启动虚拟机

ssh 通信成功



利用 virtual box 查看虚拟机

profile 修改

```
PS D:\subject\云计算\test> vagrant halt
==> compute: Attempting graceful shutdown of VM...
==> network: Attempting graceful shutdown of VM...
==> controller: Attempting graceful shutdown of VM...
PS D:\subject\云计算\test> vagrant up
Bringing machine 'controller' up with 'virtualbox' provider...
Bringing machine 'network' up with 'virtualbox' provider...
Bringing machine 'compute' up with 'virtualbox' provider...
==> controller: Clearing any previously set forwarded norts
Bringing machine 'network' up with 'virtualbox' provider...
Bringing machine 'compute' up with 'virtualbox' provider...

=>> controller: Clearing any previously set forwarded ports...

=>> controller: Clearing any previously set network interfaces...

=>> controller: Preparing network interfaces based on configuration...

controller: Adapter 1: nat

controller: Adapter 2: hostonly

controller: Adapter 3: hostonly

controller: Adapter 4: hostonly

=>> controller: Forwarding ports...

controller: Forwarding ports...

controller: 22 (guest) => 2222 (host) (adapter 1)

=>> controller: Bunning 'pre-boot' VM customizations...

=>> controller: Waiting for machine to boot. This may take a few minutes...

controller: SSH address: 127.0.0.1:2222

controller: SSH dadress: 127.0.0.1:2222

controller: SSH username: vagrant

controller: SSH auch method: private key

=>> controller: Machine booted and ready!

=>> controller: The checking for guest additions in VM...

controller: The guest additions on this VM do not match the installed version of controller: VirtualBox! In most cases this is fine, but in rare cases it can controller: prevent things such as shared folders from working properly. If you see controller: shared folder errors, please make sure the guest additions within the controller: virtual machine match the version of VirtualBox you have installed on
```

关闭虚拟机并且重启成功



virtual box 查看虚拟机

```
vagrant@controller:/etc/apt$ where the sum of the sum o
```

更换为清华源

## vagrant@controller:/etc/apt\$ sudo vim /etc/profile vagrant@controller:/etc/apt\$ source /etc/profile

```
vagrant@controller:~$ sudo vim /etc/profile
vagrant@controller:~$ echo "mysql-server-5.5 mysql-server/root_password password $MYSQL_ROOT_PASS" | sudo debconf-set-selections
echo "mysql-server-5.5 mysql-server/root_password_again password $MYSQL_ROOT_PASS" | sudo debconf-set-selections
echo "mysql-server-5.5 mysql-server/root_password_again password $mysql-server-selections
echo "mysql-server-5.5 mysql-server/root_password_again seen true" | sudo debconf-set-selections
echo "mysql-server-5.5 mysql-server/root_password_again seen true" | sudo debconf-set-selections
set-selections r-5.5 mysql-server/root_password_again password $MYSQL_ROOT_PASS" | sudo debconf-
vagrant@controller:~$ echo "mysql-server-5.5 mysql-server/root_password_again seen true" | sudo debconf-set-selections
vagrant@controller:~$ echo "mysql-server-5.5 mysql-server/root_password_again seen true" | sudo debconf-set-selections
```

修改 profile, debconf

加速 MariaDB

```
vagrant@controller:`$ mysql -u root -p${MYSQL_ROOT_PASS} -h localhost -e "GRANT ALL ON *.* to
root@\"localhost\" IDENTIFIED BY \"${MYSQL_ROOT_PASS}\" WITH GRANT OPTION;"
vagrant@controller:`$ mysql -u root -p${MYSQL_ROOT_PASS} -h localhost -e "GRANT ALL ON *.* to
root@\"${MYSQL_HOST}\" IDENTIFIED BY \"${MYSQL_ROOT_PASS}\" WITH GRANT OPTION;"
vagrant@controller:`$ mysql -u root -p${MYSQL_ROOT_PASS} -h localhost -e "GRANT ALL ON *.* to
root@\"%\" IDENTIFIED BY \"${MYSQL_ROOT_PASS}\" WITH GRANT OPTION;"
vagrant@controller:`$ mysqladmin -uroot -p${MYSQL_ROOT_PASS} flush-privileges
vagrant@controller:`$
```

root user 的权限赋予

```
Reading ackage lists... Done
vagrant@
ntroller: $ sudo apt-get install ntp keystone python-keyring
ackage lists... Done
Building dependency tree
Reading state information... Done
python-keyring is already the newest version.
python-keyring set to manually installed.
The following extra packages will be installed:
libjs-sphinxdoc libjs-underscore libopts25 librabbitmql libxsltl.1

python-amqp python-anyjson python-babel python-babel-localedata
python-decorator python-dns python-dogpile. cache python-dospile. core
python-eventlet python-formencode python-greenlet python-iso8601
python-jsonschema python-leystone python-keystoneclient python-kombu
python-ldap python-librabbitmq python-lockfile python-pantly python-migrate
python-mock python-netaddr python-oauthlib python-penid python-oslo. config
python-oslo. messaging python-passlib python-paste python-pastedeploy
python-pastedeploy-tpl python-pastescript python-pbr python-pycadf
python-repoze.lru python-routes python-scgi python-setuptools
python-sqlalchemy python-sqlalchemy-ext python-stevedore python-tempita
python-z python-webob ssl-cert
Suggested packages:
javascript-common ntp-doc python-amq-doc python-genix-mxdatetime
python-greenlet-doc python-greenlet-dve python-botto python-pika
python-pymongo python-ldap-doc python-pyasnl python-lxml-ddg python-mock-doc
ipython python-netaddr-docs python-pyasnl python-lxml-ddg python-mock-doc
ipython-pymongo python-ldap-doc python-pastewebkit libjs-mochkit
libapache2-mod-wsgi libapache2-mod-python libapache2-mod-ocgi python-psqql
python-kinterbasdb python-pymssql python-webob-doc openssl-blacklist
```

## keystone

```
Vagrant@controller: $ mysql -uroot -popenstack;
Velcome to the MariaDB monitor. Commands end with; or \g.

Your MariaDB connection id is 33

Server version: 5.5.64-MariaDB-lubuntu0.14.04.1 (Ubuntu)

Copyright (c) 2000, 2018, Oracle, MariaDB Corporation Ab and others.

Type 'help;' or '\h' for help. Type '\c' to clear the current input statement.

MariaDB [(none)]> create database keystone;

Query OK, 1 row affected (0.00 sec)

MariaDB [(none)]> grant all privileges on keystone.* to 'keystone'@'localhost' identified by openstack';

Query OK, 0 rows affected (0.00 sec)

MariaDB [(none)]> grant all privileges on keystone.* to 'keystone'@'%' identified by 'openstack';

Query OK, 0 rows affected (0.00 sec)

MariaDB [(none)]> grant all privileges on keystone.* to 'keystone'@'%' identified by 'openstack';

Query OK, 0 rows affected (0.00 sec)

MariaDB [(none)]>
```

后台数据库存储和创建用户

```
admin_token=ADMIN
log_dir =/var/log/keystone
use_syslog=True
syslog_log_facility=LOG_LOCALO

[database]
connection=mysql://keystone:openstack@172.16.0.200/keystone

[extra_headers]
Distribution=Ubuntu

# Options defined in keystone
```

## 配置 OpenStack

```
vagrant@controller:~$ sudo vim /etc/keystone/keystone.conf
vagrant@controller:~$ vagrant@controller:~$ sudo restart keystone
keystone start/running, process 4925
vagrant@controller:~$ sudo restart keystone
keystone start/running, process 4931
vagrant@controller:~$ sudo keystone-manage db_sync
vagrant@controller:~$
```

## 向据库填充必须的数据表

配置测试