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Task 1 部署报告

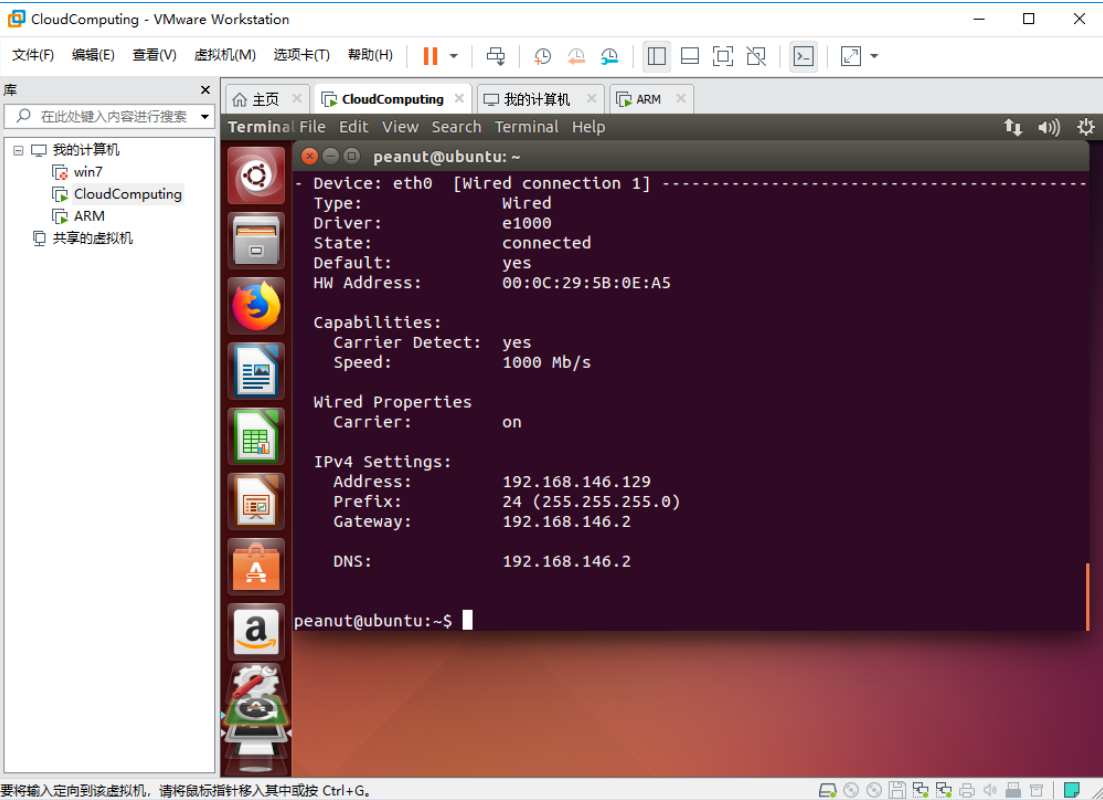
16340291 张马良

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失败

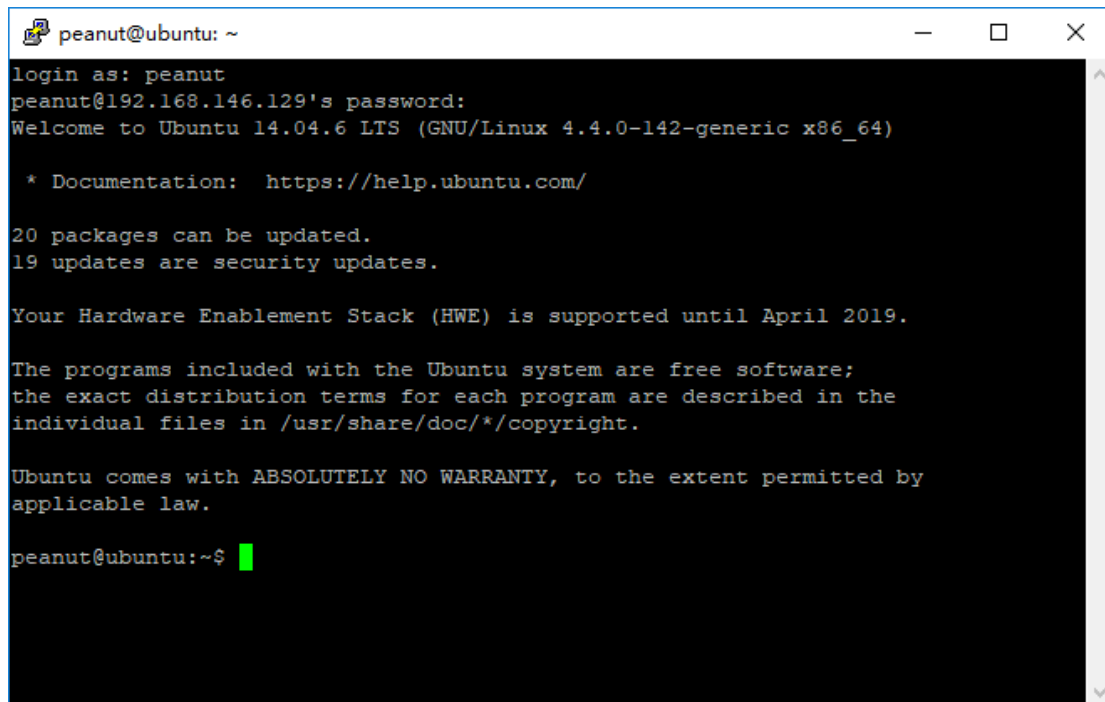
安装 ubuntu desktop 14.04

我使用的使 VMWare，他已经设置好了 NAT 的网络设置了



然后 ping 内外网检测：

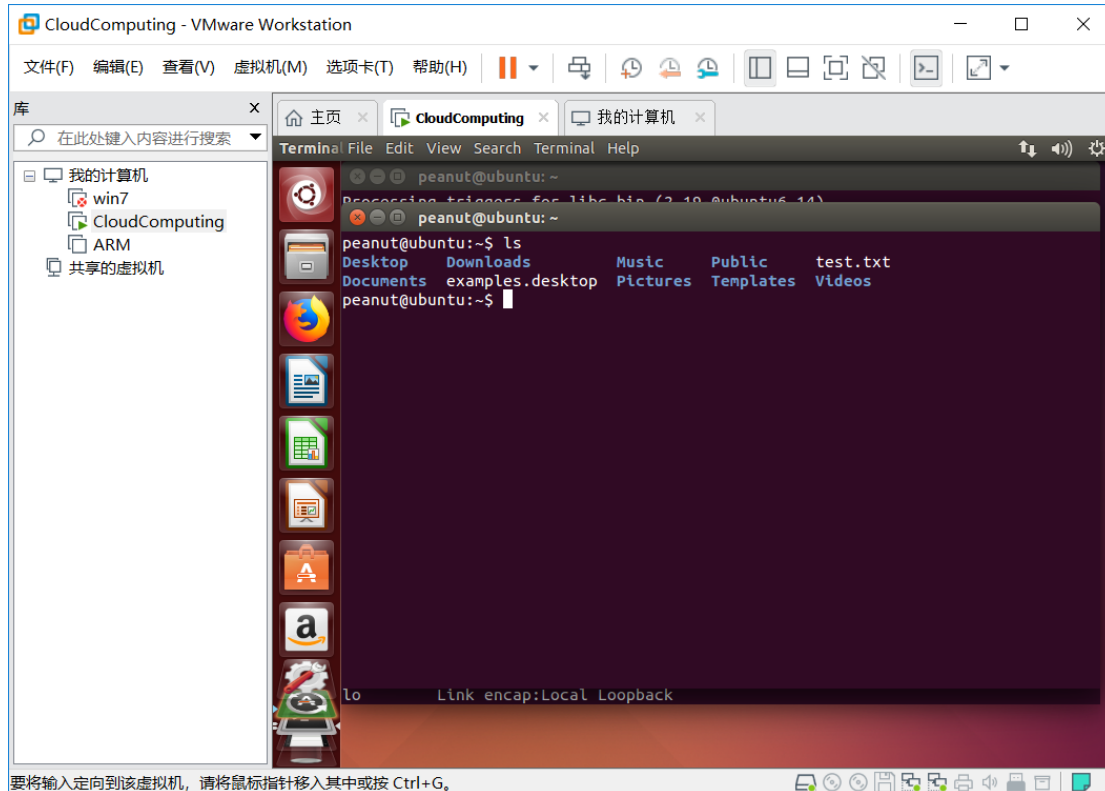
然后用 puTTY 连接上，传送脚本文件：



```
peanut@ubuntu: ~  
login as: peanut  
peanut@192.168.146.129's password:  
Welcome to Ubuntu 14.04.6 LTS (GNU/Linux 4.4.0-142-generic x86_64)  
  
 * Documentation:  https://help.ubuntu.com/  
  
20 packages can be updated.  
19 updates are security updates.  
  
Your Hardware Enablement Stack (HWE) is supported until April 2019.  
  
The programs included with the Ubuntu system are free software;  
the exact distribution terms for each program are described in the  
individual files in /usr/share/doc/*/copyright.  
  
Ubuntu comes with ABSOLUTELY NO WARRANTY, to the extent permitted by  
applicable law.  
peanut@ubuntu:~$
```

这是使用一个测试用的 test.txt 文件传过去，发现成功了，之后开始传大文件。

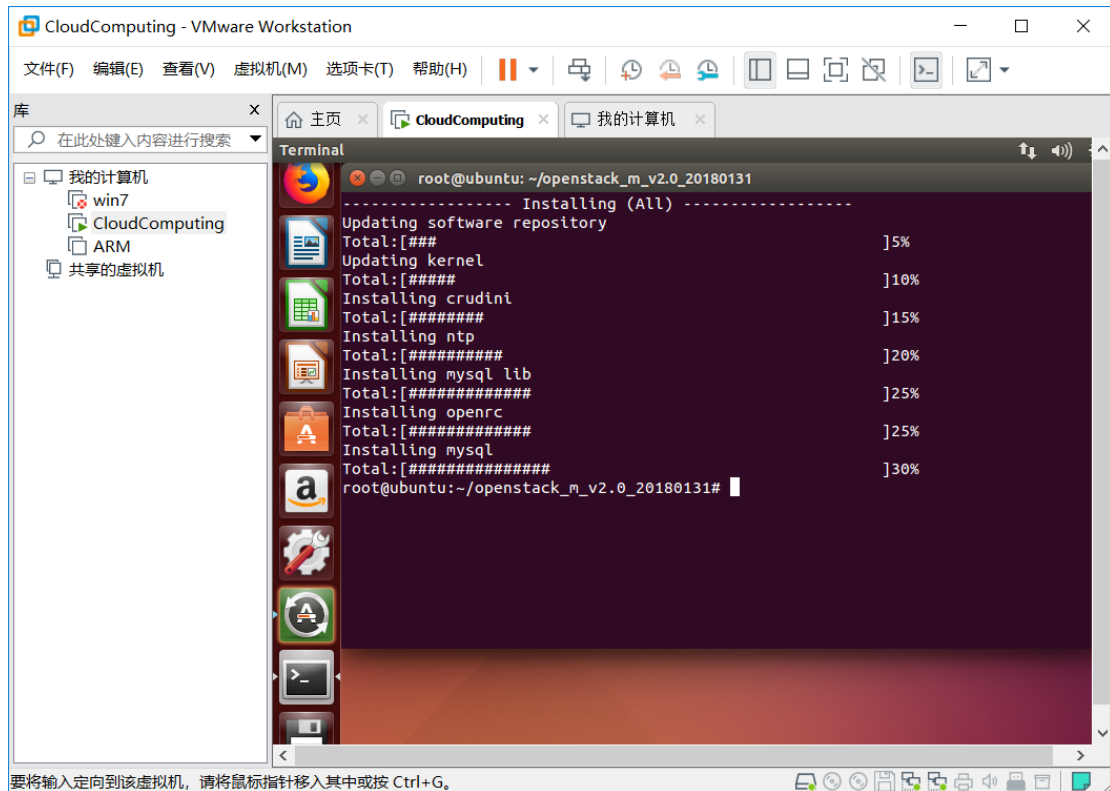
```
E:\puTTY>pscp D:\test.txt peanut@192.168.146.129:/home/peanut  
peanut@192.168.146.129's password:  
E:\puTTY>
```



```
E:\putTY>pscp D:\openstack_m_v2.0_20180131.tar.gz peanut@192.168.146.129:/home/peanut
peanut@192.168.146.129's password:
openstack_m_v2.0_20180131 | 214855 kB | 42971.2 kB/s | ETA: 00:00:00 | 100%
E:\putTY>
```

```
peanut@ubuntu: ~
peanut@ubuntu:~$ ls
Desktop      examples.desktop      Pictures      test.txt
Documents    Music                  Public        Videos
Downloads    openstack_m_v2.0_20180131.tar.gz  Templates
```

然后按照脚本运行，装东西



到这里好像失败了。原因是这个包里下不到 mysql server 了。要换源下载 mysql server 5.5。最开始我换成了阿里源，但是报找不到：

```
peanut@ubuntu: ~  
peanut@192.168.146.132's password:  
Welcome to Ubuntu 14.04.6 LTS (GNU/Linux 4.4.0-142-generic x86_64)  
  
 * Documentation:  https://help.ubuntu.com/  
  
1 package can be updated.  
0 updates are security updates.  
  
Your Hardware Enablement Stack (HWE) is supported until April 2019.  
  
The programs included with the Ubuntu system are free software;  
the exact distribution terms for each program are described in the  
individual files in /usr/share/doc/*/copyright.  
  
Ubuntu comes with ABSOLUTELY NO WARRANTY, to the extent permitted by  
applicable law.  
  
peanut@ubuntu:~$ sudo apt-get install mysql-server  
[sudo] password for peanut:  
Reading package lists... Done  
Building dependency tree  
Reading state information... Done  
E: Unable to locate package mysql-server  
peanut@ubuntu:~$
```

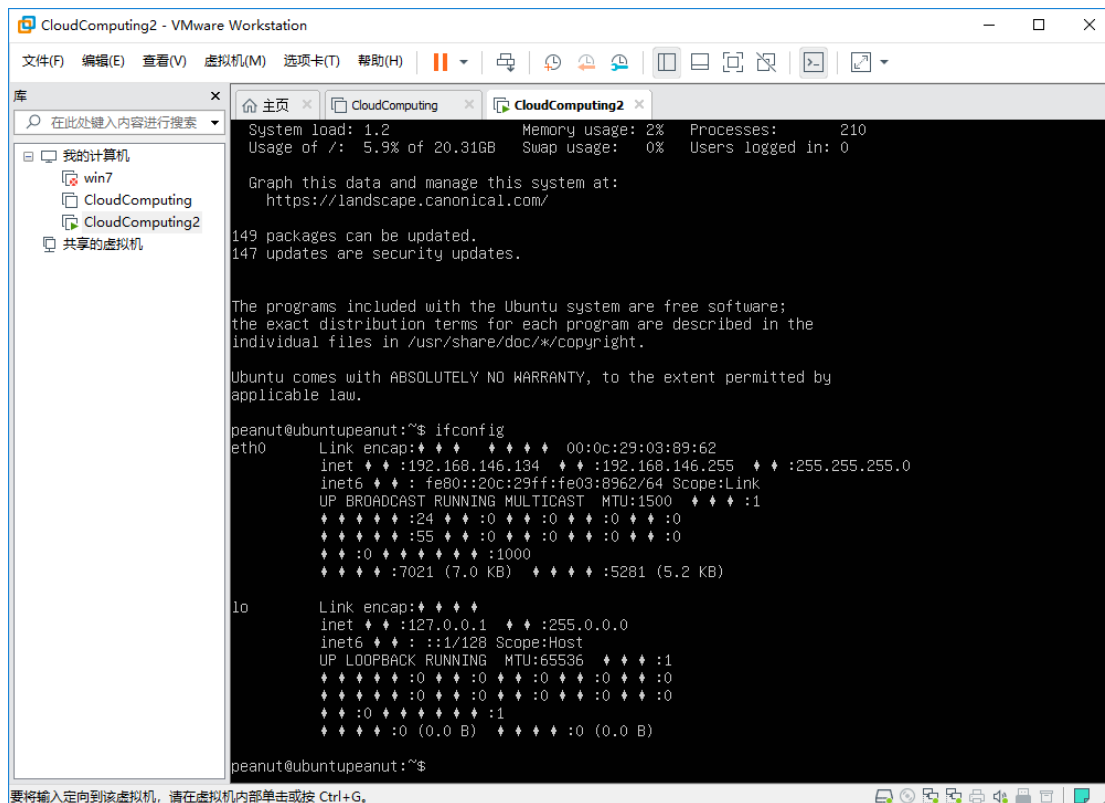
之后换了清华源，然后成功安装。中间有一步是要设置数据库 root 用户密码。
还要安装 keepalived。
Ok，继续安装，然后又是：

```
----- Installing (All) -----  
Updating software repository  
Total:[###]5%  
Updating kernel  
Total:[#####]10%  
Installing crudini  
Total:[#####]15%  
Installing ntp  
Total:[#####]20%  
Installing mysql lib  
Total:[#####]25%  
Installing openrc  
Total:[#####]25%  
Installing mysql  
Total:[#####]30%  
root@ubuntu:~/openstack_m_v2.0_20180131#
```

又失败了……

成功

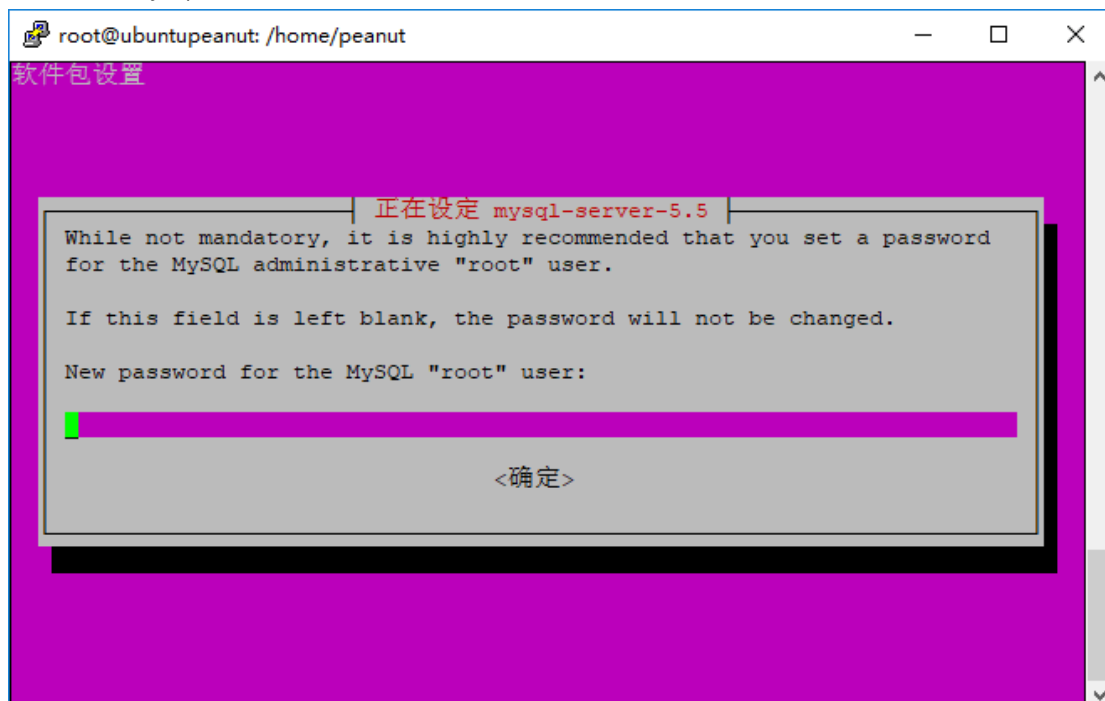
好在这时候 TA 又在群里上传了更多的教程。和上次相比，这次最主要的区别我看起来似乎是 ubuntu 版本是 14.04.5。
好的，重新安装虚拟机：



安装好了，用 puTTY 连上，方便复制粘贴。

用 vi 的话不能复制粘贴，懒得换源了。软件安装的时候下载的很慢。apt-get update 了有 20 分钟……然后我看见 TA 的指南里写：不能更新操作系统的包。完了，但是都下完了，先继续试试。果然不知道为啥 update 失败了。之后怀着侥幸心理进行接下来的步骤。

然后安装 mysql-server-5.5,设置密码:



然后再下 keepalived。失败了，不过我再 apt-get update 更新一下包，然后又莫名其妙安装成功了。之后用 puTTY 把文件传到虚拟机。

```
选择命令提示符
-q      quiet, don't show statistics
-r      copy directories recursively
-v      show verbose messages
-load sessname Load settings from saved session
-P port  connect to specified port
-l user  connect with specified username
-pw passw login with specified password
-l -2    force use of particular SSH protocol version
-4 -6    force use of IPv4 or IPv6
-C       enable compression
-i key   private key file for user authentication
-noagent disable use of Pageant
-agent   enable use of Pageant
-hostkey aa:bb:cc:...
         manually specify a host key (may be repeated)
-batch   disable all interactive prompts
-proxycmd command
         use 'command' as local proxy
-unsafe  allow server-side wildcards (DANGEROUS)
-sftp    force use of SFTP protocol
-scp     force use of SCP protocol
-sshlog file
-sshrawlog file
         log protocol details to a file

E:\putTY>pscp D:\openstack_m_v2.0_20180131.tar.gz peanut@192.168.146.134:/home/peanut
peanut@192.168.146.134 s password:
openstack_m_v2.0_20180131 | 214855 kB | 35809.3 kB/s | ETA: 00:00:00 | 100%

E:\putTY>
```

然后将文件拷贝到 root 目录下，解压。

```
root@ubuntupeanut: ~
openstack_m_v2.0_20180131/lib/glance.sh
openstack_m_v2.0_20180131/lib/patches.sh
openstack_m_v2.0_20180131/lib/nova-spice_compute.sh
openstack_m_v2.0_20180131/lib/ntp.sh
openstack_m_v2.0_20180131/lib/vimagesync.sh
openstack_m_v2.0_20180131/lib/service-detact.sh
openstack_m_v2.0_20180131/lib/service_control.sh
openstack_m_v2.0_20180131/lib/crudini.sh
openstack_m_v2.0_20180131/lib/ovs-network.sh
openstack_m_v2.0_20180131/lib/mysql-lib.sh
openstack_m_v2.0_20180131/lib/service_detact.sh
openstack_m_v2.0_20180131/lib/nova-network.sh
openstack_m_v2.0_20180131/lib/nova_compute.sh
openstack_m_v2.0_20180131/lib/neutron_network.sh
openstack_m_v2.0_20180131/lib/mysql.sh
openstack_m_v2.0_20180131/lib/ganglia_compute.sh
openstack_m_v2.0_20180131/lib/nova-spice_control.sh
openstack_m_v2.0_20180131/lib/service_compute.sh
openstack_m_v2.0_20180131/lib/memcached.sh
openstack_m_v2.0_20180131/lib/openrc.sh
openstack_m_v2.0_20180131/localrc
root@ubuntupeanut:~# ls
openstack_m_v2.0_20180131  openstack_m_v2.0_20180131.tar.gz
root@ubuntupeanut:~#
```

然后开始运行脚本：


```
root@ubuntupeanut: ~  
----- Installing (All) -----  
Updating software repository  
Total:[###] 15%  
Updating kernel  
Total:[####] 10%  
Installing crudini  
Total:[#####] 15%  
█
```

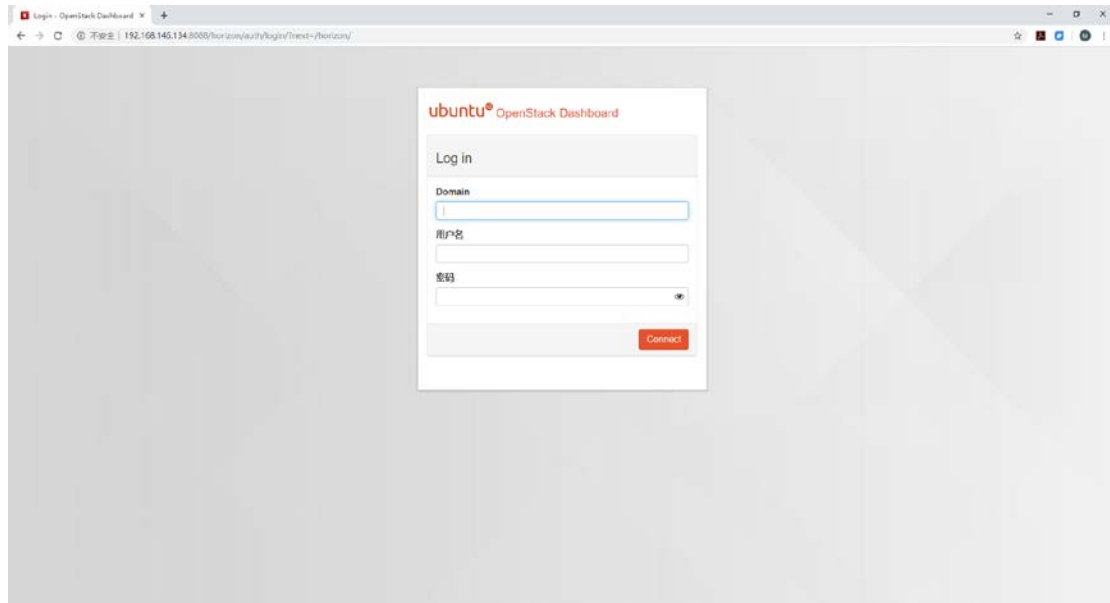
安装过程比较久，可能是更新了包的原因，内心很忐忑。我决定先去教室，在教室用远程桌面看这是什么情况，跳过这个煎熬的等待过程。

等待……

等待过后：脚本安装好像成了，提示我重启。OK，重启。

```
root@ubuntupeanut: ~  
Total:[#####] 75%  
Installing ganglia_control  
Total:[#####] 80%  
Installing ganglia_compute  
Total:[#####] 80%  
Installing secgroup  
Total:[#####] 85%  
Installing spice_control  
Total:[#####] 90%  
Installing spice_compute  
Total:[#####] 95%  
Installing scripts  
Total:[#####] 95%  
Installing vimagesync  
Total:[#####] 96%  
Done  
Total:[#####] 100%  
  
Following steps:  
(1) tools/create_network.sh      create internal nova network  
(2) tools/create_floating.sh    create floating ip  
(3) tools/upload_image.sh       upload image to glance  
And reboot the server!!!  
root@ubuntupeanut:~# █
```

成了，真不错啊



遇见的坑：

1. 必须用 14.04 的 ubuntu，16.04 的不行。好像还必须是 14.04.5 的。
2. 最开始使用的官方镜像，安装完成后重启结果不断地重装系统，可能是 iso 一直作为镜像碟片存在于虚拟机中。换了一个镜像解决这个问题。
3. 使用 VirtualBox 配置虚拟机网络设置的时候即使能 ping 通内外网 ssh 也无法使用，最后用了 VMWare。
4. 虚拟机要虚拟化。