I upgraded from Redmine 1.4.4 to Redmine 2.3.2.

Redmine is built as a war using warbler-1.3.8, JRuby 1.7.2 and run on TOMCAT 7.0.37 with a JVM 1.6.31 on a RHEL 64 bit machine.

The database is a Mysql 5.5.28 and redmine tables are using a charset utf8.

We connect Redmine database with the following database.yml:

```yaml
production:
  adapter: jdbc
  jndi: java:/comp/env/jdbc/Redmine
  driver: com.mysql.jdbc.Driver
```

We do sometime observe the following issue:

```
Encoding::CompatibilityError (incompatible character encodings: ASCII-8BIT and UTF-8):
  app/models/issue.rb:159:in `create_or_update'
  app/controllers/issues_controller.rb:141:in `create'
```

The last database log before the exception is

```
INFO: [1m][36m]Issue Load (1.0ms)[0m  [1m]SELECT `issues`.* FROM `issues` WHERE `issues`.`root_id` IS NULL ORDER BY `rgt` desc LIMIT 1 FOR UPDATE[0m
```

Note that we can create issues with all kind of strange characters both in subject and detail. But the following case:

```plaintext
Subject=AS400 : fonctionnement autorisation utilisation email à revoir
Detail=Rendre pré-alimenter à l'utilisation
```

fails systematically. If the subject becomes "AS400 : fonctionnement autorisation utilisation" and the detail remains unchanged it works !

As a workaround we can create the issue with the subject and update it with the detail in a second step...
Subject changed from Encoding error when creating issues to JRuby: Encoding error when creating issues
Category changed from Issues to Ruby support

#2 - 2013-09-16 15:42 - Vincent Mathon

I have solved the problem by upgrading activerecord-jdbc-adapter to version 1.2.7 (this issue seems to be related to an activerecord-jdbc-adapter encoding defect).
To achieve this I have modified two files:

**Gemfile**

```ruby
....
platforms :jruby do
  # jruby-openssl is bundled with JRuby 1.7.0
  gem "jruby-openssl" if Object.const_defined?(:JRUBY_VERSION) && JRUBY_VERSION < '1.7.0'
  gem "activerecord-jdbc-adapter", "1.2.7"
end
....
```

and **Gemfile.lock**

```ruby
....
activerecord (3.2.13)
  activemodel (= 3.2.13)
  activesupport (= 3.2.13)
  arel (~> 3.0.2)
  tzinfo (~> 0.3.29)
  activerecord-jdbc-adapter (1.2.7)
  activerecord-jdbcmysql-adapter (1.2.7)
  activerecord-jdbc-adapter (~> 1.2.7)
  jdbc-mysql (~> 5.1.0)
....
```

**DEPENDENCIES**

activerecord-jdbc-adapter (= 1.2.7)

....

Sincerely
Vincent MATHON

#3 - 2013-09-21 17:59 - Toshi MARUYAMA
- Target version set to 2.3.4

#4 - 2013-09-23 03:44 - Toshi MARUYAMA
- Related to Defect #14883: Update activerecord-jdbc-adapter added
Updated jdbc adapter version above 1.2.6 in Gemfile by trunk r12172 and 2.3-stable r12174.