

Ruby 1.8 - Bug #2947

win32ole & MS Access 2007

03/10/2010 12:09 AM - plang (Philippe Lang)

| | |
|--|---|
| Status: | Open |
| Priority: | Normal |
| Assignee: | |
| Target version: | Ruby 1.8.6 |
| ruby -v: | ruby 1.8.6 (2010-02-04 patchlevel 398) [i386-mingw32] or ruby 1.8.6 (2007-09-24 patchlevel 111) [i386-mswin32] |
| Description | |
| <pre>=begin Hi,</pre> | |
| When opening a MS Access database with ruby code like | |
| <pre>require 'win32ole' access = WIN32OLE.new('Access.Application') database = File.expand_path('db2000.mdb') access.OpenCurrentDatabase(database, false) access.DoCmd.OpenReport("rptTest") access.Visible = true</pre> | |
| ... database is opened read-write with MS Access 2000/2003, and read-only with MS Access 2007. | |
| I have made tests under Window 7 with ruby 1.8.6 patchlevel 111 and patchlevel 398. | |
| Database format is not an issue: the same problem happens with a database in 2000 (mdb) or 2007 (accdb) format. | |
| I'm not sure if that's a ruby bug or a MS Access limitation, but vbs code like | |
| <pre>Set objAcc = WScript.CreateObject("Access.Application") strDBName = "C:\Users\Philippe Lang\Desktop\db2000.mdb" objAcc.OpenCurrentDatabase strDBName objAcc.run "get_document_lines_store", "1234", "L", "1" objAcc.DoCmd.OpenReport "rptTest", 2, "", "" objAcc.Visible = true</pre> | |
| ... opens the database read-write, whatever version of MS Access we use. | |
| <pre>=end</pre> | |

History

#1 - 05/05/2010 07:44 PM - plang (Philippe Lang)

```
=begin
Problem found: until Access 2007, path to the database can be specified with slashes or backslashes. It works in both situations. Since Access 2007, slashes yield to a read-only database, and backslashed a read-write database. Strange, but true!
```

Since `expand_path` expands the path of a file with slashes, code had to be slightly changed in order to work with Access 2007:

```
require 'win32ole'
access = WIN32OLE.new('Access.Application')
database = File.expand_path('db2000.mdb').gsub(/\/, '\')
access.OpenCurrentDatabase(database, false)
access.DoCmd.OpenReport("rptTest")
access.Visible = true
```

Note that the vbs code has the same symptoms: if backslashes are replaced with slashes, database is opened read-only.

```
Set objAcc = WScript.CreateObject("Access.Application")
strDBName = "C:/Users/Philippe Lang/Desktop/db2000.mdb"
objAcc.OpenCurrentDatabase strDBName
objAcc.run "get_document_lines_store", "1234", "L", "1"
objAcc.DoCmd.OpenReport "rptTest", 2, "", ""
objAcc.Visible = true
```

This is the case for native Access 2007 databases, and Access 2000 database in "compatibility mode" under Access 2007.

Hope it can help anyone. Case can be closed.
=end

Files

| | | | |
|--------------|--------|------------|-----------------------|
| win32ole.jpg | 144 KB | 03/10/2010 | plang (Philippe Lang) |
|--------------|--------|------------|-----------------------|