Redmine - Defect #1663

Redmine+Git+PostgreSQL 8.3 Cannot work with multi-bytes language

2008-07-18 23:16 - Justin Waters

Status:	Closed		**Start date:**	2008-07-18
Priority:	Normal		**Due date:**	
Assignee:	Jean-Philippe Lang		**% Done:**	0%
Category:	SCM		**Estimated time:**	0.00 hour
Target version:	0.8			
Resolution:	Fixed		**Affected version:**	

Description

I'm running in to the same issues as the following two bugs, but using Git as the repository:

#834
#917

```
RuntimeError: ERROR    C22021    Minvalid byte sequence for encoding "UTF8": 0xa0    HThis error c
an also happen if the byte sequence does not match the encoding expected by the server, which is c
ontrolled by "client_encoding".    Fwchar.c    L1545    Rreport_invalid_encoding: INSERT INTO chan
gesets ("commit_date", "comments", "committed_on", "revision", "scmid", "repository_id", "committe
r") VALUES('2005-04-16 15:24:43.000000', E'[PATCH] intel8x0: AC\'97 audio patch for Intel ESB2

This patch adds the Intel ESB2 DID\'s to the intel8x0.c file for AC\'97 audio
support.

Signed-off-by: ◆Jason Gaston <Jason.d.gaston@intel.com>
Signed-off-by: Andrew Morton <akpm@osdl.org>
Signed-off-by: Linus Torvalds <torvalds@osdl.org>', '2005-04-16 15:24:43.000000', E'c4c8ea948aa215
27d502e87227b2f1d951bc506d', E'c4c8ea948aa21527d502e87227b2f1d951bc506d', 9, E'Jason Gaston <jason
.d.gaston@intel.com>')

/usr/local/lib/ruby/gems/1.8/gems/activerecord-2.0.2/lib/active_record/connection_adapters/abstrac
t_adapter.rb:150:in `log'
/usr/local/lib/ruby/gems/1.8/gems/activerecord-2.0.2/lib/active_record/connection_adapters/postgre
sql_adapter.rb:407:in `execute'
/usr/local/lib/ruby/gems/1.8/gems/activerecord-2.0.2/lib/active_record/connection_adapters/abstrac
t/database_statements.rb:156:in `insert_sql'
/usr/local/lib/ruby/gems/1.8/gems/activerecord-2.0.2/lib/active_record/connection_adapters/abstrac
t/database_statements.rb:44:in `insert_without_query_dirty'
/usr/local/lib/ruby/gems/1.8/gems/activerecord-2.0.2/lib/active_record/connection_adapters/abstrac
t/query_cache.rb:19:in `insert'
/usr/local/lib/ruby/gems/1.8/gems/activerecord-2.0.2/lib/active_record/connection_adapters/postgre
sql_adapter.rb:390:in `insert'
/usr/local/lib/ruby/gems/1.8/gems/activerecord-2.0.2/lib/active_record/base.rb:2272:in `create_wit
hout_callbacks'
/usr/local/lib/ruby/gems/1.8/gems/activerecord-2.0.2/lib/active_record/callbacks.rb:226:in `create
_without_timestamps'
/usr/local/lib/ruby/gems/1.8/gems/activerecord-2.0.2/lib/active_record/timestamp.rb:29:in `create'
/usr/local/lib/ruby/gems/1.8/gems/activerecord-2.0.2/lib/active_record/base.rb:2238:in `create_or_
update_without_callbacks'
/usr/local/lib/ruby/gems/1.8/gems/activerecord-2.0.2/lib/active_record/callbacks.rb:213:in `create
_or_update'
/usr/local/lib/ruby/gems/1.8/gems/activerecord-2.0.2/lib/active_record/base.rb:1972:in `save_witho
ut_validation'
/usr/local/lib/ruby/gems/1.8/gems/activerecord-2.0.2/lib/active_record/validations.rb:934:in `save
_without_transactions'
/usr/local/lib/ruby/gems/1.8/gems/activerecord-2.0.2/lib/active_record/transactions.rb:108:in `sav
e'
/usr/local/lib/ruby/gems/1.8/gems/activerecord-2.0.2/lib/active_record/connection_adapters/abstrac
t/database_statements.rb:66:in `transaction'
/usr/local/lib/ruby/gems/1.8/gems/activerecord-2.0.2/lib/active_record/transactions.rb:80:in `tran
saction'
```

```
/usr/local/lib/ruby/gems/1.8/gems/activerecord-2.0.2/lib/active_record/transactions.rb:100:in `tra
nsaction'
/usr/local/lib/ruby/gems/1.8/gems/activerecord-2.0.2/lib/active_record/transactions.rb:108:in `sav
e'
/usr/local/lib/ruby/gems/1.8/gems/activerecord-2.0.2/lib/active_record/transactions.rb:120:in `rol
lback_active_record_state!'
/usr/local/lib/ruby/gems/1.8/gems/activerecord-2.0.2/lib/active_record/transactions.rb:108:in `sav
e'
/usr/local/lib/ruby/gems/1.8/gems/activerecord-2.0.2/lib/active_record/base.rb:572:in `create'
app/models/repository/git.rb:51:in `fetch_changesets'
app/models/repository/git.rb:50:in `reverse_each'
app/models/repository/git.rb:50:in `fetch_changesets'
/usr/local/lib/ruby/gems/1.8/gems/activerecord-2.0.2/lib/active_record/connection_adapters/abstrac
t/database_statements.rb:66:in `transaction'
/usr/local/lib/ruby/gems/1.8/gems/activerecord-2.0.2/lib/active_record/transactions.rb:80:in `tran
saction'
/usr/local/lib/ruby/gems/1.8/gems/activerecord-2.0.2/lib/active_record/transactions.rb:100:in `tra
nsaction'
app/models/repository/git.rb:49:in `fetch_changesets'
/usr/local/lib/ruby/gems/1.8/gems/activerecord-2.0.2/lib/active_record/associations/association_pr
oxy.rb:125:in `send'
/usr/local/lib/ruby/gems/1.8/gems/activerecord-2.0.2/lib/active_record/associations/association_pr
oxy.rb:125:in `method_missing'
app/controllers/repositories_controller.rb:53:in `show'
/usr/local/lib/ruby/gems/1.8/gems/actionpack-2.0.2/lib/action_controller/base.rb:1158:in `send'
/usr/local/lib/ruby/gems/1.8/gems/actionpack-2.0.2/lib/action_controller/base.rb:1158:in `perform_
action_without_filters'
/usr/local/lib/ruby/gems/1.8/gems/actionpack-2.0.2/lib/action_controller/filters.rb:697:in `call_f
ilters'
/usr/local/lib/ruby/gems/1.8/gems/actionpack-2.0.2/lib/action_controller/filters.rb:689:in `perfor
m_action_without_benchmark'
/usr/local/lib/ruby/gems/1.8/gems/actionpack-2.0.2/lib/action_controller/benchmarking.rb:68:in `pe
rform_action_without_rescue'
/usr/local/lib/ruby/1.8/benchmark.rb:293:in `measure'
/usr/local/lib/ruby/gems/1.8/gems/actionpack-2.0.2/lib/action_controller/benchmarking.rb:68:in `pe
rform_action_without_rescue'
/usr/local/lib/ruby/gems/1.8/gems/actionpack-2.0.2/lib/action_controller/rescue.rb:199:in `perform
_action_without_caching'
/usr/local/lib/ruby/gems/1.8/gems/actionpack-2.0.2/lib/action_controller/caching.rb:678:in `perfor
m_action'
/usr/local/lib/ruby/gems/1.8/gems/activerecord-2.0.2/lib/active_record/connection_adapters/abstrac
t/query_cache.rb:33:in `cache'
/usr/local/lib/ruby/gems/1.8/gems/activerecord-2.0.2/lib/active_record/query_cache.rb:8:in `cache'
/usr/local/lib/ruby/gems/1.8/gems/actionpack-2.0.2/lib/action_controller/caching.rb:677:in `perfor
m_action'
/usr/local/lib/ruby/gems/1.8/gems/actionpack-2.0.2/lib/action_controller/base.rb:524:in `send'
/usr/local/lib/ruby/gems/1.8/gems/actionpack-2.0.2/lib/action_controller/base.rb:524:in `process_w
ithout_filters'
/usr/local/lib/ruby/gems/1.8/gems/actionpack-2.0.2/lib/action_controller/filters.rb:685:in `proces
s_without_session_management_support'
/usr/local/lib/ruby/gems/1.8/gems/actionpack-2.0.2/lib/action_controller/session_management.rb:123
:in `process'
/usr/local/lib/ruby/gems/1.8/gems/actionpack-2.0.2/lib/action_controller/base.rb:388:in `process'
/usr/local/lib/ruby/gems/1.8/gems/actionpack-2.0.2/lib/action_controller/dispatcher.rb:171:in `han
dle_request'
/usr/local/lib/ruby/gems/1.8/gems/actionpack-2.0.2/lib/action_controller/dispatcher.rb:115:in `dis
patch'
/usr/local/lib/ruby/gems/1.8/gems/actionpack-2.0.2/lib/action_controller/dispatcher.rb:126:in `dis
patch_cgi'
/usr/local/lib/ruby/gems/1.8/gems/actionpack-2.0.2/lib/action_controller/dispatcher.rb:9:in `dispa
tch'
/usr/local/lib/ruby/gems/1.8/gems/mongrel-1.1.5/lib/mongrel/rails.rb:76:in `process'
/usr/local/lib/ruby/gems/1.8/gems/mongrel-1.1.5/lib/mongrel/rails.rb:74:in `synchronize'
/usr/local/lib/ruby/gems/1.8/gems/mongrel-1.1.5/lib/mongrel/rails.rb:74:in `process'
/usr/local/lib/ruby/gems/1.8/gems/mongrel-1.1.5/lib/mongrel.rb:159:in `process_client'
/usr/local/lib/ruby/gems/1.8/gems/mongrel-1.1.5/lib/mongrel.rb:158:in `each'
/usr/local/lib/ruby/gems/1.8/gems/mongrel-1.1.5/lib/mongrel.rb:158:in `process_client'
```

```
/usr/local/lib/ruby/gems/1.8/gems/mongrel-1.1.5/lib/mongrel.rb:285:in `run'
/usr/local/lib/ruby/gems/1.8/gems/mongrel-1.1.5/lib/mongrel.rb:285:in `initialize'
/usr/local/lib/ruby/gems/1.8/gems/mongrel-1.1.5/lib/mongrel.rb:285:in `new'
/usr/local/lib/ruby/gems/1.8/gems/mongrel-1.1.5/lib/mongrel.rb:285:in `run'
/usr/local/lib/ruby/gems/1.8/gems/mongrel-1.1.5/lib/mongrel.rb:268:in `initialize'
/usr/local/lib/ruby/gems/1.8/gems/mongrel-1.1.5/lib/mongrel.rb:268:in `new'
/usr/local/lib/ruby/gems/1.8/gems/mongrel-1.1.5/lib/mongrel.rb:268:in `run'
/usr/local/lib/ruby/gems/1.8/gems/mongrel-1.1.5/lib/mongrel/configurator.rb:282:in `run'
/usr/local/lib/ruby/gems/1.8/gems/mongrel-1.1.5/lib/mongrel/configurator.rb:281:in `each'
/usr/local/lib/ruby/gems/1.8/gems/mongrel-1.1.5/lib/mongrel/configurator.rb:281:in `run'
/usr/local/lib/ruby/gems/1.8/gems/mongrel-1.1.5/bin/mongrel_rails:128:in `run'
/usr/local/lib/ruby/gems/1.8/gems/mongrel-1.1.5/lib/mongrel/command.rb:212:in `run'
/usr/local/lib/ruby/gems/1.8/gems/mongrel-1.1.5/bin/mongrel_rails:281
/usr/local/bin/mongrel_rails:19:in `load'
/usr/local/bin/mongrel_rails:19
```

Environment

- Server OS: Debian Etch Stable AMD64
- Redmine: 0.7.3
- Ruby: 1.8.6
- Rails: 2.0.2
- PostgreSQL: 8.3.3
- Git: 1.4.4.4

Associated revisions

Revision 1767 - 2008-08-26 14:13 - Jean-Philippe Lang

Adds support for commit logs reencoding to UTF-8 before insertion in the database (#834, #917, #1663).
Source encoding of commit logs can be selected in Application settings -> Repositories.

History

#1 - 2008-07-20 19:45 - Jean-Philippe Lang

I think you can configure git so that it outputs utf8 encoded commit logs.

#2 - 2008-08-26 14:12 - Jean-Philippe Lang

r1767 adds support for commit messages reencoding.
Choose the appropriate source enconding in Application settings -> Repositories. Messages will be reencoded to UTF-8 before insertion in the database.

#3 - 2008-08-26 14:12 - Jean-Philippe Lang

- Status changed from New to Closed

- Target version set to 0.8

- Resolution set to Fixed

#4 - 2009-01-22 08:44 - Jérémy Lal

- Status changed from Closed to Reopened

- Assignee set to Jean-Philippe Lang

Something quite similar is happening now, some guy used latin-1 to type his log message in git (it should have been UTF-8).

- UTF-8 is checked in settings/repositories.
- locale and database : unicode

```
Rendering /usr/share/redmine/public/500.html (500 Internal Server Error)

Processing RepositoriesController#show (for 90.20.10.177 at 2009-01-22 07:54:43) [GET]
  Session ID: bdea66d703997d016cd8d48f05b88262
  Parameters: {"action"=>"show", "id"=>"test", "controller"=>"repositories"}

ActiveRecord::StatementInvalid (PGError: ERREUR:  séquence d'octets invalide pour l'encodage « UTF8 » : 0x88
HINT:  Cette erreur peut aussi survenir si la séquence d'octets ne correspond pas
au jeu de caractères attendu par le serveur, le jeu étant contrôlé par
« client_encoding ».
```

```
: INSERT INTO "changesets" ("committed_on", "comments", "commit_date", "scmid", "user_id", "revision", "reposi
tory_id", "committer") VALUES('2009-01-19 18:39:28.000000', E'HERE ~^H ENCODING ERROR', '2009-01-19 18:39:28.0
00000', E'09ddea6b5f0822f8181bbc616beed35b04176e2f', 3, E'09ddea6b5f0822f8181bbc616beed35b04176e2f', 1, E'Some
 Name <somename@some.com>') RETURNING "id"):
    /var/lib/gems/1.8/gems/activerecord-2.1.2/lib/active_record/connection_adapters/abstract_adapter.rb:147:in
 `log'
    /var/lib/gems/1.8/gems/activerecord-2.1.2/lib/active_record/connection_adapters/postgresql_adapter.rb:484:
in `execute'
    /var/lib/gems/1.8/gems/activerecord-2.1.2/lib/active_record/connection_adapters/postgresql_adapter.rb:929:
in `select_raw'
    /var/lib/gems/1.8/gems/activerecord-2.1.2/lib/active_record/connection_adapters/postgresql_adapter.rb:916:
in `select'
    /var/lib/gems/1.8/gems/activerecord-2.1.2/lib/active_record/connection_adapters/abstract/database_statemen
ts.rb:7:in `select_all_without_query_cache'
    /var/lib/gems/1.8/gems/activerecord-2.1.2/lib/active_record/connection_adapters/abstract/query_cache.rb:59
:in `select_all'
    /var/lib/gems/1.8/gems/activerecord-2.1.2/lib/active_record/connection_adapters/abstract/query_cache.rb:80
:in `cache_sql'
    /var/lib/gems/1.8/gems/activerecord-2.1.2/lib/active_record/connection_adapters/abstract/query_cache.rb:59
:in `select_all'
    /var/lib/gems/1.8/gems/activerecord-2.1.2/lib/active_record/connection_adapters/abstract/database_statemen
ts.rb:13:in `select_one'
    /var/lib/gems/1.8/gems/activerecord-2.1.2/lib/active_record/connection_adapters/abstract/database_statemen
ts.rb:19:in `select_value'
    /var/lib/gems/1.8/gems/activerecord-2.1.2/lib/active_record/connection_adapters/postgresql_adapter.rb:433:
in `insert'
    /var/lib/gems/1.8/gems/activerecord-2.1.2/lib/active_record/base.rb:2517:in `create_without_callbacks'
    /var/lib/gems/1.8/gems/activerecord-2.1.2/lib/active_record/callbacks.rb:220:in `create_without_timestamps
'
    /var/lib/gems/1.8/gems/activerecord-2.1.2/lib/active_record/timestamp.rb:29:in `create'
    /var/lib/gems/1.8/gems/activerecord-2.1.2/lib/active_record/base.rb:2483:in `create_or_update_without_call
backs'
    /var/lib/gems/1.8/gems/activerecord-2.1.2/lib/active_record/callbacks.rb:207:in `create_or_update'
    /var/lib/gems/1.8/gems/activerecord-2.1.2/lib/active_record/base.rb:2217:in `save_without_validation!'
    /var/lib/gems/1.8/gems/activerecord-2.1.2/lib/active_record/validations.rb:921:in `save_without_dirty!'
    /var/lib/gems/1.8/gems/activerecord-2.1.2/lib/active_record/dirty.rb:83:in `save_without_transactions!'
    /var/lib/gems/1.8/gems/activerecord-2.1.2/lib/active_record/transactions.rb:110:in `save!'
    /var/lib/gems/1.8/gems/activerecord-2.1.2/lib/active_record/connection_adapters/abstract/database_statemen
ts.rb:66:in `transaction'
    /var/lib/gems/1.8/gems/activerecord-2.1.2/lib/active_record/transactions.rb:79:in `transaction'
    /var/lib/gems/1.8/gems/activerecord-2.1.2/lib/active_record/transactions.rb:98:in `transaction'
    /var/lib/gems/1.8/gems/activerecord-2.1.2/lib/active_record/transactions.rb:110:in `save!'
    /var/lib/gems/1.8/gems/activerecord-2.1.2/lib/active_record/transactions.rb:118:in `rollback_active_record
_state!'
    /var/lib/gems/1.8/gems/activerecord-2.1.2/lib/active_record/transactions.rb:110:in `save!'
    /var/lib/gems/1.8/gems/activerecord-2.1.2/lib/active_record/validations.rb:892:in `create!'
    /app/models/repository/git.rb:50:in `fetch_changesets'
    /var/lib/gems/1.8/gems/activerecord-2.1.2/lib/active_record/connection_adapters/abstract/database_statemen
ts.rb:66:in `transaction'
    /var/lib/gems/1.8/gems/activerecord-2.1.2/lib/active_record/transactions.rb:79:in `transaction'
    /var/lib/gems/1.8/gems/activerecord-2.1.2/lib/active_record/transactions.rb:98:in `transaction'
    /app/models/repository/git.rb:49:in `fetch_changesets'
    /lib/redmine/scm/adapters/git_adapter.rb:165:in `revisions'
    /lib/redmine/scm/adapters/git_adapter.rb:151:in `each_line'
    /lib/redmine/scm/adapters/git_adapter.rb:151: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/git_adapter.rb:145:in `revisions'
    /app/models/repository/git.rb:47:in `fetch_changesets'
    /var/lib/gems/1.8/gems/activerecord-2.1.2/lib/active_record/associations/association_proxy.rb:173:in `send
'
    /var/lib/gems/1.8/gems/activerecord-2.1.2/lib/active_record/associations/association_proxy.rb:173:in `meth
od_missing'
    /app/controllers/repositories_controller.rb:69:in `show'
```

Environment

- **Server OS : Debian etch**
- **Redmine : 0.8.0**
- **Ruby : 1.8.7**
- **Rails : 2.1.2**

- **Postgresql : 8.3.5**
- **Git : 1.5.6.5**

#5 - 2009-01-22 09:13 - Jérémy Lal

indeed git-log returns the comment as :
some stuff <88> and stuff
it should be "à", but it seems that the client's editor screwed that character encoding.
is there a way to correct this ? i'm not going to do a rebase to correct the commit messages...

#6 - 2009-01-22 09:23 - Jérémy Lal

after investigation, instead of doing nothing to the string, may be this would be better :
in app/models/changeset.rb, line 148 :

```
return Iconv.conv('UTF-8//IGNORE', encoding, str)
```

that would strip illegal characters, so it's failure proof.

#7 - 2009-01-22 09:37 - Jérémy Lal

i just made that modification, restarted web server, and i still get the error.
It seems
changeset.rb#to_utf8
is not called. I'm probably missing something.
Sorry for the hammering.

#8 - 2009-01-22 17:27 - Jean-Philippe Lang

- Status changed from Reopened to Closed

It's not called if 'Commit messages encoding' is set to UTF-8 (no reencoding required).
It should be set to something like ISO-8859-1 since your git logs are not UTF-8.

Open a new ticket if needed.

#9 - 2010-02-09 03:28 - Oren Laadan

Hi,

I also hit this one before, and now again.
You asked to open a new ticket - so here it is:
Issue #4773

Thanks,

Oren.