# 基础维护

## 安全包更新

sed -i "s/us.archive.ubuntu.com/mirrors.aliyun.com/" /etc/apt/sources.list

aptitude update

aptitude -y upgrade

reboot

apt-get autoremove

## 第三方源

### mysql

http://dev.mysql.com/downloads/repo/apt/

wget http://dev.mysql.com/get/mysql-apt-config\_0.3.2-1ubuntu14.04\_all.deb

### nginx

### mongodb

apt-key adv --keyserver hkp://keyserver.ubuntu.com:80 --recv 7F0CEB10

echo "deb http://repo.mongodb.org/apt/ubuntu trusty/mongodb-org/3.0 multiverse" | tee /etc/apt/sources.list.d/mongodb-org-3.0.list

apt-get update

apt-get install -y mongodb-org

## 基础包安装

sudo apt-get install -y build-essential htop supervisor zsh git

## 修改hostname

hostnamectl set-hostname XXXX

vi /etc/hostname

vi /etc/hosts

# 建普通用户

useradd -d /home/kevin -m -G sudo -s /bin/zsh kevin

useradd -d /var/lib/redis -m -s /bin/false redis

passwd kevin

su - kevin

ssh-keygen

echo 'ssh-rsa AAAAB3NzaC1yc2EAAAADAQABAAABAQC9bNFEhPhxdqdH+dz4Ao/cfLhDW4eqWOu6IVkWmaRRG0oAEQ3H0ukRhZT71tJ2Q2frocaKxTuJ0gBbXMGgBdNcrp1fiZNXRHSwJydRllpMA/9ME0ebKH+PmBBvIgUkyPKpDUe+Uga9NpvsUl1y+Q9YLgzmsgXFioxD3/Kb3aZilL0UoipdeP7ws+UHpO97TX5rClkgx5w2Xwko3vkfaF60WJuqEDUDQngwOJ0Y3GDnVFvd8sazBKgcb9E+kPU81Pqg7o0qAADIAy/UMXxNPNu8MgNzSCtdO5q0Bi5Elm1u54ksZrr62G/XSmIygsaetfzwkElfNGZgAsUZ+iIe/NMr' >> ~/.ssh/authorized\_keys

chmod 600 ~/.ssh/authorized\_keys

## Oh-My-Zsh

git clone git://github.com/robbyrussell/oh-my-zsh.git ~/.oh-my-zsh

chsh -s /bin/zsh

cp ~/.oh-my-zsh/templates/zshrc.zsh-template ~/.zshrc

# 安全加固

## SSH加固

sed -i "s/Port 22/Port 7022/" /etc/ssh/sshd\_config

sed -i "s/PermitRootLogin yes/PermitRootLogin no/" /etc/ssh/sshd\_config

sed -i "s/PasswordAuthentication yes/PasswordAuthentication no/" /etc/ssh/sshd\_config

service ssh restart

## 防火墙

sed -i "s/IPV6=yes/IPV6=no/" /etc/default/ufw

ufw allow 7022/tcp

ufw enable

ufw status verbose

# 服务端软件

## Python3

sudo apt-get install -y libyaml-dev python3-dev python-virtualenv

sudo aptitude install -y libfreetype6-dev libjpeg-dev libxml2-dev libxslt1-dev python3-dev

virtualenv -p python3 env

echo "source env/bin/activate" >> ~/.zshrc

|  |
| --- |
| cat << EOF > reqirements.txt  Pillow==3.0.0  PyYAML==3.11  SQLAlchemy==1.0.9  XlsxWriter==0.7.7  backports-abc==0.4  mysql-connector-python==2.0.4  onetimepass==1.0.1  pinyin==0.2.5  pycrypto==2.6.1  pymongo==3.2  redis==2.10.5  six==1.10.0  tornado==4.3  wheezy.captcha==0.1.44  xlrd==0.9.4  EOF |

pip install -r reqirements.txt --allow-all-external -i <http://pypi.douban.com/simple/>

## Redis

使用root

|  |
| --- |
| sudo -i  wget http://download.redis.io/releases/redis-stable.tar.gz  tar xvf redis-stable.tar.gz  cd redis-stable  make  apt-get install -y tcl8.5; make test  make install  grep "^[^#]" redis.conf > ~redis/redis.conf  sed -i "s/dir .\//dir \/var\/lib\/redis/" ~redis/redis.conf  grep "^[^#]" sentinel.conf > ~redis/sentinel.conf  sed -i "s/mymaster/madeira/" ~redis/sentinel.conf  chown redis. ~redis/redis.conf  chown redis. ~redis/sentinel.conf  mkdir /var/run/redis  mkdir /var/log/redis  chown redis. /var/run/redis/  chown redis. /var/log/redis/  echo "vm.overcommit\_memory = 1" >> /etc/sysctl.conf  sudo sysctl vm.overcommit\_memory=1  cd ..  rm -rf redis-stable\* |

/var/lib/redis/redis.conf

|  |
| --- |
| daemonize no  pidfile /var/run/redis.pid  port 6379  tcp-backlog 511  bind 0.0.0.0  timeout 0  tcp-keepalive 0  loglevel notice  logfile ""  databases 16  save 900 1  save 300 10  save 60 10000  stop-writes-on-bgsave-error yes  rdbcompression yes  rdbchecksum yes  dbfilename dump.rdb  dir /var/lib/redis  slave-serve-stale-data yes  slave-read-only yes  repl-disable-tcp-nodelay no  slave-priority 100  appendonly no  appendfilename "appendonly.aof"  appendfsync everysec  no-appendfsync-on-rewrite no  auto-aof-rewrite-percentage 100  auto-aof-rewrite-min-size 64mb  aof-load-truncated yes  lua-time-limit 5000  slowlog-log-slower-than 10000  slowlog-max-len 128  latency-monitor-threshold 0  notify-keyspace-events ""  hash-max-ziplist-entries 512  hash-max-ziplist-value 64  list-max-ziplist-entries 512  list-max-ziplist-value 64  set-max-intset-entries 512  zset-max-ziplist-entries 128  zset-max-ziplist-value 64  hll-sparse-max-bytes 3000  activerehashing yes  client-output-buffer-limit normal 0 0 0  client-output-buffer-limit slave 256mb 64mb 60  client-output-buffer-limit pubsub 32mb 8mb 60  hz 10  aof-rewrite-incremental-fsync yes |

/var/lib/redis/sentinel.conf

|  |
| --- |
| port 26379  dir /var/lib/redis  sentinel monitor madeira 127.0.0.1 6379 1  sentinel down-after-milliseconds madeira 6000  sentinel parallel-syncs madeira 1  sentinel failover-timeout madeira 60000 |

/etc/supervisor/conf.d/redis.conf

|  |
| --- |
| cat << EOF > /etc/supervisor/conf.d/redis.conf  [program:redis]  command=/usr/local/bin/redis-server /var/lib/redis/redis.conf  autostart=true  autorestart=true  user=redis  stdout\_logfile=/var/log/redis/redis-stdout.log  stderr\_logfile=/var/log/redis/redis-stderr.log  EOF |

/etc/supervisor/conf.d/sentinel.conf

|  |
| --- |
| cat << EOF > /etc/supervisor/conf.d/sentinel.conf  [program:sentinel]  command=/usr/local/bin/redis-server /var/lib/redis/sentinel.conf --sentinel  autostart=true  autorestart=true  user=redis  stdout\_logfile=/var/log/redis/sentinel-stdout.log  stderr\_logfile=/var/log/redis/sentinel-stderr.log  EOF |

supervisorctl update

数据库

create database purus default charset utf8;

### 静态IP配置(Ubuntu)

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| --- |
| root@ubuntu1:/etc/network# cat interfaces# This file describes the network interfaces available on your system# and how to activate them. For more information, see interfaces(5).# The loopback network interfaceauto loiface lo inet loopback# The primary network interfaceauto eth0iface eth0 inet staticaddress 192.168.1.71netmask 255.255.255.0gateway 192.168.1.1 dns-nameservers 114.114.114.114 114.114.115.115 |