

# 项目管理工具 Redmine 的安装和部署 V1.0

Redmine 是公司内部正在用的一个开源的项目管理工具，用了一段时间感觉还凑合。  
写的废话分享下 redmine 的部署过程，捅破那些所谓的高大上，你也可以做到。

在看下面这些操作指南之前，需要会一点 linux 的基础命令。

操作系统环境：Centos6.5（虚拟机）

Ruby 版本：2.1.5

Ruby on Rails 版本：3.2.21

Remine 版本：2.6.1

WebServer:Nginx1.6.2

## 1 创建存放安装包的文件夹

```
drwxr-xr-x. 2 root root 4096 9月 23 2011 src
[root@cyCentOS local]# mkdir InstallPackages
[root@cyCentOS local]# ll
总用量 44
drwxr-xr-x. 2 root root 4096 9月 23 2011 bin
drwxr-xr-x. 2 root root 4096 9月 23 2011 etc
drwxr-xr-x. 2 root root 4096 9月 23 2011 games
drwxr-xr-x. 2 root root 4096 9月 23 2011 include
drwxr-xr-x. 2 root root 4096 2月 1 13:55 InstallPackages
drwxr-xr-x. 2 root root 4096 9月 23 2011 lib
drwxr-xr-x. 2 root root 4096 9月 23 2011 lib64
drwxr-xr-x. 2 root root 4096 9月 23 2011 libexec
drwxr-xr-x. 2 root root 4096 9月 23 2011 sbin
drwxr-xr-x. 5 root root 4096 4月 15 2014 share
drwxr-xr-x. 2 root root 4096 9月 23 2011 src
[root@cyCentOS local]#
```

分类: Linux

## 2.创建依赖包安装脚本

```
#以下为安装Redmine项目管理工具所使用到的依赖组件包
# add by ys on 2015-1-28
```

```
yum -y install patch make gcc gcc-c++ gcc-g77 flex* bison file
yum -y install libtool libtool-libs autoconf kernel-devel
yum -y install libjpeg libjpeg-devel libpng libpng-devel libpng10 libpng10-devel gd gd-devel
yum -y install freetype freetype-devel libxml2 libxml2-devel zlib zlib-devel
yum -y install glib2 glib2-devel bzip2 bzip2-devel libevent libevent-devel
yum -y install ncurses ncurses-devel curl curl-devel e2fsprogs
yum -y install e2fsprogs-devel krb5 krb5-devel libidn libidn-devel
yum -y install openssl openssl-devel vim-minimal nano sendmail
yum -y install fonts-chinese gettext gettext-devel
yum -y install ncurses-devel
yum -y install gmp-devel pspell-devel
yum -y install unzip
yum -y install automake libmcrypto* libtool-ltdl-devel*
yum -y install readline* libxslt* pcre* net-snmp* gmp* libtidy*
yum -y install ImageMagick* svnversion*
~
~
```

3.执行 shell 自动化安装脚本脚本，等待 10 多分钟，所有组件包会自动安装完毕。

```
shad@jcsun: ~$ ssh
[root@cyCentOS InstallPackages]# sh InstallDependencies.sh
Loaded plugins: fastestmirror, refresh-packagekit, security
Loading mirror speeds from cached hostfile
Setting up Install Process
Package patch-2.6-6.el6.x86_64 already installed and latest version
Package 1:make-3.81-20.el6.x86_64 already installed and latest version
No package gcc-g77 available.
Resolving Dependencies
--> Running transaction check
--> Package bison.x86_64 0:2.4.1-5.el6 will be installed
--> Package file.x86_64 0:5.04-15.el6 will be updated
--> Package file.x86_64 0:5.04-21.el6 will be an update
--> Processing Dependency: file-libs = 5.04-21.el6 for package: file-5.04-21.el6.x86_64
--> Package flex.x86_64 0:2.5.35-9.el6 will be installed
--> Package flex-devel.x86_64 0:2.5.35-9.el6 will be installed
--> Package gcc.x86_64 0:4.4.7-11.el6 will be installed
--> Processing Dependency: libgomp = 4.4.7-11.el6 for package: gcc-4.4.7-11.el6.x86_64
--> Processing Dependency: cpp = 4.4.7-11.el6 for package: gcc-4.4.7-11.el6.x86_64
--> Processing Dependency: libgcc >= 4.4.7-11.el6 for package: gcc-4.4.7-11.el6.x86_64
--> Processing Dependency: cloog-ppl >= 0.15 for package: gcc-4.4.7-11.el6.x86_64
--> Package gcc-c++.x86_64 0:4.4.7-11.el6 will be installed
```

安装结束后再次回到控制台，如果没有提示 errors，则说明依赖组件包安装结束

```

Installed:
  ImageMagick.x86_64 0:6.5.4.7-7.el6_5           ImageMagick
  ImageMagick-c++-devel.x86_64 0:6.5.4.7-7.el6_5 ImageMagick
  ImageMagick-doc.x86_64 0:6.5.4.7-7.el6_5       ImageMagick

Dependency Installed:
  OpenEXR-libs.x86_64 0:1.6.1-8.1.el6           ghostscript-dev
  ilmbase.x86_64 0:1.0.1-6.1.el6                jasper-devel.x86_64
  lcms-devel.x86_64 0:1.19-1.el6                 libICE-devel.x86_64
  libSM-devel.x86_64 0:1.2.1-2.el6               libXext-devel.x86_64
  libXt-devel.x86_64 0:1.1.4-6.1.el6             libtiff-devel.x86_64
  libwmf-lite.x86_64 0:0.2.8.4-23.el6

Dependency Updated:
  jasper-libs.x86_64 0:1.900.1-16.el6_6.3      libXext.x86_64 0:1.3.2-2.el6

Complete!
You have new mail in /var/spool/mail/root
[root@cyCentOS InstallPackages]#

```

## 4 安装 rvm 管理插件

```

Complete!
You have new mail in /var/spool/mail/root
[root@cyCentOS InstallPackages]# bash < <( curl -L https://get.rvm.io )
% Total    % Received % Xferd  Average Speed   Time    Time     Time  Current
                                 Dload  Upload   Total   Spent    Left   Speed
100 22817  100 22817    0     0  10293      0  0:00:02  0:00:02 --:--:-- 1485k
Downloading https://github.com/wayneeseguin/rvm/archive/master.tar.gz
Creating group 'rvm'

Installing RVM to /usr/local/rvm/
Installation of RVM in /usr/local/rvm/ is almost complete:

* First you need to add all users that will be using rvm to 'rvm' group,
  and logout - login again, anyone using rvm will be operating with `umask u=rwx,g=rw,o=r`

* To start using RVM you need to run `source /etc/profile.d/rvm.sh`
  in all your open shell windows, in rare cases you need to reopen all shell windows

# Administrator,
#
# Thank you for using RVM!
# We sincerely hope that RVM helps to make your life easier and more enjoyable!!!
#
# ~Wayne, Michal & team.

In case of problems: http://rvm.io/help and https://twitter.com/rvm_io
[root@cyCentOS InstallPackages]#

```

按照 rvm 的安装路径，重新 reload 一下系统环境配置文件，让 rvm 命令在当前执行环境中生效。



进 ruby 官网

<https://www.ruby-lang.org/en/>

找到一个大版本号为 2.1 的 Release 版本

[Continue Reading...](#)

Posted by naruse on 28 Nov 2014

**Ruby 2.1.5 Released**

Ruby 2.1.5 has been released.

[Continue Reading...](#)

Posted by nagachika on 13 Nov 2014

下载

```
--1W-1--1--. 1 1000 1000 709 2/3 1 15:50 installdependencies.sh
[root@cyCentOS InstallPackages]# wget http://cache.ruby-lang.org/pub/ruby/2.1/ruby-2.1.5.tar.gz
--2015-02-01 14:17:53-- http://cache.ruby-lang.org/pub/ruby/2.1/ruby-2.1.5.tar.gz
正在解析主机 cache.ruby-lang.org... 103.245.222.185
正在连接 cache.ruby-lang.org|103.245.222.185|:80... 已连接。
已发出 HTTP 请求，正在等待回应... 302 Found
位置：http://120.198.230.4:82/1Q2W3E4R5T6Y7U8I9O0P1Z2X3C4V5B/cache.ruby-lang.org/pub/ruby/2.1/ruby-2.1.5.tar
跟随至新的 URL]
--2015-02-01 14:17:59-- http://120.198.230.4:82/1Q2W3E4R5T6Y7U8I9O0P1Z2X3C4V5B/cache.ruby-lang.org/pub/ruby
uby-2.1.5.tar.gz
正在连接 120.198.230.4:82... 已连接。
已发出 HTTP 请求，正在等待回应... 200 OK
长度：15127433 (14M) [application/octet-stream]
正在保存至：“ruby-2.1.5.tar.gz”
```

```
100%[=====>] 15,127,433 7.05M/s in 2.0
```

```
2015-02-01 14:18:01 (7.05 MB/s) - 已保存 “ruby-2.1.5.tar.gz” [15127433/15127433]
```

按照安装包，tar -xvf XX.tar.gz 解压

在进入解压缩的包，进入 dir，./configure，做编辑前检查

如

下

```
checking pthread.h usability... yes
checking pthread.h presence... yes
checking for pthread.h... yes
checking if make is GNU make... yes
checking for memmem... yes
checking for broken memmem... no
checking for nroff... /usr/bin/nroff
./ext/include/x86_64-linux/ruby/config.h updated
ruby library version = 2.1.0
configure: creating ./config.status
config.status: creating GNUmakefile
config.status: creating Makefile
config.status: creating ruby-2.1.pc
[root@cyCentOS ruby-2.1.5]# ./configure
```

Make && makeinstall 安装，默认路径/usr/local/ruby

```

make          makedumpfile makemap          makewhatis
[root@cyCentOS ruby-2.1.5]# make&&make install
      CC = gcc
      LD = ld
      LDSHARED = gcc -shared
      CFLAGS = -O3 -fno-fast-math -ggdb3 -Wall -Wextra -Wno-unused-parameter -Wno-parenthe
o-missing-field-initializers -Wunused-variable -Wpointer-arith -Wwrite-strings -Wdeclaration-
licit-function-declaration -ansi -std=iso9899:199409
      XCFLAGS = -D_FORTIFY_SOURCE=2 -fstack-protector -fno-strict-overflow -fvisibility=hi
IE
      CPPFLAGS = -I. -I.ext/include/x86_64-linux -I./include -I.
      DLDFLAGS = -fstack-protector -pie
      SOLIBS = -lgmp
使用内建 specs.
目标: x86_64-redhat-linux
配置为: ../configure --prefix=/usr --mandir=/usr/share/man --infodir=/usr/share/info --with-l
.redhat.com/bugzilla --enable-bootstrap --enable-shared --enable-threads=posix --enable-chec
stem-zlib --enable-__cxa_atexit --disable-libunwind-exceptions --enable-gnu-unique-object --c
,objc,obj-c++,java,fortran,ada --enable-java-awt=gtk --disable-dssi --with-java-home=/usr/li
.5.0.0/jre --enable-libgcj-multifile --enable-java-maintainer-mode --with-ecj-jar=/usr/share
--disable-libjava-multilib --with-ppl --with-cloog --with-tune=generic --with-arch_32=i686 --
linux
线程模型: posix
gcc 版本 4.4.7 20120313 (Red Hat 4.4.7-11) (GCC)
compiling main.c
compiling dmydln.c
compiling mininit.c
compiling miniprelude.c
copying dummy probes.h
compiling array.c
compiling bignum.c

```

等待 gcc 编译器编辑 ruby 库源码，时间大概 5 分钟，编译过程会提示很多 warnings 警告。不用管。只要安装结束后，控制台没有输出 errors 就可。

安装结束

```

installing extension objects: /usr/local/lib/ruby/vendor_ruby/2.1.0/x86_64-li
installing extension headers: /usr/local/include/ruby-2.1.0/x86_64-linux
installing extension scripts: /usr/local/lib/ruby/2.1.0
installing extension scripts: /usr/local/lib/ruby/site_ruby/2.1.0
installing extension scripts: /usr/local/lib/ruby/vendor_ruby/2.1.0
installing extension headers: /usr/local/include/ruby-2.1.0/ruby
installing default gems:      /usr/local/lib/ruby/gems/2.1.0 (build_info, cac
ions)
                                bigdecimal 1.2.4
                                io-console 0.4.2
                                json 1.8.1
                                minitest 4.7.5
                                psych 2.0.5
                                rake 10.1.0
                                rdoc 4.1.0
                                test-unit 2.1.5.0
installing rdoc:                /usr/local/share/ri/2.1.0/system
installing capi-docs:          /usr/local/share/doc/ruby
[root@cyCentOS ruby-2.1.5]#

```

测试 gem 和 ruby 版本

```

                                rdoc 4.1.0
                                test-unit 2.1.5.0
installing rdoc:                /usr/local/share/ri/2.1.0/system
installing capi-docs:          /usr/local/share/doc/ruby
[root@cyCentOS ruby-2.1.5]# gem -v
2.2.2
[root@cyCentOS ruby-2.1.5]# ruby -v
ruby 2.1.5p273 (2014-11-13 revision 48405) [x86_64-linux]
[root@cyCentOS ruby-2.1.5]#

```

如果 ruby 命令和 gem 命令正常使用，能回显版本，那么则意味着 ruby 安装结束

## 6. 安装 rails 框架

版本 3.2，rails 框架安装是最麻烦的，而且中途比较容易出问题，耗时最长。Rails 框架安装时间持续 20 分钟以上

注意，默认的 gem 镜像源托管在亚马逊上，已经被强，所以在 gem install 前要将默认的 gem 源切到阿里的 gem 源上，自行百度

Gem install rails -v 3.2.21 -V

跟上-v，直接回显当前处理结果。避免长时间安装以为卡死了。实时看到进度

装完后，使用 rails -v 看下版本，有误否

```

Parsing sources...
100% [43/43] lib/treetop/version.rb
Installing ri documentation for treetop-1.4.15
Parsing documentation for tzinfo-0.3.43
Parsing sources...
100% [24/24] lib/tzinfo/tzdataparser.rb
Installing ri documentation for tzinfo-0.3.43
Done installing documentation for actionmailer, actionpack
ecord, activereource, activesupport, arel, builder, bundl
, journey, mail, mime-types, multi_json, polyglot, rack, r
ack-test, rails, railties, rdoc, sprockets, thor, tilt, tr
seconds
29 gems installed
You have new mail in /var/spool/mail/root
[root@cyCentOS specifications]# ^C
[root@cyCentOS specifications]# rails -v
Rails 3.2.21
[root@cyCentOS specifications]# ^C
[root@cyCentOS specifications]#

```

安装完ruby以后，需求将gem的源切换到淘宝源上。



## 7.安装 mysql 数据库访问支持库

在 rails 和 ruby 库安装结束后，则要安装数据库访问组件库。

我打算用 mysql，没有为什么，因为 mysql 最熟，投入研究的时间最多。当前你也可以用 sql server 或者 postgresql、无他。

使用 `gem install mysql2`，安装 ruby 的 mysql 访问驱动库。

```
Building native extensions. This could take a while...
ERROR:  Error installing mysql2:
        ERROR: Failed to build gem native extension.

    /usr/local/bin/ruby extconf.rb
checking for ruby/thread.h... yes
checking for rb_thread_call_without_gvl() in ruby/thread.h... yes
checking for rb_thread_blocking_region()... yes
checking for rb_wait_for_single_fd()... yes
checking for rb_hash_dup()... yes
checking for rb_intern3()... yes
checking for mysql_query() in -lmysqlclient... no
checking for main() in -lm... yes
checking for mysql_query() in -lmysqlclient... no
checking for main() in -lz... yes
checking for mysql_query() in -lmysqlclient... no
checking for main() in -lsocket... no
checking for mysql_query() in -lmysqlclient... no
checking for main() in -lnsl... yes
checking for mysql_query() in -lmysqlclient... no
checking for main() in -lmygcc... no
checking for mysql_query() in -lmysqlclient... no
*** extconf.rb failed ***
Could not create Makefile due to some reason, probably lack of nece

[root@cyCentOS ~]# rvm -v
```

出了一堆异常。

各种 check 都不存在。

Ok，这个是因为 centos 没有装 mysql 的开发库 `mysql-devel`

Linux 的哲学是全插件的环境，内核+插件，要什么装什么。

`Yum -y mysql-devel` 安装 linux 与 mysql 的基础依赖库。再 `gem install mysql2`，提示如下  
安装成功



```

Running Transaction Test
Transaction Test Succeeded
Running Transaction
  Installing : mysql-5.1.73-3.el6_5.x86_64
  Installing : mysql-devel-5.1.73-3.el6_5.x86_64
  Verifying  : mysql-devel-5.1.73-3.el6_5.x86_64
  Verifying  : mysql-5.1.73-3.el6_5.x86_64

Installed:
  mysql-devel.x86_64 0:5.1.73-3.el6_5

Dependency Installed:
  mysql.x86_64 0:5.1.73-3.el6_5

Complete!
You have new mail in /var/spool/mail/root
[root@cyCentOS specifications]# gem install mysql2
Building native extensions. This could take a while...
Successfully installed mysql2-0.3.17
Parsing documentation for mysql2-0.3.17
Installing ri documentation for mysql2-0.3.17
Done installing documentation for mysql2 after 0 seconds
1 gem installed
[root@cyCentOS specifications]#

```

## 8. 下载 redmine ， 版本 2.6.1

```

-rw----- . 1 root root 1509 4月 15 2014 anaconda-ks.cfg
-rw-r--r-- . 1 root root 39550 4月 15 2014 install.log
-rw-r--r-- . 1 root root 9360 4月 15 2014 install.log.syslog
[root@cyCentOS ~]# cd /usr/local/InstallPackages/
[root@cyCentOS InstallPackages]# wget http://www.redmine.org/releases/redmine-2.6.1.tar.gz
--2015-02-01 16:59:28-- http://www.redmine.org/releases/redmine-2.6.1.tar.gz
正在解析主机 www.redmine.org... 46.4.36.71
正在连接 www.redmine.org|46.4.36.71|:80... 已连接。
已发出 HTTP 请求，正在等待回应... 302 Found
位置: http://120.198.230.20:83/1Q2W3E4R5T6Y7U8I9O0P1Z2X3C4V5B/www.redmine.org/releases/redmine-2.6.1.tar.gz [跟随至新的 URL]
--2015-02-01 16:59:29-- http://120.198.230.20:83/1Q2W3E4R5T6Y7U8I9O0P1Z2X3C4V5B/www.redmine.org/releases/redmine-2.6.1.tar.gz
正在连接 120.198.230.20:83... 已连接。
已发出 HTTP 请求，正在等待回应... 200 OK
长度: 2120369 (2.0M) [application/x-gzip]
正在保存至: "redmine-2.6.1.tar.gz"

0% [ ] 2,602 --.-K/s eta(英国中部时
0% [ ] 2,602 --.-K/s eta(英国中部时
间) 51m 37s

```

## 9.修改数据库连接配置文件

```
root@cyCentOS:/usr/local/InstallPackages/redmine-2.6.1/config
# Default setup is given for MySQL with ruby1.9. If you're running Redmi:
# with MySQL and ruby1.8, replace the adapter name with `mysql`.
# Examples for PostgreSQL, SQLite3 and SQL Server can be found at the en
# Line indentation must be 2 spaces (no tabs).

production:
  adapter: mysql2
  database: redmine
  host: 192.168.10.9
  username: root
  password: "000000"
  encoding: utf8

development:
  adapter: mysql2
  database: redmine_development
  host: localhost
  username: root
  password: ""
  encoding: utf8

# Warning: The database defined as "test" will be erased and
# re-generated from your development database when you run "rake".
19,14
```

注意 adapter 选择 mysql2

## 10.安装 bundler 管理组件

Redmine 使用 bundler 来管理依赖包。

执行命令 `gem install bundler`

```
database.yml                                     locales
[root@cyCentOS config]# vim database.yml
[root@cyCentOS config]# gem install bundler
Successfully installed bundler-1.7.12
Parsing documentation for bundler-1.7.12
Done installing documentation for bundler after 3 seconds
1 gem installed
[root@cyCentOS config]#
```

## 11.使用 bundler 管理工具安装 redmine 所有的依赖包

bundle install --without development test

```
[root@cyCentOS config]# gem install bundler
Successfully installed bundler-1.7.12
Parsing documentation for bundler-1.7.12
Done installing documentation for bundler after 3 seconds
1 gem installed
[root@cyCentOS config]# bundle install --without development test
Don't run Bundler as root. Bundler can ask for sudo if it is needed, and
installing your bundle as root will break this application for all non-root
users on this machine.
Fetching gem metadata from https://rubygems.org/.....
Resolving dependencies...
```

注意不要用 root 账户。我这里嫌麻烦，懒得切换了。直接用 root 账户。

安装结束

```
Installing coderay 1.1.0
Using rack-ssl 1.3.4
Installing json 1.8.2
Using rdoc 3.12.2
Using thor 0.19.1
Using railties 3.2.21
Installing jquery-rails 3.1.2
Using mysql2 0.3.17
Installing net-ldap 0.3.1
Installing ruby-openid 2.3.0
Installing rack-openid 1.4.2
Using rails 3.2.21
Installing rbpdf 1.18.5
Installing redcarpet 2.3.0
Installing request_store 1.0.5
Installing rmagick 2.13.4
Your bundle is complete!
Gems in the groups development and test were not installed.
Use `bundle show [gemname]` to see where a bundled gem is installed.
Post-install message from rmagick:
Please report any bugs. See https://github.com/gemhome/rmagick/compare/RMagick_2
-13-2...master and https://github.com/rmagick/rmagick/issues/18
You have new mail in /var/spool/mail/root
[root@cyCentOS config]#
```

使用 bundler 安装用与支持 redmine 中 pdf 和 png 格式文件导出的支持库

bundle install --without development test rmagick

```
Using net-ldap 0.3.1
Using ruby-openid 2.3.0
Using rack-openid 1.4.2
Using bundler 1.7.12
Using rails 3.2.21
Using rbpdf 1.18.5
Using redcarpet 2.3.0
Using request_store 1.0.5
Your bundle is complete!
Gems in the groups development, test and rmagick were not installed.
Use `bundle show [gemname]` to see where a bundled gem is installed.
[root@cyCentOS config]#
```

```
Installing rack-openid 1.4.2
Using rails 3.2.21
Installing rbpdf 1.18.5
Installing redcarpet 2.3.0
Installing request_store 1.0.5
```

注意：数据库访问配置文件发生任何变更，都要重新执行 `bundler install --without development test`

来保证依赖库版本正常。

## 12.生成访问令牌

```
rake generate_secret_token
```

这个访问令牌，rails 用来加密 cookie 和控制 session 的存储访问。

```
Gems in the groups development, test and rmagick were not installed.
Use `bundle show [gemname]` to see where a bundled gem is installed.
[root@cyCentOS config]# rake generate_secret_token
in /usr/local/InstallPackages/redmine-2.6.1)
root@cyCentOS config]#
```

12.生成访问令牌

```
rake generate_secret_token
```

## 13.生成 redmine 的系统数据库表

进入 redmine 应用程序根目录，执行以下命令

```
root@cyCentOS:/usr/local/InstallPackages/redmine-2.6.1
Using coderay 1.1.0
Using rack-ssl 1.3.4
Using json 1.8.2
Using rdoc 3.12.2
Using thor 0.19.1
Using railties 3.2.21
Using jquery-rails 3.1.2
Using mysql2 0.3.17
Using net-ldap 0.3.1
Using ruby-openid 2.3.0
Using rack-openid 1.4.2
Using bundler 1.7.12
Using rails 3.2.21
Using rbpdf 1.18.5
Using redcarpet 2.3.0
Using request_store 1.0.5
Your bundle is complete!
Gems in the groups development, test and rmagick were not installed.
Use `bundle show [gemname]` to see where a bundled gem is installed.
[root@cyCentOS config]# rake generate secret_token
(in /usr/local/InstallPackages/redmine-2.6.1)
[root@cyCentOS config]# cd /usr/local/InstallPackages/redmine-2.6.1
[root@cyCentOS redmine-2.6.1]# RAILS_ENV=production rake db:migrate
```

Rails 自动生成所有的 redmine 系统的数据库结构

回显的日志如下

```
-> 0.0091s
RemoveCustomFieldsMinMaxLengthDefaultValues: migrating (0.0213s) =====
StoreRelationTypeInJournalDetails: migrating =====
StoreRelationTypeInJournalDetails: migrated (0.0115s) =====

DeleteOrphanTimeEntriesCustomValues: migrating =====
DeleteOrphanTimeEntriesCustomValues: migrated (0.0007s) =====

ChangeChangesetsCommentsLimit: migrating =====
change_column(:changesets, :comments, :text, {:limit=>16777216})
-> 0.0082s
ChangeChangesetsCommentsLimit: migrated (0.0083s) =====

AddPasswordChangedAtToUser: migrating =====
add_column(:users, :passwd_changed_on, :datetime)
-> 0.0063s
AddPasswordChangedAtToUser: migrated (0.0064s) =====

InsertBuiltinGroups: migrating =====
InsertBuiltinGroups: migrated (0.1129s) =====

root@cyCentOS redmine-2.6.1]#
```

## 14.为 redmine 数据库载入 redmine 系统所需要的默认数据

执行命令以下命令

```
== InsertBuiltinGroups: migrating =====
== InsertBuiltinGroups: migrated (0.1129s) =====

[root@cyCentOS redmine-2.6.1]# RAILS_ENV=production rake redmine:load_default_data

Select language: ar, az, bg, bs, ca, cs, da, de, el, en, en-GB, es, et, eu, fa,
fi, fr, gl, he, hr, hu, id, it, ja, ko, lt, lv, mk, mn, nl, no, pl, pt, pt-BR, r
o, ru, sk, sl, sq, sr, sr-YU, sv, th, tr, uk, vi, zh, zh-TW [en]
```

提示选择语言，简体中文，请输入在控制台输入 zh，再回车

```
== ChangeChangesetsCommentsLimit: migrating =====
-- change_column(:changesets, :comments, :text, {:limit=>16777216})
-> 0.0082s
== ChangeChangesetsCommentsLimit: migrated (0.0083s) =====

== AddPasswordChangedAtToUser: migrating =====
-- add_column(:users, :passwd_changed_on, :datetime)
-> 0.0063s
== AddPasswordChangedAtToUser: migrated (0.0064s) =====

== InsertBuiltinGroups: migrating =====
== InsertBuiltinGroups: migrated (0.1129s) =====

[root@cyCentOS redmine-2.6.1]# RAILS_ENV=production rake redmine:load_default_data

Select language: ar, az, bg, bs, ca, cs, da, de, el, en, en-GB, es, et, eu, fa,
fi, fr, gl, he, hr, hu, id, it, ja, ko, lt, lv, mk, mn, nl, no, pl, pt, pt-BR, r
o, ru, sk, sl, sq, sr, sr-YU, sv, th, tr, uk, vi, zh, zh-TW [en] zh

Default configuration data loaded.
You have new mail in /var/spool/mail/root
[root@cyCentOS redmine-2.6.1]#
```

Redmine 系统数据初始化完成。

## 14.调整 redmine 项目文件和文件夹的访问权限

调整 redmine 系统下的日志文件夹和日志文件的访问权限，确保 redmine 账户能有足够大权限写入和读取数据。

操作系统上创建 redmine 用户组和用户

```

[root@cyCentOS redmine-2.6.1]# sudo chmod -R 755 files log tmp public/p
ets
[root@cyCentOS redmine-2.6.1]# groupadd redmine
You have new mail in /var/spool/mail/root
[root@cyCentOS redmine-2.6.1]# useradd -g redmine redmine
[root@cyCentOS redmine-2.6.1]# passwd redmine
更改用户 redmine 的密码。
新的 密码:
无效的密码: 它没有包含足够的不同字符
无效的密码: 是回文
重新输入新的 密码:
passwd: 所有的身份验证令牌已经成功更新。
[root@cyCentOS redmine-2.6.1]# su redmine
[redmine@cyCentOS redmine-2.6.1]$ ls
app          db          Gemfile      plugins      script
config       doc         Gemfile.lock public        test
config.ru    extra      lib          Rakefile     tmp
CONTRIBUTING.md files      log          README.rdoc  vendor
[redmine@cyCentOS redmine-2.6.1]$ pwd
/usr/local/InstallPackages/redmine-2.6.1
[redmine@cyCentOS redmine-2.6.1]$

```

创建用于临时存储导出 pdf 和 png 文件目录

```

/usr/local/InstallPackages/redmine-2.6.1
[redmine@cyCentOS redmine-2.6.1]$ exit
exit
[root@cyCentOS redmine-2.6.1]# mkdir -p tmp tmp/pdf public/plugin_assets
[root@cyCentOS redmine-2.6.1]#

```

更改 files, log, tmp, 插件目录的所有组和所有用户为 redmine

```

[redmine@cyCentOS redmine-2.6.1]$ exit
exit
[root@cyCentOS redmine-2.6.1]# mkdir -p tmp tmp/pdf public/plugin_assets
[root@cyCentOS redmine-2.6.1]# sudo chown -R redmine:redmine files log tmp publi
c/plugin_assets
[root@cyCentOS redmine-2.6.1]#

```

?: Webrick is **not** suitable for production use, please only use webrick for testing that the installation up to this point is functional. Use  
of the many other guides in this wiki to setup redmine to use either Passenger (also known as FCGI) or Rack as a Rack server (Unices). This

调整以上四个目录的访问权限为 755

```

[redmine@cyCentOS redmine-2.6.1]$ exit
exit
[root@cyCentOS redmine-2.6.1]# mkdir -p tmp tmp/pdf public/plugin_assets
[root@cyCentOS redmine-2.6.1]# sudo chown -R redmine:redmine files log tmp publi
c/plugin_assets
[root@cyCentOS redmine-2.6.1]# sudo chmod -R 755 files log tmp public/plugin_ass
ets
[root@cyCentOS redmine-2.6.1]#

```



## 15 测试 redmine

```
rwxrwxr-x. 9      1000      1000 4096 1月  11 17:20 test
rwxr-xr-x. 8 redmine redmine 4096 1月  11 17:20 tmp
rwxrwxr-x. 2      1000      1000 4096 1月  11 17:20 vendor
root@cyCentOS redmine-2.6.1]# ruby script/rails server webrick -e production
> Booting WEBrick
> Rails 3.2.21 application starting in production on http://0.0.0.0:3000
> Call with -d to detach
> Ctrl-C to shutdown server
2015-02-01 17:41:59] INFO  WEBrick 1.3.1
2015-02-01 17:41:59] INFO  ruby 2.1.5 (2014-11-13) [x86_64-linux]
2015-02-01 17:41:59] INFO  WEBrick::HTTPServer#start: pid=5167 port=3000
```

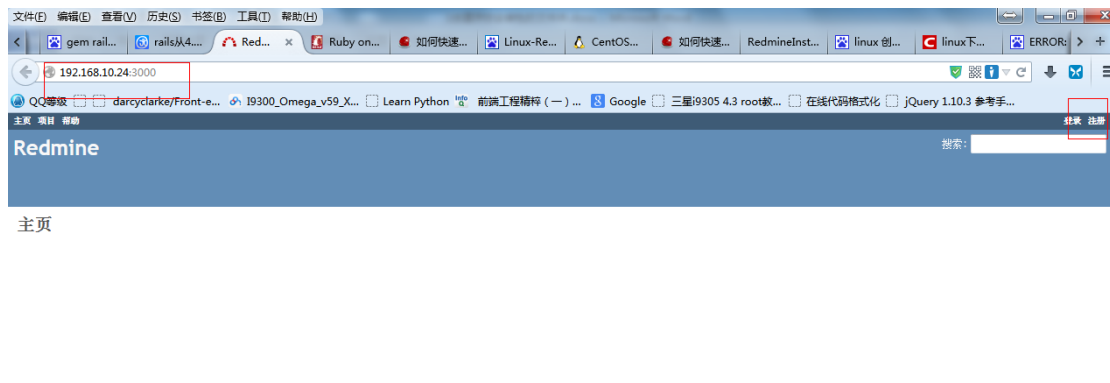
gs are defined in a file named config/configuration.yml.

override default application settings, simply copy config/configuration.yml.example to config/configuration.yml and edit the new file;

使用以上命令启动 rails 框架自带的测试 web 服务器，

默认端口 3000。

打开浏览器，ip: 3000 形式访问



Redmine 已经成功部署。

使用默认的超级用户 admin 登陆

用户 » 新建用户

信息

登录名 \*

YangShuang

名字 \*

杨双

姓氏 \*

邮件地址 \*

dom\_by\_angular@126.com

语言

Simplified Chinese (简体中文)

管理员

☒

认证

密码 \*

●●●●●●●●

至少需要 8 个字符。

确认 \*

生成密码

☐

下次登录时必须修改密码

☐

邮件通知

只收取我跟踪或参与的项目的通知

☐ 不要发送对我自己提交的修改的通知

首选项

隐藏我的邮件地址

☐

时区

显示注释

按时间顺序

当离开未保存内容的页面时，

☒ 提示我

创建

创建并继续

添加一个用户。

✓ 用户 YangShuang 已创建。

用户 » YangShuang

一般

项目

信息

登录名 \*

YangShuang

名字 \*

杨双

姓氏 \*

Yang

邮件地址 \*

dom\_by\_angular@126.com

语言

Simplified Chinese (简体中文)

管理员

☒

认证

密码 \*

●●●●●●●●

至少需要 8 个字符。

确认 \*

生成密码

☐

下次登录时必须修改密码

☐

邮件通知

只收取我跟踪或参与的项目的通知

☐ 不要发送对我自己提交的修改的通知

首选项

隐藏我的邮件地址

☐

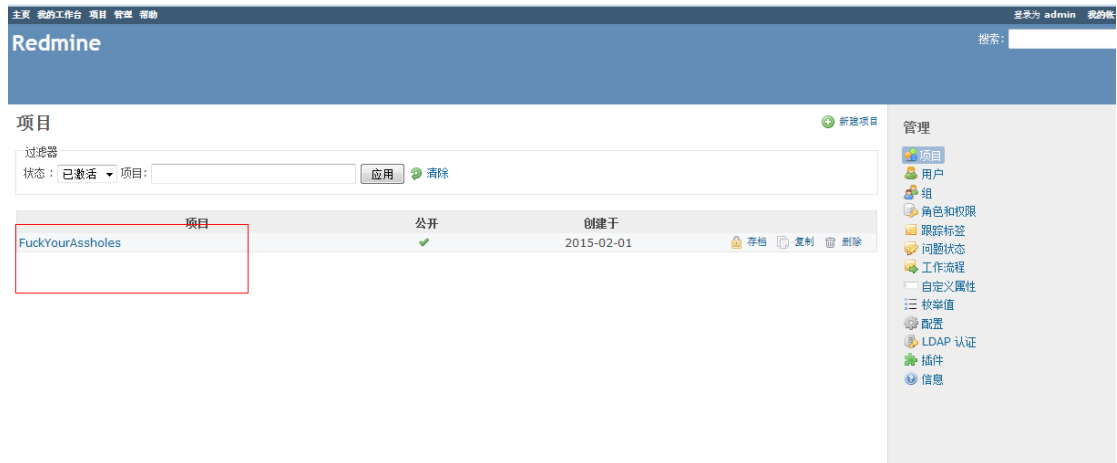
时区

显示注释

按时间顺序

当离开未保存内容的页面时，

☒ 提示我



添加一个项目，截至到此，项目管理工具 redmine 搭建成功。三架马车之一已经你给可以跑了。

## 16.Redmine 在 Nginx 下的部署

当前的 webserver 是默认的 rails 自带的，适合调试环境不适合生产环境。  
通常选择 redmine 部署在 apache 或者 nginx 下

如何部署，各自 google。。

Add by ys on 2015-1-28