

Ivan19871001

我就是那幸福路上的小跳蚤，就这么一路蹦啊跳啊...

随笔 - 21, 文章 - 0, 评论 - 0, 引用 - 0

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博客园
首 页
新随笔
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< 2011年9月 >						
日	一	二	三	四	五	六
28	29	30	31	1	2	3
4	5	6	7	8	9	10
11	12	13	14	15	16	17
18	19	20	21	22	23	24
25	26	27	28	29	30	1
2	3	4	5	6	7	8

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rails c(1)
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序列号(1)
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元素(1)

在windows下安装mysql2 的问题解决

今天向在自己的win7上配置ruby on rails 环境，结果被mysql2 和 gcc 的问题给卡住了

我的环境

Ruby 1.9.2 and Rails 3.1.0 on Windows7

先看错误提示

```
bundle install
```

Errors:

```
....  
Using jquery-rails (1.0.13)  
Installing mysql2 (0.3.7)  
C:/Ruby192/lib/ruby/site_ruby/1.9.1/rubygems/defaults/  
operating_system.rb:9:in `block in <top (required)>': The  
'mysql2' native gem re  
quires installed build tools. (Gem::InstallError)  
  
Please update your PATH to include build tools or  
download the DevKit  
from 'http://rubyinstaller.org/downloads' and follow the  
instructions  
at  
'http://github.com/oneclick/rubyinstaller/wiki/Development-  
Kit'  
  
from  
C:/Ruby192/lib/ruby/site_ruby/1.9.1/rubygems/installer.rb:141:in  
`c  
all'  
....
```

找了不少方法，有copy mysql2.dll的， 有安装gcc的， 下面是从google翻出来的东西， 经过实践， 完美解决问题

1. Download Development Kit

rails(1)

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Linux(6)(rss)

Mysql(1)(rss)

Opentaps(1)(rss)

Powerdesigner(2)(rss)

Ruby On Rails(12)(rss)

Sqlite(rss)

Tools(2)(rss)

随笔档案

2011年9月 (13)

2011年8月 (8)

最新评论

阅读排行榜

1. win7 安装Opentaps 1.5(123)
2. 在windows下安装mysql2 的问题解决(102)
3. MySQL数据库备份和还原的常用命令(77)
4. 将.sql文件的数据库结构导入powerdesigner(47)
5. 在rails c下执行sql语句(38)

评论排行榜

1. 【转载】让 PowerDesigner 支持 SQLite!(0)
2. CentOS 设置静态IP, 无法正确获取网关的问题解决(0)
3. CentOS6 部署ruby on rails 环境(0)
4. centos6 更新数据源(0)
5. CentOS6 更新数据源遇到的问题(0)

```
gem install mysql2 -- '--with-mysql-lib="C:\Program Files\MySQL\MySQL Server 5.5\lib" --with-mysql-include="C:\Program Files\MySQL\MySQL Server 5.5\include"
```

"<http://github.com/downloads/oneclick/rubyinstaller/DevKit-tdm-32-4.5.1-20101214-1400-sfx.exe>" from <http://rubyinstaller.org/downloads/>

2. Followed the instructions given on

link<https://github.com/oneclick/rubyinstaller/wiki/Development-Kit>

3. Extracted the downloaded DevKit.

4. cd <DEVKIT_INSTALL_DIR>

5. run ruby dk.rb init.

```
C:\Users\ritesh\Downloads\DevKit-tdm-32-4.5.1-20101214-1400-sfx>ruby dk.rb init
```

```
[INFO] found RubyInstaller v1.9.2 at C:/Ruby192
```

```
[INFO] found RubyInstaller v1.8.7 at C:/Ruby187
```

```
Initialization complete! Please review and modify the auto-generated 'config.yml' file to ensure it contains the root directories to all
```

of the installed Rubies you want enhanced by the DevKit.

6. edit the generated config.yml file as per your system available Rubies version if required

7. [optional] ruby dk.rb review to verify the changes you made to it are correct.

8. finally, ruby dk.rb install to DevKit enhance your installed Rubies.

```
C:\Users\ritesh\Downloads\DevKit-tdm-32-4.5.1-20101214-1400-sfx>ruby dk.rb install
```

```
[INFO] Updating convenience notice gem override for 'C:/Ruby192'
```

```
[INFO] Installing 'C:/Ruby192/lib/ruby/site_ruby/devkit.rb'
```

```
[INFO] Skipping existing gem override for 'C:/Ruby187'
```

```
[WARN] Skipping existing DevKit helper library for 'C:/Ruby187'
```

9. You have successfully installed the DevKit, and now comes the step to install mysql2 gem, most important one for which we took so many steps. Make sure you are using Ruby 1.9.2 version.

10. Run gem install myql2 with parameters that I have passed, path can differ for you so make changes accordingly.

```
>gem install mysql2 -- '--with-mysql-lib="c:\Program Files\MySQL\MySQL Server 5.5\lib\opt" --with-mysql-include="c:\Program Files\MySQL\MySQL Server 5.5\include"
```

```
Temporarily enhancing PATH to include DevKit...
Building native extensions. This could take a while...
Successfully installed mysql2-0.2.7
1 gem installed
Installing ri documentation for mysql2-0.2.7...
Enclosing class/module 'mMysql2' for class Client not known
Installing RDoc documentation for mysql2-0.2.7...
Enclosing class/module 'mMysql2' for class Client not known
```

注意，上面的命令中，MySQL Server 5.5是我的mysql版本，需要视情况个人自己替换。

然而我们没有那么顺利，上面的命令行出错了，如下：

```
C:\Users\Ivan\Downloads\dev>gem install mysql2 -- '--
with-mysql-lib="c:\Program
Files\MySQL\MySQL Server 5.5\lib\opt" --with-mysql-
include="c:\Program Files\MyS
QL\MySQL Server 5.5\include"'
Temporarily enhancing PATH to include DevKit...
Building native extensions. This could take a while...
ERROR: Error installing mysql2:
      ERROR: Failed to build gem native extension.

      C:/Ruby192/bin/ruby.exe extconf.rb --with-mysql-
lib="c:\Program Files\My
SQL\MySQL Server 5.5\lib\opt" --with-mysql-
include="c:\Program Files\MySQL\MySQL
Server 5.5\include"
checking for rb_thread_blocking_region()... yes
checking for main() in -llibmysql... no
*** extconf.rb failed ***
Could not create Makefile due to some reason, probably
lack of
necessary libraries and/or headers. Check the mkmf.log
file for more
details. You may need configuration options.

Provided configuration options:
      --with-opt-dir
      --without-opt-dir
      --with-opt-include
```

```
--without-opt-include=${opt-dir}/include
--with-opt-lib
--without-opt-lib=${opt-dir}/lib
--with-make-prog
--without-make-prog
--srcdir=.
--curdir
--ruby=C:/Ruby192/bin/ruby
--with-mysql-dir
--without-mysql-dir
--with-mysql-include=${mysql-dir}/include
--with-mysql-lib=${mysql-dir}/lib
--with-libmysqlld
--without-libmysqlld
```

Gem files will remain installed in

C:/Ruby192/lib/ruby/gems/1.9.1/gems/mysql2-0.

3.7 for inspection.

Results logged to

C:/Ruby192/lib/ruby/gems/1.9.1/gems/mysql2-0.3.7/ext/mysql2/gem_make.out

哈哈，不用担心，经验是要分享的，翻遍了google终于发现了有用的命令，如下

```
subst X: "C:\Program Files\MySQL\MySQL Server 5.5"
gem install mysql2 --platform=ruby -- --with-mysql-
dir=X: --with-mysql-lib=X:\lib\opt
subst X: /D
```

如果是想指定版本号的话，加个参数 -v=0.2.13

```
gem install mysql2 -v=0.2.13 --platform=ruby -- --with-
mysql-dir=X: --with-mysql-lib=X:\lib\opt
subst X: /D
```

安装成功

```
C:\Users\Ivan\RubyMineProjects\eco_apps_test\pet>gem
install mysql2 --platform=r
uby -- --with-mysql-dir=X: --with-mysql-lib=X:\lib\opt
Temporarily enhancing PATH to include DevKit...
Building native extensions. This could take a while...
Successfully installed mysql2-0.3.7

1 gem installed

Installing ri documentation for mysql2-0.3.7...
Enclosing class/module 'mMysql2' for class Client not
known


Installing RDoc documentation for mysql2-0.3.7...
Enclosing class/module 'mMysql2' for class Client not
known
```

搞定, 收工, 折腾了一个上午.

Thanks, Ivan

标签: [ruby](#), [rails](#), [问题](#), [mysql2](#), [error](#)

posted on 2011-09-08 12:14 Ivan19871001 阅读(103) 评论(0) 编辑 收藏

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