/ruby/1.8/gems/activerecord-2.2.2/lib/active_record/connection_adapters/abstract_adapter.rb:188:in `log'
/opt/redmine/.gem/ruby/1.8/gems/activerecord-2.2.2/lib/active_record/connection_adapters/postgresql_adapter.rb:503:in `execute'
/opt/redmine/.gem/ruby/1.8/gems/activerecord-2.2.2/lib/active_record/connection_adapters/postgresql_adapter.rb:1000:in
`select_raw'
/opt/redmine/.gem/ruby/1.8/gems/activerecord-2.2.2/lib/active_record/connection_adapters/postgresql_adapter.rb:987:in `select'
/opt/redmine/.gem/ruby/1.8/gems/activerecord-2.2.2/lib/active_record/connection_adapters/abstract/database_statements.rb:7:in
`select_all_without_query_cache'
/opt/redmine/.gem/ruby/1.8/gems/activerecord-2.2.2/lib/active_record/connection_adapters/abstract/query_cache.rb:60:in
`select_all'
/opt/redmine/.gem/ruby/1.8/gems/activerecord-2.2.2/lib/active_record/connection_adapters/abstract/query_cache.rb:81:in
`cache_sql'
/opt/redmine/.gem/ruby/1.8/gems/activerecord-2.2.2/lib/active_record/connection_adapters/abstract/query_cache.rb:60:in
`select_all'
/opt/redmine/.gem/ruby/1.8/gems/activerecord-2.2.2/lib/active_record/base.rb:635:in `find_by_sql'
/opt/redmine/.gem/ruby/1.8/gems/activerecord-2.2.2/lib/active_record/base.rb:1490:in `find_every'
/opt/redmine/.gem/ruby/1.8/gems/activerecord-2.2.2/lib/active_record/base.rb:1452:in `find_initial'
/opt/redmine/.gem/ruby/1.8/gems/activerecord-2.2.2/lib/active_record/base.rb:587:in `find'
/opt/redmine/.gem/ruby/1.8/gems/activerecord-2.2.2/lib/active_record/base.rb:1812:in `find_by_path_and_revision'
/opt/redmine/.gem/ruby/1.8/gems/activerecord-2.2.2/lib/active_record/associations/association_collection.rb:370:in `send'
/opt/redmine/.gem/ruby/1.8/gems/activerecord-2.2.2/lib/active_record/associations/association_collection.rb:370:in
`method_missing'
/opt/redmine/.gem/ruby/1.8/gems/activerecord-2.2.2/lib/active_record/base.rb:2003:in `with_scope'
/opt/redmine/.gem/ruby/1.8/gems/activerecord-2.2.2/lib/active_record/associations/association_proxy.rb:202:in `send'
/opt/redmine/.gem/ruby/1.8/gems/activerecord-2.2.2/lib/active_record/associations/association_proxy.rb:202:in `with_scope'
/opt/redmine/.gem/ruby/1.8/gems/activerecord-2.2.2/lib/active_record/associations/association_collection.rb:366:in
`method_missing'
/app/models/repository/cvs.rb:107:in `fetch_changesets'
/lib/redmine/scm/adapters/cvs_adapter.rb:192:in `revisions'
```

```
/lib/redmine/scm/adapters/cvs_adapter.rb:126:in `each_line'  
/lib/redmine/scm/adapters/cvs_adapter.rb:126:in `revisions'  
/lib/redmine/scm/adapters/abstract_adapter.rb:181:in `call'  
/lib/redmine/scm/adapters/abstract_adapter.rb:181:in `shellout'  
/lib/redmine/scm/adapters/abstract_adapter.rb:179:in `popen'  
/lib/redmine/scm/adapters/abstract_adapter.rb:179:in `shellout'  
/lib/redmine/scm/adapters/abstract_adapter.rb:165:in `shellout'  
/lib/redmine/scm/adapters/cvs_adapter.rb:114:in `revisions'  
/app/models/repository/cvs.rb:104:in `fetch_changesets'  
/opt/redmine/.gem/ruby/1.8/gems/activerecord-2.2.2/lib/active_record/connection_adapters/postgresql_adapter.rb:550:in  
`transaction'  
/opt/redmine/.gem/ruby/1.8/gems/activerecord-2.2.2/lib/active_record/transactions.rb:129:in `transaction'  
/opt/redmine/.gem/ruby/1.8/gems/activerecord-2.2.2/lib/active_record/transactions.rb:138:in `transaction'  
/app/models/repository/cvs.rb:102:in `fetch_changesets'
```

#### Related issues:

Related to Redmine - Defect # 2664: Mercurial: Repository path encoding of no...	Closed	2009-02-04
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#### Associated revisions

##### Revision 5461 - 2011-04-15 09:15 - Toshi MARUYAMA

scm: cvs: set path encoding instance value (#3462).

##### Revision 5462 - 2011-04-15 09:16 - Toshi MARUYAMA

scm: cvs: convert encoding of command line arguments (#3462).

##### Revision 5463 - 2011-04-15 09:16 - Toshi MARUYAMA

scm: cvs: convert encoding paths in revisions() of adapter (#3462).

##### Revision 5464 - 2011-04-15 09:17 - Toshi MARUYAMA

scm: cvs: convert encoding paths in entries() of adapter (#3462).

##### Revision 5465 - 2011-04-15 09:18 - Toshi MARUYAMA

scm: cvs: add path encoding select box at setting (#3462).

##### Revision 5520 - 2011-04-23 05:35 - Toshi MARUYAMA

scm: use i18n string at path encoding setting (#2274, #2664, #3462, #5251).

##### Revision 5521 - 2011-04-23 05:35 - Toshi MARUYAMA

scm: add Japanese translation "field\_scm\_path\_encoding" (#2274, #2664, #3462, #5251).

**Revision 5522 - 2011-04-23 05:36 - Toshi MARUYAMA**

scm: update locales for path encoding setting (#2274, #2664, #3462, #5251).

**Revision 5523 - 2011-04-23 05:36 - Toshi MARUYAMA**

scm: use i18n string at path encoding setting note (#2274, #2664, #3462, #5251).

**Revision 5524 - 2011-04-23 05:37 - Toshi MARUYAMA**

scm: add Japanese string at path encoding setting note (#2274, #2664, #3462, #5251).

**Revision 5525 - 2011-04-23 05:37 - Toshi MARUYAMA**

scm: update locales for path encoding setting note (#2274, #2664, #3462, #5251).

**Revision 5630 - 2011-05-04 07:02 - Toshi MARUYAMA**

scm: cvs: fix loss non ASCII paths if path\_encoding is " (#3462).

**Revision 5863 - 2011-05-21 04:16 - Toshi MARUYAMA**

scm: add "path\_encoding" method in abstract adapter (#2274, #3462, #2664, #5251).

**Revision 5866 - 2011-05-21 04:18 - Toshi MARUYAMA**

scm: cvs: override "path\_encoding" method in adapter (#3462).

**Revision 5867 - 2011-05-21 04:19 - Toshi MARUYAMA**

scm: cvs: add unit adapter test of default path\_encoding is UTF-8 (#3462).

**History**

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**#1 - 2011-02-08 05:53 - Toshi MARUYAMA**

- Assignee set to Toshi MARUYAMA
- Priority changed from High to Normal

**#2 - 2011-02-21 01:46 - Toshi MARUYAMA**

- Assignee deleted (Toshi MARUYAMA)
- Priority changed from Normal to Low

Ruby 1.9 compatibility is very serious.

**#3 - 2011-04-15 09:00 - Toshi MARUYAMA**

- Assignee set to Toshi MARUYAMA

**#4 - 2011-04-15 09:01 - Toshi MARUYAMA**

- Subject changed from CVS path encoding problems to CVS: Repository path encoding of non UTF-8 characters

**#5 - 2011-04-15 09:21 - Toshi MARUYAMA**

- Target version set to 1.2.0

**#6 - 2011-04-15 09:24 - Toshi MARUYAMA**

- Status changed from New to Closed

- Resolution set to Fixed

I finished implementing in r5465.

I can not prepare test repository for same reason with filesystem repository #2274.

If tar ball has Latin-1 path encoding files, I can't extract it on my Japanese Windows.

There are same limitations with git #5251.

**Files**

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cvs-path-encoding.patch	471 Bytes	2009-06-08	Rodrigo Rosenfeld Rosas
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