

一、mac 下安装 ruby on rails

1. 安装brew

- `ruby -e "$(curl -fsSL https://raw.githubusercontent.com/Homebrew/homebrew/go/install)"`
- 检查 brew doctor

2. 安装rvm

- `$ curl -L https://get.rvm.io | bash -s stable`
- 检查 关闭终端，重新开启终端 `rvm -v`

3. 载入环境

`$ source ~/.rvm/scripts/rvm`

4. 安装相关环境包 readline

- `$ rvm get head`
- `$ rvm requirements`
- `$ rvm pkg install readline` 如果出现如下错误，忽略不管。

```
naliangdeMacBook-Air:~ naliang$ rvm pkg install readline
Beware, 'rvm pkg ...' is deprecated, read about the new autolibs feature: 'rvm help autolibs'
.
Checking requirements for osx.
Certificates in '/usr/local/etc/openssl/cert.pem' are already up to date.
Requirements installation successful.
Fetching readline-5.2.tar.gz to /Users/naliang/.rvm/archives
Extracting readline to /Users/naliang/.rvm/src/readline-5.2....
Applying patch '/Users/naliang/.rvm/patches/readline-5.2/shobj-conf.patch'....
Prepare readline in /Users/naliang/.rvm/src/readline-5.2.....
Error running '__rvm_autoreconf -is --force',
showing last 15 lines of /Users/naliang/.rvm/log/1404357090/readline_autoreconf.log
autoheader: warning: missing template: HAVE_WCRTOMB
autoheader: warning: missing template: HAVE_WCSCOLL
autoheader: warning: missing template: HAVE_WCSDUP
autoheader: warning: missing template: HAVE_WCTYPE
autoheader: warning: missing template: HAVE_WCWIDTH
autoheader: warning: missing template: MUST_REINSTALL_SIGHANDLERS
autoheader: warning: missing template: NO_MULTIBYTE_SUPPORT
autoheader: warning: missing template: SPEED_T_IN_SYS_TYPES
autoheader: warning: missing template: STRCOLL_BROKEN
autoheader: warning: missing template: STRUCT_WINSIZE_IN_SYS_IOCTL
autoheader: warning: missing template: STRUCT_WINSIZE_IN_TERMIOS
autoheader: warning: missing template: TIOCSTAT_IN_SYS_IOCTL
autoheader: warning: missing template: VOID_SIGHANDLER
autoreconf: /usr/local/Cellar/autoreconf/2.69/bin/autoheader failed with exit status: 1
+ return 1
Configuring readline in /Users/naliang/.rvm/src/readline-5.2.....
Compiling readline in /Users/naliang/.rvm/src/readline-5.2.....
Installing readline to /Users/naliang/.rvm/usr.....

Please note that it's required to reinstall all rubies:

    rvm reinstall all --force

Fetching readline-6.2.tar.gz to /Users/naliang/.rvm/archives
Extracting readline to /Users/naliang/.rvm/src/readline-6.2....
Applying patch '/Users/naliang/.rvm/patches/readline-6.2/patch-shobj-conf.diff'....
Prepare readline in /Users/naliang/.rvm/src/readline-6.2.....
Error running '__rvm_autoreconf -is --force',
showing last 15 lines of /Users/naliang/.rvm/log/1404357099/readline_autoreconf.log
```

5.安装ruby

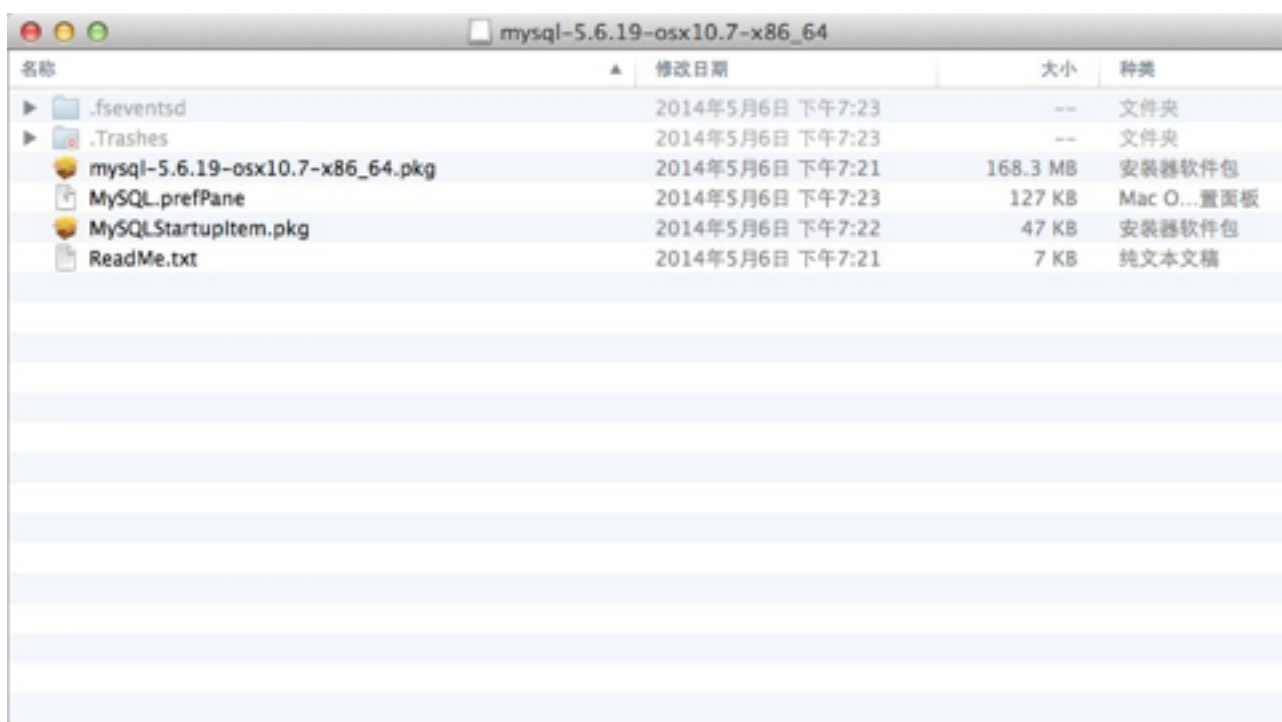
- 查看版本
- `$ rvm list known`
- `$ sudo rvm install ruby-2.1-head` （等待安装，如果出现错误的话，重新执行这条命令）
- `$ rvm install ruby` （等待安装，如果出现错误的话，重新执行这条命令）

6 安装 rails

- `$ gem install bundler rails`
- `$ gem install rails`

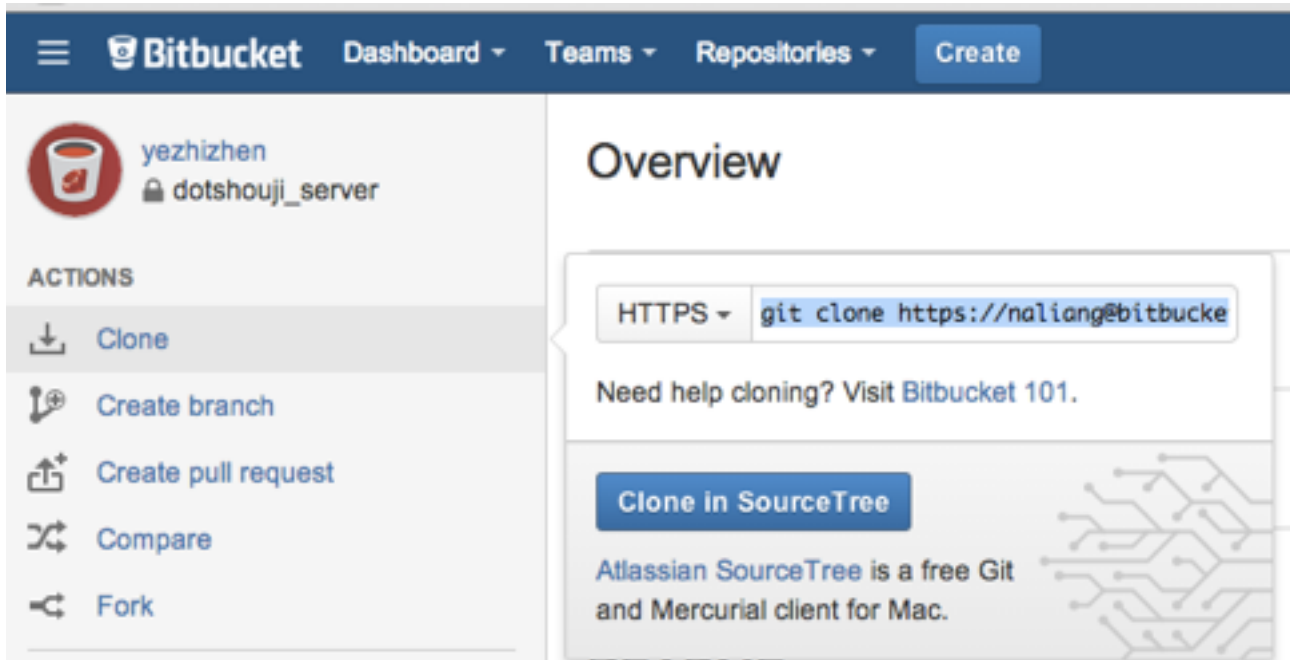
二、安装数据库

下载一个mysql安装包，官网地址：<http://dev.mysql.com/downloads/mysql/>，在mac系统下下载64位的.dmg软件包，下载完毕后，双击两个安装器安装包，安装mysql。



三、创建数据库

1.从bitbucket上获取项目代码：自己找一个新的目录，终端切换到该目录下，copy Bitbucket中git clone [https://.....](https://...)字样执行，获取代码。



2. 打开aptana，导入项目，右击项目，show in->terminal，输入bundle install
3. rake db:create,如果出现如下错误，执行vim /Users/naliang/.rvm...../
vcard.rb（路径在下图中）。在begin上面添加一行# encoding: US-ASCII保存退出。

```
rake aborted!  
/Users/naliang/.rvm/gems/ruby-2.1.2/gems/vim-rails-0.665/lib/vim/vcard.rb:678: invalid multibyte escape: /\xFE\xFF/  
invalid multibyte escape: /\xFF\xFE/  
/Users/naliang/.rvm/gems/ruby-2.1.2/gems/vim-rails-0.665/lib/vim.rb:12:in `require'  
/Users/naliang/.rvm/gems/ruby-2.1.2/gems/vim-rails-0.665/lib/vim.rb:12:in `<top (required)>'  
/Users/naliang/workspace/dotshouji_server/config/application.rb:6:in `require'  
/Users/naliang/workspace/dotshouji_server/config/application.rb:6:in `<top (required)>'  
/Users/naliang/workspace/dotshouji_server/Rakefile:5:in `require'  
/Users/naliang/workspace/dotshouji_server/Rakefile:5:in `<top (required)>'  
/Users/naliang/.rvm/gems/ruby-2.1.2/bin/ruby_executable_hooks:15:in `eval'  
/Users/naliang/.rvm/gems/ruby-2.1.2/bin/ruby_executable_hooks:15:in `<main>'  
(See full trace by running task with --trace)  
naliangdeMacBook-Air:dotshouji_server naliang$
```

执行export DYLD_LIBRARY_PATH="\$DYLD_LIBRARY_PATH:/usr/local/
mysql/lib/"

继续rake db:create，如果出现如下错误：

```
naliangdeMacBook-Air:dotshouji_server naliang$ rake db:create  
dotshouji_server_development already exists  
Can't connect to local MySQL server through socket '/var/run/mysql/mysql.sock'  
(2)  
Couldn't create database for {"adapter"=>"mysql2", "encoding"=>"utf8", "reconnec  
t"=>false, "database"=>"dotshouji_server_test", "pool"=>100, "username"=>"root",  
"password"=>nil, "socket"=>"/var/run/mysql/mysql.sock"}, charset: utf8, colla  
tion: utf8_unicode_ci  
(if you set the charset manually, make sure you have a matching collation)
```

在编辑器里面打开项目 在左侧找到 config/database.yml 打开，将test 的sock 里的内容改成development里sock的内容，是两者一致。

继续rake db:create，成功如下图：

```
naliangdeMacBook-Air:dotshouji_server naliang$ rake db:create
dotshouji_server_development already exists
```

4.rake db:migrate，成功如下图：

```
== CreateSipUsers: migrating =====
-- create_table(:sip_users)
--> 0.0139s
== CreateSipUsers: migrated (0.0140s) =====

== AddDeleteMarkToDownloadVersion: migrating =====
-- add_column(:download_versions, :delete_mark, :boolean, {:nil=>false, :default=>false})
--> 0.0159s
-- add_column(:download_versions, :update_mark, :boolean, {:nil=>false, :default=>false})
--> 0.0176s
== AddDeleteMarkToDownloadVersion: migrated (0.0338s) =====

== CreateSipUsersAddressUsers: migrating =====
-- create_table(:sip_users_address_users)
--> 0.0096s
== CreateSipUsersAddressUsers: migrated (0.0097s) =====

naliangdeMacBook-Air:dotshouji_server naliang$
```

四、启动数据库

- 1.使用默认端口3000： rails s
- 2.指定端口： rails -p 3001
- 3.停止方式： control + c
- 4.模式切换为发布模式： rails s -e production

五、查看MySQL数据库

使用mysql workbench工具，下载地址<http://dev.mysql.com/downloads/file.php?id=452671>