# Redmine - Defect #7245

## Wiki fails to find pages with cyrillic characters using postgresql

2011-01-07 12:15 - Artem Malahov

| | | | |
|---|---|---|---|
| **Status:** | Closed | **Start date:** | 2011-01-07 |
| **Priority:** | Normal | **Due date:** | |
| **Assignee:** | | **% Done:** | 0% |
| **Category:** | I18n | **Estimated time:** | 0.00 hour |
| **Target version:** | 1.1.1 | | |
| **Resolution:** | Fixed | **Affected version:** | 1.1.0 |

**Description**

hello

I have updated my redmine from version 1.0.3 to version 1.0.5 (revision 4651) as write on Guide, but my wiki pages was deleted...

I looked postgres database, and found all my pages in it.

They also appear on the page table of contents.

But they dont work :(.
I traced that not displays (and does't create) only pages containing:
uppercase symbols
special chars (',' etc)

Now i rename all my pages to new right, but what to do in the future? or how can I solve the problem?

I write to forum.

My versions:

```
first ~ # ruby -v
ruby 1.8.7 (2010-08-16 patchlevel 302) [x86_64-linux]
first ~ # rails -v
Rails 2.3.5
first ~ # postgres --version
postgres (PostgreSQL) 8.4.4
first redmine.iso.vc # svn update
At revision 4651
```

rack 1.0.1
redmine 1.0.5 r4651

### Associated revisions

**Revision 4680 - 2011-01-10 19:32 - Jean-Philippe Lang**

Fixed: wiki pages with cyrillic characters not found with postgresql (#7245).

### History

**#1 - 2011-01-08 13:19 - Jean-Philippe Lang**

There is no database migration and no change in wiki controller/model in 1.0-stable, so I don't have a clue.

**#2 - 2011-01-08 17:22 - Artem Malahov**

Jean-Philippe Lang wrote:

> There is no database migration and no change in wiki controller/model in 1.0-stable, so I don't have a clue.

May be problem in new version of i18n?

```
gem install i18n -v=0.4.2
```

#### #3 - 2011-01-09 11:54 - Jean-Philippe Lang

I don't think so.

#### #4 - 2011-01-10 09:52 - Artem Malahov

Jean-Philippe Lang wrote:

> There is no database migration and no change in wiki controller/model in 1.0-stable, so I don't have a clue.

hello!

today i retest my redmine. I copy my backup and try to update it. That i see:

```
first /vhosts # cp -R redmine.iso.vc.bak redmine.iso.vc.bak.test
first /vhosts # cd redmine.iso.vc.bak.test
first redmine.iso.vc.bak.test # svn update > upd.txt
first redmine.iso.vc.bak.test # cat upd.txt | grep wiki
U    test/unit/wiki_test.rb
U    test/unit/lib/redmine/wiki_formatting/textile_formatter_test.rb
U    test/unit/lib/redmine/wiki_formatting/macros_test.rb
U    test/unit/lib/redmine/wiki_formatting.rb
U    test/unit/wiki_redirect_test.rb
U    test/unit/wiki_content_test.rb
U    test/unit/wiki_page_test.rb
U    test/functional/wikis_controller_test.rb
U    test/functional/wiki_controller_test.rb
U    app/models/wiki.rb
U    app/controllers/wiki_controller.rb
U    app/views/wiki/history.rhtml
U    app/views/wiki/diff.rhtml
```

I don't spec in svn/ruby, but i see that wiki is updated...

#### #5 - 2011-01-10 09:58 - Artem Malahov

And that i'am find in repository:
http://www.redmine.org/projects/redmine/repository/diff/trunk/app/models/wiki.rb?rev=4430&rev_to=3632

I think than this changes are bad.
May be problem in russian locale?

My lates version (1.0.3) revision is:

```
first redmine.iso.vc.bak.test # svn info
Path: .
URL: http://redmine.rubyforge.org/svn/trunk
Repository Root: http://redmine.rubyforge.org/svn
Repository UUID: e93f8b46-1217-0410-a6f0-8f06a7374b81
Revision: 4388
Node Kind: directory
Schedule: normal
Last Changed Author: jplang
Last Changed Rev: 4388
Last Changed Date: 2010-11-08 01:38:10 +0300 (Пнд, 08 Ноя 2010)
```

#### #6 - 2011-01-10 10:24 - Peng Wang

Yes, it took place on my installation too (from 1.0.2 to 1.1.0), editing wiki pages will result in failure

```
I18n::MissingInterpolationArgument (missing interpolation argument in "'%{page}' wiki□□□□\346\226\260" ({:id=>
"Contacts"} given)):
  C:/Program Files/BitNami Redmine Stack/ruby/lib/ruby/gems/1.8/gems/i18n-0.4.2/lib/i18n/backend/base.rb:174:i
n `interpolate_without_deprecated_syntax'
  C:/Program Files/BitNami Redmine Stack/ruby/lib/ruby/gems/1.8/gems/i18n-0.4.2/lib/i18n/backend/base.rb:46:in
 `translate'
  C:/Program Files/BitNami Redmine Stack/ruby/lib/ruby/gems/1.8/gems/i18n-0.4.2/lib/i18n.rb:160:in `t'
  lib/redmine/i18n.rb:13:in `l'
  app/models/mailer.rb:198:in `wiki_content_updated'
  app/models/wiki_content_observer.rb:25:in `after_update'
  C:/Program Files/BitNami Redmine Stack/ruby/lib/ruby/1.8/observer.rb:185:in `notify_observers'
  C:/Program Files/BitNami Redmine Stack/ruby/lib/ruby/1.8/observer.rb:184:in `each'
  C:/Program Files/BitNami Redmine Stack/ruby/lib/ruby/1.8/observer.rb:184:in `notify_observers'
```

```
app/controllers/wiki_controller.rb:123:in `update'
```

#### #7 - 2011-01-10 10:52 - Artem Malahov

After several attempts, I found an error:
problem in method .downcase - they don'n work with russian locale...

I am now looking for a solution...

#### #8 - 2011-01-10 11:13 - Artem Malahov

Artem Malahov wrote:

> After several attempts, I found an error:
> problem in method .downcase - they don'n work with russian locale...
>
> I am now looking for a solution...

For me solution is:

1. install gem unicode

```
first models # gem install unicode
```

2. replace code in /app/models/wiki.rb from

```
  # find the page with the given title
  def find_page(title, options = {})
    title = start_page if title.blank?
    title = Wiki.titleize(title).downcase
    page = pages.first(:conditions => ["LOWER(title) LIKE ?", title])
    if !page && !(options[:with_redirect] == false)
      # search for a redirect
      redirect = redirects.first(:conditions => ["LOWER(title) LIKE ?", title])
      page = find_page(redirect.redirects_to, :with_redirect => false) if redirect
    end
    page
  end
```

to

```
# find the page with the given title
  def find_page(title, options = {})
    require 'unicode'
    title = start_page if title.blank?
    #title = Wiki.titleize(title).downcase
    title = Unicode::downcase(Wiki.titleize(title))
    page = pages.first(:conditions => ["LOWER(title) LIKE ?", title])
    if !page && !(options[:with_redirect] == false)
      # search for a redirect
      redirect = redirects.first(:conditions => ["LOWER(title) LIKE ?", title])
      page = find_page(redirect.redirects_to, :with_redirect => false) if redirect
    end
    page
  end
```

#### #9 - 2011-01-10 18:56 - Jean-Philippe Lang

*- Target version set to 1.1.1*

Another option would be to let the database to the job:

```
page = pages.first(:conditions => ["LOWER(title) LIKE LOWER(?)", title])
```

Tested OK with postgresql and cyrillic.

#### #10 - 2011-01-10 19:24 - Jean-Philippe Lang

*- Affected version (unused) changed from 1.0.5 to 1.1.0*

*- Affected version changed from 1.0.5 to 1.1.0*

Changing affected version since 1.0.5 **stable** is not affected.

**#11 - 2011-01-10 19:30 - Jean-Philippe Lang**

*- Status changed from New to Resolved*

Fix committed in r4680 in trunk. Please, can you confirm the fix?

**#12 - 2011-01-11 06:27 - Artem Malahov**

Jean-Philippe Lang wrote:

> Fix committed in r4680 in trunk. Please, can you confirm the fix?

yes. i update my revision and got a changes! Thank you!

**#13 - 2011-01-16 15:45 - Jean-Philippe Lang**

*- Subject changed from After update (1.0.5) wiki fail to Wiki fails to find pages with cyrillic characters using postgresql*

*- Status changed from Resolved to Closed*

*- Resolution set to Fixed*

Merged in 1.1-stable in r4728.
Thanks for the feedback.

**#14 - 2011-04-15 18:25 - Etienne Massip**

*- Category set to I18n*

## Files

| | | | |
|---|---|---|---|
| 1.jpg | 60.9 KB | 2011-01-07 | Artem Malahov |
| 2.jpg | 39.7 KB | 2011-01-07 | Artem Malahov |
| 3.jpg | 37.2 KB | 2011-01-07 | Artem Malahov |
| 4.jpg | 18.9 KB | 2011-01-07 | Artem Malahov |