Redmine - Gmail

Redmine	v4.1.1	http://www.redmine.org/projects/redmine/wiki/Download
Ruby	v2.6.6	https://www.ruby-lang.org/en/downloads/
RubyGems	v3.1.4	http://rubygems.org/pages/download
MySQL	v5.7.28	https://dev.mysql.com/downloads/

一. 安装环境

```
# 安装 OpenSSL 支持环境
yum install openssl openssl-dev

# 安装 MySQL (参考 MySQL 安装文档)

# 安装 YAML
tar zxf yaml-0.1.6.tar.gz
cd yaml-0.1.6
./configure --prefix=/usr
make
make install


# 安装 zlib
tar zxf zlib-1.2.11.tar.gz
cd zlib-1.2.11
CFLAGS="-O3 -fPIC"
./configure --static
make
make install


# 安装 Ruby
tar zxf ruby-2.6.6.tar.gz
cd ruby-2.6.6
./configure --enable-shared --prefix=/usr
make
make install
ln -s /usr/local/bin/ruby /usr/bin/ruby

# 确认版本信息: ruby 2.6.6p146 (2020-03-31 revision 67876) [x86_64-linux]
ruby -v


# 安装 rubygems 对于已有旧版本的情况下使用 gem update --system 即可升级
```

```
tar zxf rubygems-3.1.4.tgz
cd rubygems-3.1.4
ruby setup.rb
gem -v


# 在线安装其他组件，组件太多请勿尝试手动安装，指定版本安装方法为 gem install mail -v 2.5.4
tar zxf redmine-4.1.1.tar.gz -C /opt/
cd /opt/redmine-4.1.1
```

三．修改配置文件

```
# vim /usr/local/redmine-3.2.0/config/database.yml

# MySQL (default setup).  Versions 4.1 and 5.0 are recommended.
#
# Get the fast C bindings:
#   gem install mysql
#   (on OS X: gem install mysql -- --include=/usr/local/lib)
# And be sure to use new-style password hashing:
#   http://dev.mysql.com/doc/refman/5.0/en/old-client.html

production:
  adapter: mysql2
  database: redmine
  host: localhost
  port: 3306
  username: redmine
  password: 123456
  encoding: utf8


# vim /usr/local/redmine-2.5.2/config/configuration.yml

# specific configuration options for production environment
# that overrides the default ones
production:
  email_delivery:
    delivery_method: :smtp
    smtp_settings:
      tls: true
      enable_starttls_auto: true
      address: "smtp.gmail.com"
      port: '465'
      domain: "jsvest.net"
      authentication: :login
      user_name: "redmine@jsvest.net"
      password: "123456"

# specific configuration options for development environment
# that overrides the default ones
development:
```

四．安装 redmine

```
# 以下为命令界面执行的命令

# 更换安装源

gem sources --remove https://rubygems.org/
gem sources -a https://ruby.taobao.org/
```

```
gem sources -l


cd /usr/local/redmine-4.1.1

 gem install rdoc
 gem install bundler
 bundle config 'mirror.https://rubygems.org' 'https://ruby.taobao.org'


 bundle config set without 'development test postgresql sqlite rmagick'
 gem install tlsmail -v=0.0.1
 gem install mysql2
 gem install rails -v=5.2.4.2                        # 可使用 gem list rails 确认安装版本
 gem install rouge


bundle exec rake generate_secret_token
bundle exec rake db:migrate RAILS_ENV=production
bundle exec rake redmine:plugins:migrate RAILS_ENV=production
bundle exec rake tmp:cache:clear tmp:sessions:clear RAILS_ENV=production


mkdir tmp public/plugin_assets
chown -R redmine:redmine files log tmp public/plugin_assets
chmod -R 755 files log tmp public/plugin_assets

# 启动

cd /usr/local/redmine-4.1.1
nohup ruby bin/rails server webrick -e production -p 3002 -b 172.16.3.23 1>>redmine.log
1>&2  &

# 此时可通过浏览器访问，帐号 admin   密码 admin
```

五. 配置 Nginx 反向代理

```
# 增加 Nginx Proxy 后能很大程度上给 redmine 提速

gzip  on;
gzip_proxied any;
gzip_types text/plain application/x-javascript application/javascript text/css
application/xml text/javascript application/json;
proxy_cache_path cache levels=1:2 keys_zone=redmine:256m inactive=60m max_size=4g;

server {
    listen       3000;
    server_name  localhost;
    access_log   off;
    location / {
        proxy_cache redmine;
        proxy_cache_valid 200 304 1m;
        proxy_pass  http://backend;
        index  index.html index.htm;
    }
}
upstream backend {
        server   127.0.0.1:3002;
}
```

六．邮件配置 （参考之用）

```
# vim /usr/local/redmine-2.5.2/config/configuration.yml

# Outgoing email settings
production:
  email_delivery:
    delivery_method: :async_smtp
    smtp_settings:
      enable_starttls_auto: true
      address: smtp.gmail.com
      port: 465
      domain: gmail.com
      authentication: :login
      user_name: ping.bao.cn@gmail.com
      password: 123456
      tls: true

# Gmail tls_mail Trouble Shootting ......

cd /usr/local/lib/ruby/gems/2.0.0/gems/tlsmail-0.0.1/lib/
cp * /usr/local/redmine-2.5.2/lib/redmine/ -r
vim /usr/local/redmine-2.5.2/lib/redmine/net/smtp.rb

class SMTP

    Revision = %q$Revision: 10709 $.split[1]

    # The default SMTP port, port 25.
    def SMTP.default_port
      25
    end

    @use_tls = true
    @verify = nil
    @certs = nil

    def SMTP.enable_tls(verify = OpenSSL::SSL::VERIFY_PEER, certs = nil)
      @use_tls = true
      @verify = verify
      @certs = certs
    end

    def initialize(address, port = nil)
      @address = address
      @port = (port || SMTP.default_port)
      @esmtp = true
      @socket = nil
      @started = false
      @open_timeout = 30
      @read_timeout = 60
      @error_occured = false
      @debug_output = nil
      @use_tls = SMTP.use_tls?
      @certs = SMTP.certs
      @verify = SMTP.verify
    end

# 对于 报 mysql2 adepter 不存在在使用如下方法重新安装

gem pristine mysql2 -- --with-mysql-config=/usr/local/mysql/bin/mysql_config
```

七．附录

```
# 如何部署 redmine 在子目录
# 修改 config/additional_enviroment.rb

config.action_controller.relative_url_root = '/redmine'

# 修改 config.ru（redmine 的根目录）

map ActionController::Base.config.relative_url_root || "/" do
  run RedmineApp::Application
end

gem uninstall mysql2
gem install mysql2 --platform=ruby -- --with-mysql-lib=/usr/local/mysql/lib --with-mysql-include=/usr/local/mysql/include
```