

Redmine - Feature #2272

Redmine on Oracle Database - Windows Installation

2008-12-03 22:46 - Rodrigo Mesquita

Status:	Closed	Start date:	2008-12-03
Priority:	Normal	Due date:	
Assignee:		% Done:	100%
Category:	Database	Estimated time:	1.00 hour
Target version:			
Resolution:	Fixed		

Description

Hi folks!

This time i won't bother you with another problem to make Redmine compatible with Oracle.  
I finally find a Oracle Adapter that fits with my environment.

What i've got:

```
ruby186-26
redmine-0.7.3
ruby-oci8-1.0.3-mswin32
activerecord-oracle_enhanced-adapter 1.1.8
Oracle Database XE
Windows XP Professional SP3
```

The steps i ran were:

- 1 - Installing Ruby (<http://rubyforge.org/frs/download.php/29263/ruby186-26.exe>) and put it on Windows PATH
- 2 - Unzipped Redmine (<http://rubyforge.org/frs/download.php/39478/redmine-0.7.3.zip>)
- 3 - I did some changes on \db\migrate\001\_setup.rb as:

```
create_table "projects", :force => true do |t|
  t.column "name", :string, :limit => 30, :default => "", :null => false
  t.column "description", :text, :default => nil, :null => true
  t.column "homepage", :string, :limit => 60, :default => ""
  t.column "is_public", :boolean, :default => true, :null => false
  t.column "parent_id", :integer
  t.column "projects_count", :integer, :default => 0
  t.column "created_on", :timestamp
  t.column "updated_on", :timestamp
end
```

and

```
create_table "users", :force => true do |t|
  t.column "login", :string, :limit => 30, :default => "", :null => true
  t.column "hashed_password", :string, :limit => 40, :default => "", :null => true
  t.column "firstname", :string, :limit => 30, :default => "", :null => true
  t.column "lastname", :string, :limit => 30, :default => "", :null => false
  t.column "mail", :string, :limit => 60, :default => "", :null => true
  t.column "mail_notification", :boolean, :default => true, :null => false
  t.column "admin", :boolean, :default => false, :null => false
  t.column "status", :integer, :default => 1, :null => false
  t.column "last_login_on", :datetime
  t.column "language", :string, :limit => 2, :default => ""
  t.column "auth_source_id", :integer
  t.column "created_on", :timestamp
  t.column "updated_on", :timestamp
end
```

- 4 - Other small changes on \db\migrate\091\_change\_changesets\_revision\_to\_string.rb

```

class ChangeChangesetsRevisionToString < ActiveRecord::Migration
  def self.up
    change_column :changesets, :revision, :string
  end

  def self.down
    change_column :changesets, :revision, :integer
  end
end

```

5 - Deleted the file \db\migrate\087\_change\_projects\_description\_to\_text.rb

6 - Altered the \config\database.yml as follows:

```

production:
  adapter: oracle_enhanced
  host: <host>:1521:XE
  username: username
  password: pass

```

7 - Configured the \config\environment.rb to work with my SMTP address.

8 - Created on folder \config a sub-folder named initializers and put the file oracle\_enhanced.rb with this:

```
ActiveRecord::ConnectionAdapters::OracleEnhancedAdapter.emulate_dates_by_column_name = true
```

```

ActiveRecord::ConnectionAdapters::OracleEnhancedAdapter.instance_eval do
  self.string_to_date_format = "%d/%m/%Y"
  self.string_to_time_format = "%d/%m/%Y %H:%M:%S"
end

```

9 - Downloaded the oci8 (<http://rubyforge.org/frs/download.php/41043/ruby-oci8-1.0.3-mswin32.rb>) and installed as:

```
c:\ruby> ruby ruby-oci8-1.0.3-mswin32.rb
```

10 - Install the oracle\_enhanced ([http://rubyforge.org/frs/download.php/44889/activerecord-oracle\\_enhanced-adapter-1.1.8.gem](http://rubyforge.org/frs/download.php/44889/activerecord-oracle_enhanced-adapter-1.1.8.gem)) as follows:

```
c:\ruby> gem install activerecord-oracle_enhanced-adapter
```

11 - Create a user on OracleDB with DBA privileges.

12 - Execute this command: c:\redmine> rake db:migrate RAILS\_ENV=production

13 - Execute this command: c:\redmine> ruby script/server -e production

14 - Go to browser and: <http://localhost:3000/>

Congratulations!

You finished it!

Considerations:

```

001 - I can't load default data. An error occurred on inserting the collumn description due its
size.
002 - The issues started at number 10000.

```

All other features are working fine. These considerations can be easily fixed with a minuncious analisys of adapter\_enhanced. (I'm very occupied and can't see this for now - if someone could fix i apreciate it)

Hope i help the users who needs to use Redmine with Oracle.

I invite these people to test and validate the fix in this thread.

Cheers.

P.S: Sorry for the poor English.

#### Related issues:

Related to Redmine - Feature #944: Oracle Support in Redmine

Closed

2008-03-28

## History

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### #1 - 2008-12-03 22:58 - Rodrigo Mesquita

I've not mentioned it on the text above...

But the purpose of this topic is to provide the necessary information to include a How-to on redmine.org to those people who needs to use Redmine on Oracle.

Thanks

### #2 - 2008-12-04 02:17 - Rodrigo Mesquita

- Status changed from New to Resolved

- % Done changed from 90 to 100

To start the number of issue on 1, alter the file

C:\ruby\lib\ruby\gems\1.8\gems\activerecord-oracle\_enhanced-adapter-1.1.8\lib\active\_record\connection\_adapters\oracle\_enhanced\_adapter.rb:

```
def create_table(name, options = {}, &block) #:nodoc:
  create_sequence = options[:id] != false
  if create_sequence
    super(name, options, &block)
  else
    super(name, options) do |t|
      class <<t
        attr_accessor :create_sequence
        def primary_key(*args)
          self.create_sequence = true
          super(*args)
        end
      end
      result = block.call(t)
      create_sequence = t.create_sequence
    end
  end
  seq_name = options[:sequence_name] || "#{name}_seq"
  execute "CREATE SEQUENCE #{seq_name} START WITH 1" if create_sequence #This line alter the value 100
end
```

Despite the problem on insert...

Alter the db\migrate\001\_start.rb

```
create_table "enumerations", :force => true do |t|
  t.column "opt", :string, :limit => 4, :default => "", :null => false
  t.column "name", :string, :limit => 40, :default => "", :null => false #Change limit of 30 to 40
end
```

### #3 - 2009-06-07 15:13 - Rodrigo Mesquita

- File Installing\_Redmine\_Oracle.pdf added

Hi folks!

I did some modifications on the above configuration, because i updated the version of redmine from 0.7.3 to 0.8.4 (i also tested on 0.8.0 RC1).

Worked fine with this environment:

```
ruby186-26
redmine-0.8.4
ruby-oci8-1.0.3-mswin32
activerecord-oracle_enhanced-adapter 1.1.8
Oracle Database XE
Windows XP Professional SP3
```

Until now, no problem on using it. From 0.8.0 to 0.8.4 i noticed a great raise of performance, making it comparable to MySQL databases... Congratulations!

Sorry for the language of the document attached. Next post i'll send in English language.

I also ask you admins to definetly make this software Oracle's compatible.

Thanks.

#4 - 2012-10-28 18:21 - Daniel Felix

In my opinion, this ticket could be closed, doesn't it?

#5 - 2018-10-03 05:12 - Go MAEDA

- Status changed from Resolved to Closed

Files

Installing_Redmine_Oracle.pdf	179 KB	2009-06-07	Rodrigo Mesquita
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