## CentOS 6.5 云康环境搭建

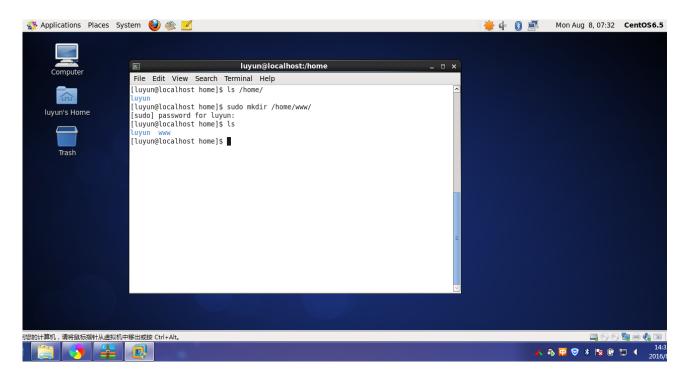
版本号: ₹2.0 撰写人: 张文博 日期: 2016.08.08

## 一、设置项目文件夹

- 1. 将 yunkang.tgz 拷贝到桌面
- 2. 点击鼠标右键,打开 Terminal

sudo mkdir /home/www/ # 创建项目文件夹 sudo mv ryunkang.tgz /home/www/ # 移动到www目录

3. 创建 mysql, sudo yum install mysql-server



# 二、安装 Ruby 环境

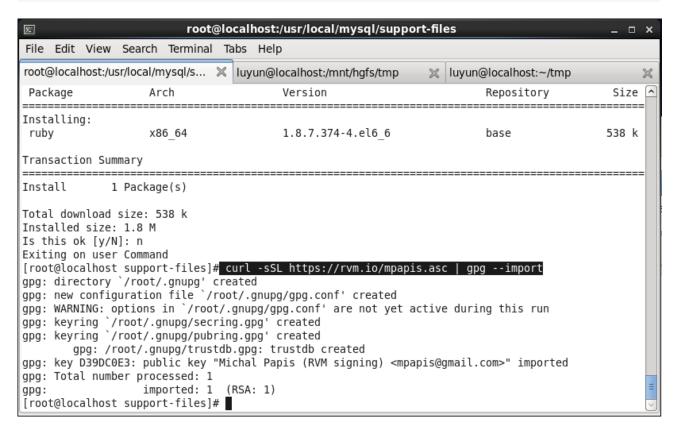
```
curl -sSL https://rvm.io/mpapis.asc | gpg --import # 安装公钥

curl -L https://get.rvm.io | bash -s stable # 安装Rvm

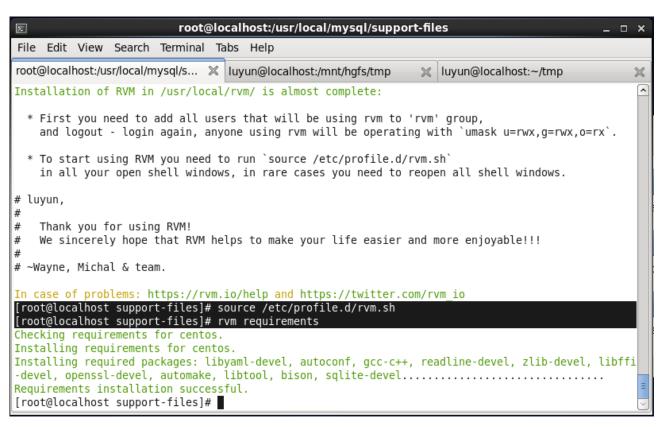
# 载入RVM环境并获取需要的支持安装包
source /etc/profile.d/rvm.sh
rvm requirements

# 安装 Ruby
rvm install 2.2.3
rvm use 2.2.3 --default

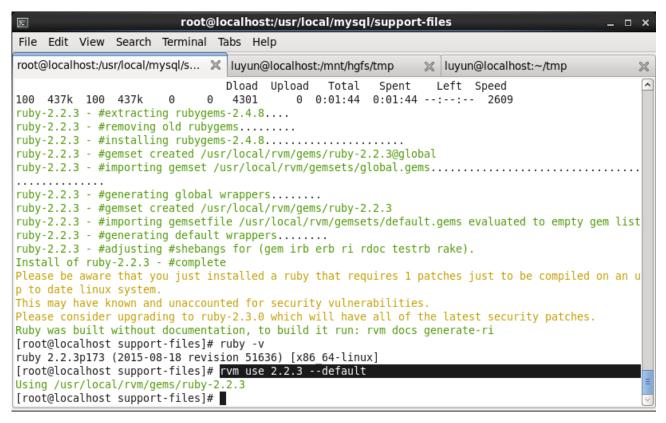
gem sources --remove https://rubygems.org/
gem sources -a https://ruby.taobao.org/ # 切換gem源为淘宝
```



```
root@localhost:/usr/local/mysql/support-files
File Edit View Search Terminal Tabs Help
root@localhost:/usr/local/mysql/s... X | luyun@localhost:/mnt/hgfs/tmp
                                                                > luyun@localhost:~/tmp
gpg: Total number processed: 1
                   imported: 1
gpg:
                                (RSA: 1)
                                 curl -L https://get.rvm.io | bash -s stable
[root@localhost support-files]#
            % Received % Xferd Average Speed
 % Total
                                                         Time
                                                                  Time Current
                                                 Time
                                 Dload Upload
                                                Total
                                                         Spent
                                                                  Left Speed
100 22865 100 22865
                        Θ
                              Θ
                                  3835
                                            0 0:00:05 0:00:05 --:-- 26931
Downloading https://github.com/rvm/rvm/archive/1.27.0.tar.gz
Downloading https://github.com/rvm/rvm/releases/download/1.27.0/1.27.0.tar.gz.asc
gpg: Signature made Tue 29 Mar 2016 06:49:47 AM PDT using RSA key ID BF04FF17
gpg: Good signature from "Michal Papis (RVM signing) <mpapis@gmail.com>"
gpg: Note: This key has expired!
Primary key fingerprint: 409B 6B17 96C2 7546 2A17 0311 3804 BB82 D39D C0E3
     Subkey fingerprint: 62C9 E5F4 DA30 0D94 AC36 166B E206 C29F BF04 FF17
GPG verified '/usr/local/rvm/archives/rvm-1.27.0.tgz'
Creating group 'rvm'
Installing RVM to /usr/local/rvm/
grep: /root/.gconf/apps/gnome-terminal/profiles/Default/%gconf.xml: No such file or directory
stat: cannot stat `/<gconf>/ a<entry name=\'login shell\' mtime=\'1470669782\' type=\'bool\' value
=\'true\'/>': No such file or directory
stat: cannot stat `/<gconf>/ a<entry name=\'login_shell\' mtime=\'1470669782\' type=\'bool\' value
=\'true\'/>': No such file or directory
Installation of RVM in /usr/local/rvm/ is almost complete:
```



```
root@localhost:/usr/local/mysql/support-files
                                                                                     □ X
File Edit View Search Terminal Tabs Help
root@localhost:/usr/local/mysql/s... 💥 | luyun@localhost:/mnt/hgfs/tmp
                                                         > luyun@localhost:~/tmp
Checking requirements for centos.
Installing requirements for centos.
Installing required packages: libyaml-devel, autoconf, gcc-c++, readline-devel, zlib-devel, libffi
-devel, openssl-devel, automake, libtool, bison, sqlite-devel......
Requirements installation successful.
[root@localhost support-files]# rvm -v
https://rvm.io/]
[root@localhost support-files]# rvm install 2.2.3
Searching for binary rubies, this might take some time.
No binary rubies available for: centos/6/x86_64/ruby-2.2.3.
Continuing with compilation. Please read 'rvm help mount' to get more information on binary rubies
Checking requirements for centos.
Requirements installation successful.
Installing Ruby from source to: /usr/local/rvm/rubies/ruby-2.2.3, this may take a while depending
on your cpu(s)...
ruby-2.2.3 - #downloading ruby-2.2.3, this may take a while depending on your connection...
 % Total
         % Received % Xferd Average Speed Time
                                                  Time
                                                           Time Current
                             Dload Upload Total Spent
                                                           Left Speed
100 12.7M 100 12.7M
                          0 46995
                     Θ
                                      0 0:04:43 0:04:43 --:-- 56755
ruby-2.2.3 - #extracting ruby-2.2.3 to /usr/local/rvm/src/ruby-2.2.3....
ruby-2.2.3 - #applying patch /usr/local/rvm/patches/ruby/2.2.3/fix installing bundled gems.patch.
ruby-2.2.3 - #configuring.....
```

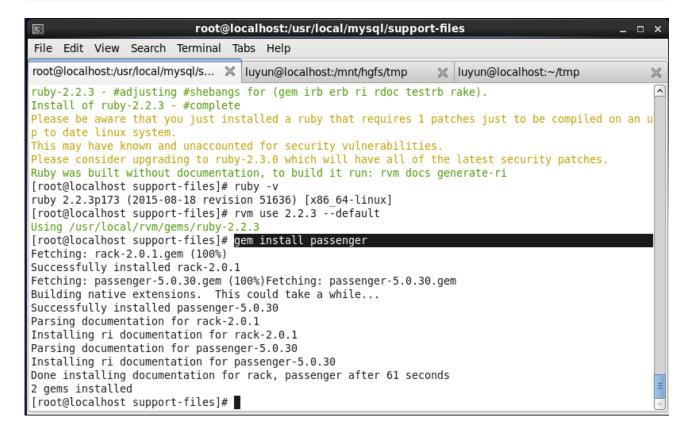


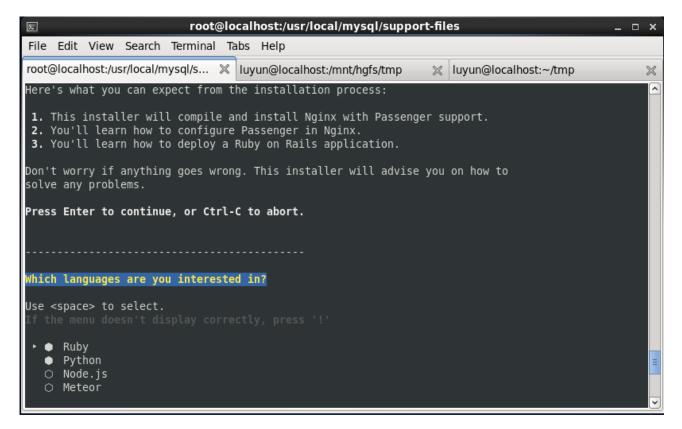
# 三、安装 nginx

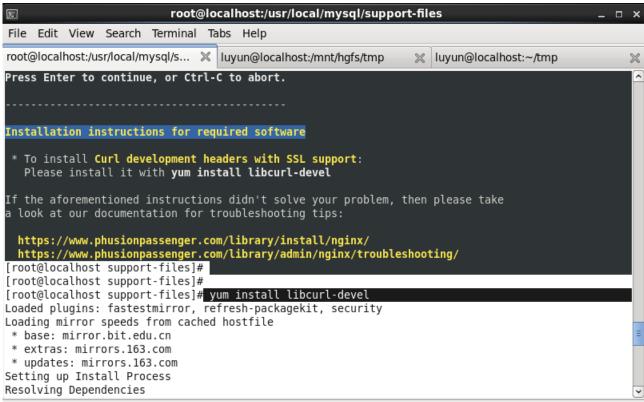
```
gem install passenger
passenger-install-nginx-module

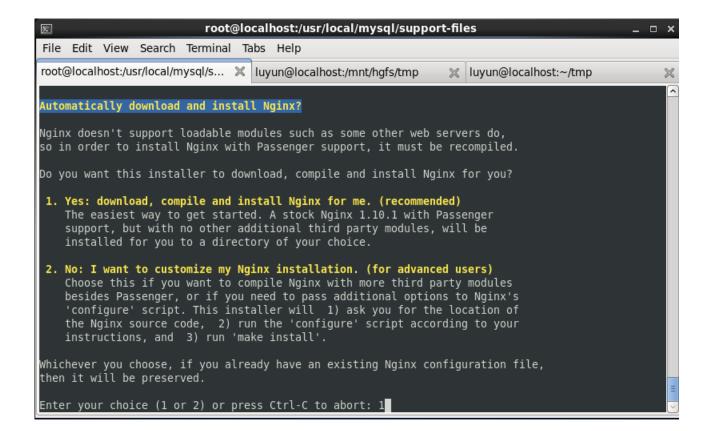
# 安装过程中有以下交互
# Which languages are you interested in? 回车
# Automatically download and install Nginx? 1回车
# Where do you want to install Nginx to? 回车
# Press ENTER to continue. 回车

# 如果提示 缺少SSL 组件
# yum install libcurl-devel
```









• 3.2 配置 nginx 服务

vim /opt/nginx/conf/nginx.conf

```
root@localhost:/usr/local/mysql/support-files
File Edit View Search Terminal Tabs Help
root@localhost:/usr/local/mysql/s... 🗶 luyun@localhost:/mnt/hgfs/tmp 💢 luyun@localhost:~/tmp
                                                                                               ×
Generating RSA private key, 2048 bit long modulus
e is 65537 (0x10001)
[root@localhost support-files]# openssl req -new -x509 -key privkey.pem -out cacert.pem -days 1095
You are about to be asked to enter information that will be incorporated
into your certificate request.
What you are about to enter is what is called a Distinguished Name or a DN.
There are quite a few fields but you can leave some blank
For some fields there will be a default value,
If you enter '.', the field will be left blank.
Country Name (2 letter code) [XX]:CN
State or Province Name (full name) []:shenzhen
Locality Name (eg, city) [Default City]:shenzhen
Organization Name (eg, company) [Default Company Ltd]:luyun
Organizational Unit Name (eg, section) []:luyun
Common Name (eg, your name or your server's hostname) []:luyun
Email Address []:
[root@localhost support-files]# sudo cp cacert.pem /etc/ssl/private
[root@localhost support-files]# sudo cp privkey.pem /etc/ssl/private
[root@localhost support-files]# vim /opt/nginx/conf/nginx.conf
[root@localhost support-files]#
```

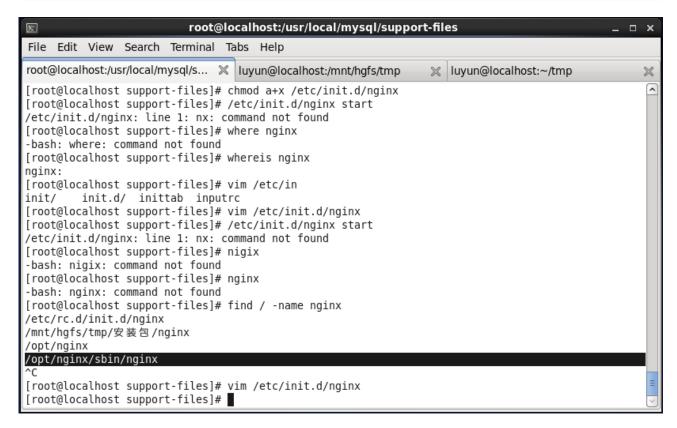
## • 3.3 配置 nginx 命令

vim /etc/init.d/nginx

```
. /etc/rc.d/init.d/functions
. /etc/sysconfig/network
[ "$NETWORKING" = "no" ] && exit 0
prog=$(basename $nginx)
NGINX CONF FILE="/opt/nginx/conf/nginx.conf" # nginx 配置位置
[ -f /etc/sysconfig/nginx ] && . /etc/sysconfig/nginx
lockfile=/var/lock/subsys/nginx
   user=`$nginx -V 2>&1 | grep "configure arguments:" | sed 's/[^*]*
--user=\([^ ]*\).*/\1/g' -`
   if [ -z "`grep $user /etc/passwd`" ]; then
       useradd -M -s /bin/nologin $user
   options=`$nginx -V 2>&1 | grep 'configure arguments:'`
   for opt in $options; do
       if [ `echo $opt | grep '.*-temp-path'` ]; then
               mkdir -p $value && chown -R $user $value
    [ -x $nginx ] || exit 5
    [ -f $NGINX CONF FILE ] || exit 6
    retval=$?
    return $retval
    echo -n $"Stopping $prog: "
    killproc $prog -QUIT
    retval=$?
```

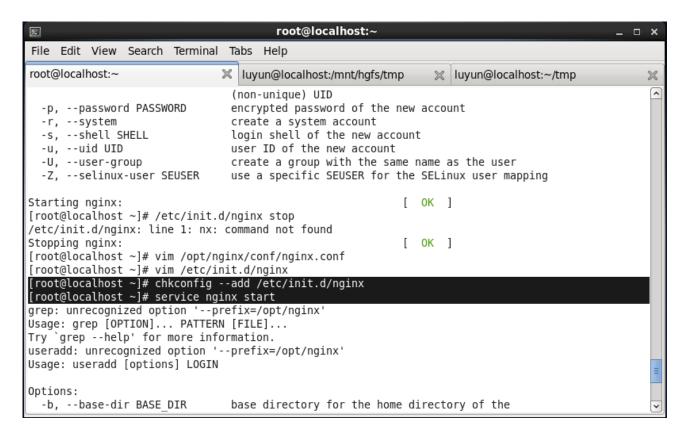
```
return $retval
   configtest || return $?
   start
   configtest || return $?
   RETVAL=$?
   restart
case "$1" in
   start)
        $1
    stop)
        $1
    restart|configtest)
        ;;
        rh_status_q || exit 7
        ;;
```

```
status)
    rh_status
    ;;
condrestart|try-restart)
    rh_status_q || exit 0
        ;;
    *)
        echo $"Usage: $0 {start|stop|status|restart|condrestart|try-restart|reload|force-reload|configtest}"
        exit 2
esac
```



#### • 设置可执行权限

```
chmod a+x /etc/init.d/nginx
/etc/init.d/nginx start # 测试正常启动
/etc/init.d/nginx stop # 测试正常停止
```



## • 使用chkconfig进行管理

```
chkconfig --add /etc/init.d/nginx
service nginx start # 测试正常启动
service nginx stop # 测试正常停止
chkconfig nginx on # 设置开机自启
```

```
root@localhost:~
File Edit View Search Terminal Tabs Help
root@localhost:~
                              | luyun@localhost:~/tmp
                                                                                                 X
                                use this alternative skeleton directory
 -k, --skel SKEL DIR
 -K, --key KEY=VALUE
                               override /etc/login.defs defaults
 -l, --no-log-init
                               do not add the user to the lastlog and
                               faillog databases
                               create the user's home directory
 -m, --create-home
 -M, --no-create-home
                               do not create the user's home directory
 -N, --no-user-group
                               do not create a group with the same name as
                               the user
 -o, --non-unique
                               allow to create users with duplicate
                                (non-unique) UID
 -p, --password PASSWORD
                               encrypted password of the new account
 -r, --system
                               create a system account
 -s, --shell SHELL
                               login shell of the new account
 -u, --uid UID
                               user ID of the new account
 -U, --user-group
                               create a group with the same name as the user
 -Z, --selinux-user SEUSER
                              use a specific SEUSER for the SELinux user mapping
Starting nginx:
                                                           [ 0K ]
[root@localhost ~]# servier nginx stop
-bash: servier: command not found
[root@localhost ~]# service nginx stop
Stopping nginx:
                                                           [ OK ]
[root@localhost ~]# chkconfig nginx on
[root@localhost ~]#
```

## 四、项目启动

• 解压项目包

```
cd /home/www # 进入 www 目录
tar xvfz ryunkang.tar.gz # 解压项目文件
cd ryunkang # 进入项目文件夹
```

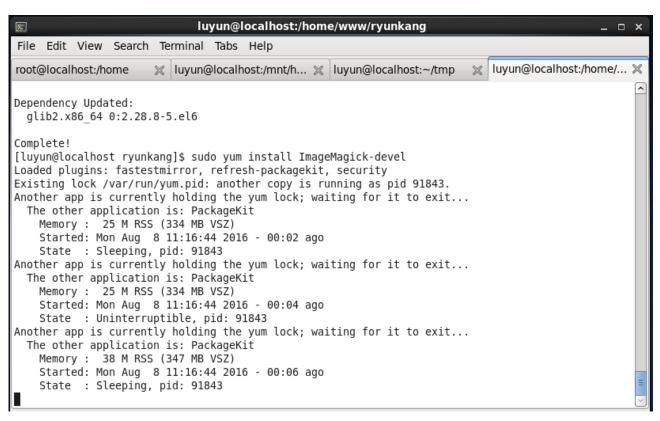
• 安装依赖包

```
# 安装 bundler
gem install bundler

# 安装 ImageMagick
yum install ImageMagick
yum install ImageMagick-devel

# 安装依赖包
bundle install
```

```
luyun@localhost:/home/www/ryunkang
File Edit View Search Terminal Tabs Help
root@localhost:/home
                     luyun@localhost:/home/... X
Installing haml 4.0.7
Installing ruby parser 3.8.2
Installing omniauth 1.3.1
Installing httparty 0.13.7
Installing httpi 2.4.2
Installing sidekiq 4.1.2
An error occurred while installing rmagick (2.15.4), and Bundler cannot continue.
Make sure that `gem install rmagick -v '2.15.4'` succeeds before bundling.
[luyun@localhost ryunkang2]$ pwd
/home/www/ryunkang2
[luyun@localhost ryunkang2]$ cd ..
[luyun@localhost www]$ mv ryunkang2 ryunkang
[luyun@localhost www]$ ls
ryunkang ryunkang.tar.gz
[luyun@localhost www]$ cd ryunkang
[luyun@localhost ryunkang]$ yum install ImageMagick
Loaded plugins: fastestmirror, refresh-packagekit, security
You need to be root to perform this command.
[luyun@localhost ryunkang]$ sudo yum install ImageMagick
[sudo] password for luyun:
Loaded plugins: fastestmirror, refresh-packagekit, security
Loading mirror speeds from cached hostfile
* base: mirror.bit.edu.cn
* extras: mirrors.163.com
```



```
root@localhost:/home
File Edit View Search Terminal Tabs Help
                    root@localhost:/home
                                                                   [root@localhost ~]# chkconfig nginx on
[root@localhost ~]# cd /home/www/
[root@localhost www]# ls
[root@localhost www]# sudo chmod 677 .
[root@localhost www]# sudo chmod -R 677 .
[root@localhost www]# ls -hl
total 0
[root@localhost www]# cd ..
[root@localhost home]# ls -hl www
total 0
[root@localhost home]# ls
luyun www
[root@localhost home]# ls -hl
total 8.0K
drwx----. 27 luyun luyun 4.0K Aug 8 11:03 luyun
drw-rwxrwx. 2 root root 4.0K Aug 8 07:31
[root@localhost home]# gem install bundler
Fetching: bundler-1.12.5.gem (100%)
Successfully installed bundler-1.12.5
Parsing documentation for bundler-1.12.5
Installing ri documentation for bundler-1.12.5
Done installing documentation for bundler after 6 seconds
1 gem installed
[root@localhost home]#
```

## • 初始化数据库(只有首次执行)

```
sudo mkdir /usr/local/.db
sudo vi /usr/local/.db/mysql.pas # 输入mysql数据库密码
RAILS_ENV=production rake db:create db:migrate db:seed
```

```
luyun@localhost:/home/www/ryunkang
File Edit View Search Terminal Tabs Help
                      root@localhost:/home
  config.ru:3:in `require'
 config.ru:3:in `block in <main>'
 /usr/local/rvm/gems/ruby-2.2.3/gems/rack-1.6.4/lib/rack/builder.rb:55:in `instance_eval' /usr/local/rvm/gems/ruby-2.2.3/gems/rack-1.6.4/lib/rack/builder.rb:55:in `initialize'
 config.ru:1:in `new'
 config.ru:1:in `<main>'
 /usr/local/rvm/gems/ruby-2.2.3/gems/passenger-5.0.30/src/helper-scripts/rack-preloader.rb:110:in
 /usr/local/rvm/gems/ruby-2.2.3/gems/passenger-5.0.30/src/helper-scripts/rack-preloader.rb:110:in
 'preload app'
  /usr/local/rvm/gems/ruby-2.2.3/gems/passenger-5.0.30/src/helper-scripts/rack-preloader.rb:156:in
`<module:App>'
                                                                                                      νοι
 /usr/local/rvm/gems/ruby-2.2.3/gems/passenger-5.0.30/src/helper-scripts/rack-preloader.rb:30:in
`<module:PhusionPassenger>'
 /usr/local/rvm/gems/ruby-2.2.3/gems/passenger-5.0.30/src/helper-scripts/rack-preloader.rb:29:in
`<main>'
[ 2016-08-08 11:32:31.6608 93173/7f51d61cb700 age/Cor/Con/CheckoutSession.cpp:285 ]: [Client 1-1]
Cannot checkout session because a spawning error occurred. The identifier of the error is 0f998d2e
. Please see earlier logs for details about the error.
^C
[luyun@localhost log]$ cd ..
[luyun@localhost ryunkang]$ RAILS ENV=production rake db:create db:migrate
```

# 六、启动 nginx 服务器

sudo service nginx start

```
# 浏览器访问
http://localhost:3000/
# 用户名:admin
# 密码:123456
```

