

JOS 相关环境配置

虚拟机

- VirtualBox
- VMWare Workstation



New



Settings



Start



Discard



Details



Snapshots

**ubuntu**

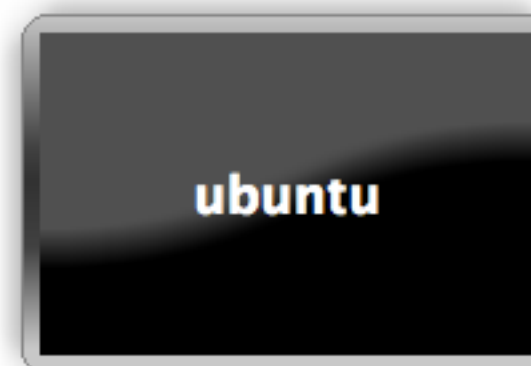
Powered Off

**General**

Name: ubuntu
OS Type: Ubuntu

**System**

Base Memory: 1422 MB
Boot Order: Floppy,
CD/DVD-ROM,
Hard Disk
Acceleration: VT-x/AMD-V,

**Preview****Display**

Video Memory: 64 MB
Acceleration: 3D
Remote Desktop Server: Disabled

**Storage**

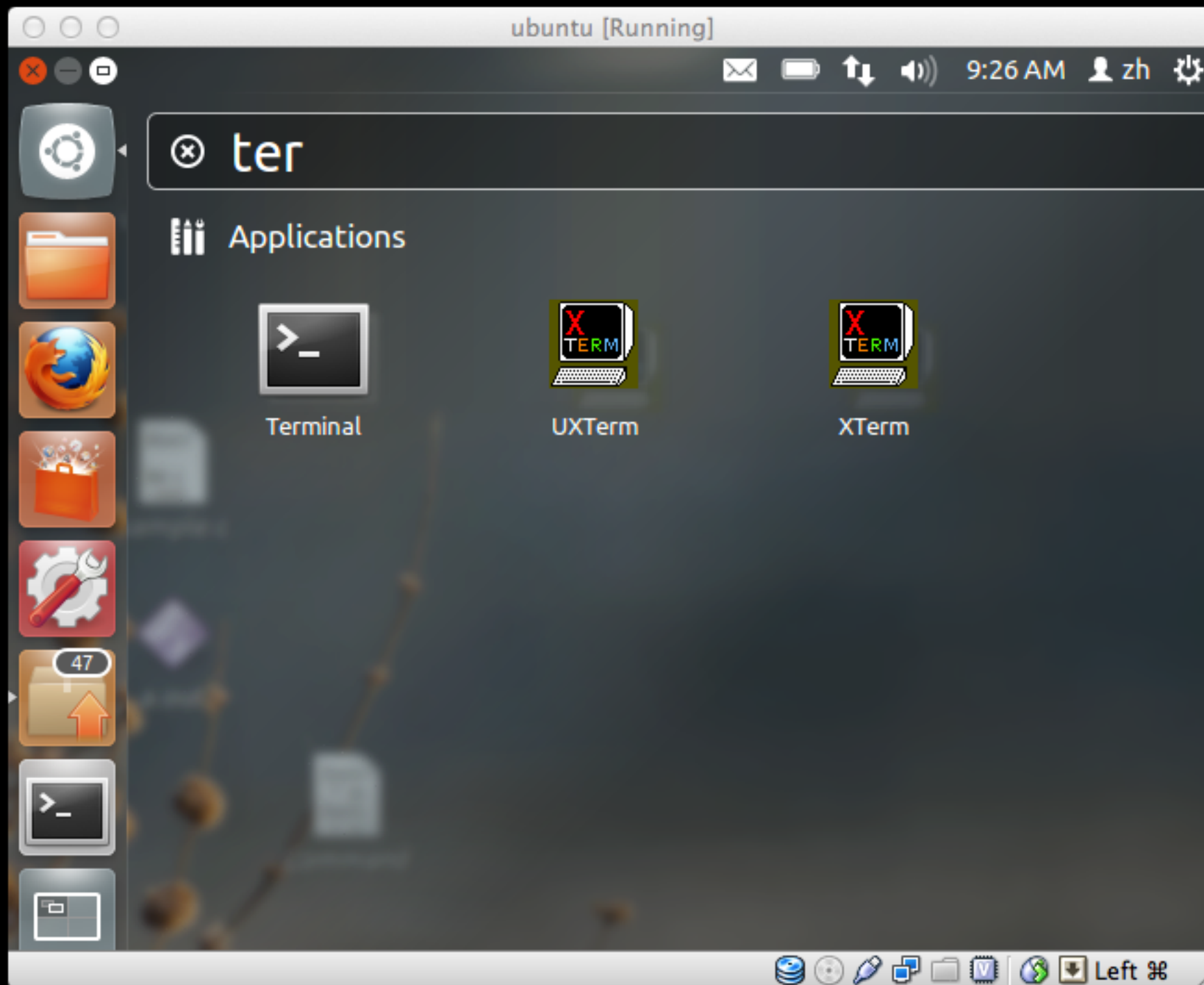
IDE 控制器
IDE Secondary Master (CD/DVD): Empty
SATA 控制器
SATA Port 0: ubuntu.vdi (Normal, 8.00 GB)

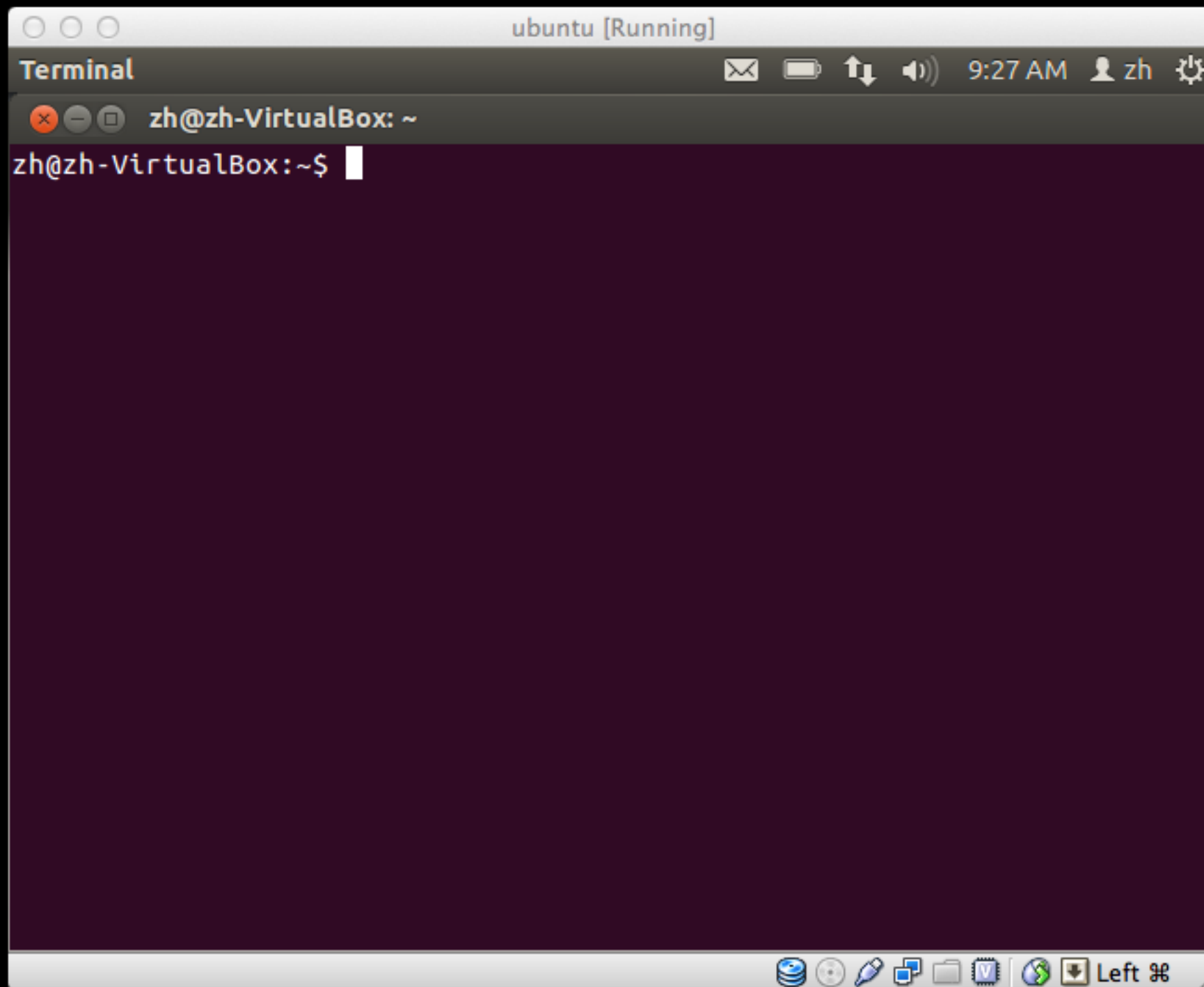
**Audio**

Host Driver: CoreAudio
Controller: ICH AC97

**Network**

Adapter 1: Intel PRO/1000 MT Desktop (NAT)

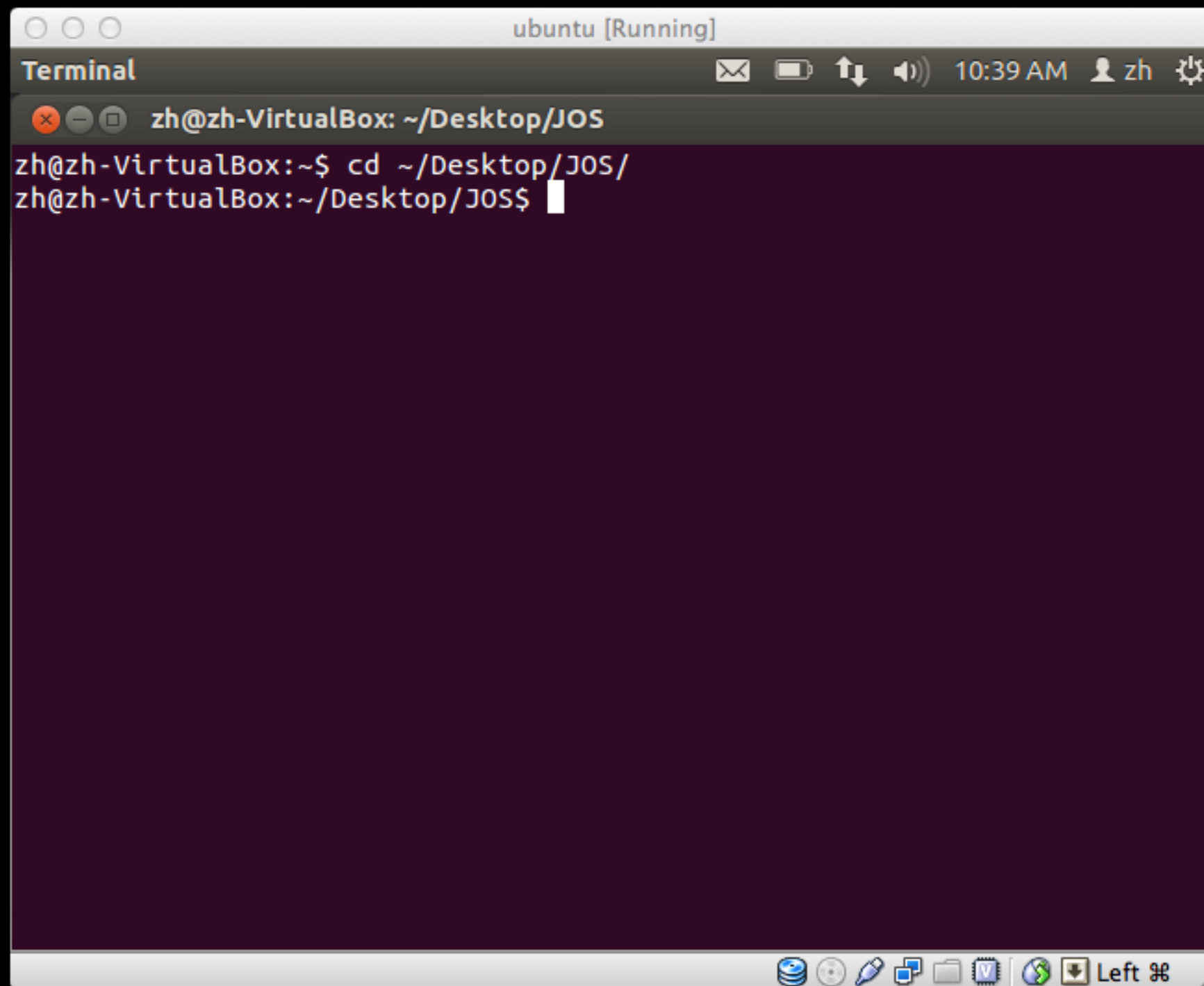




安装软件及依赖

- `sudo apt-get install build-essential glib2.0-dev git`

桌面上创建一个叫 JOS 的文件夹，打开 Terminal，运行
如下命令



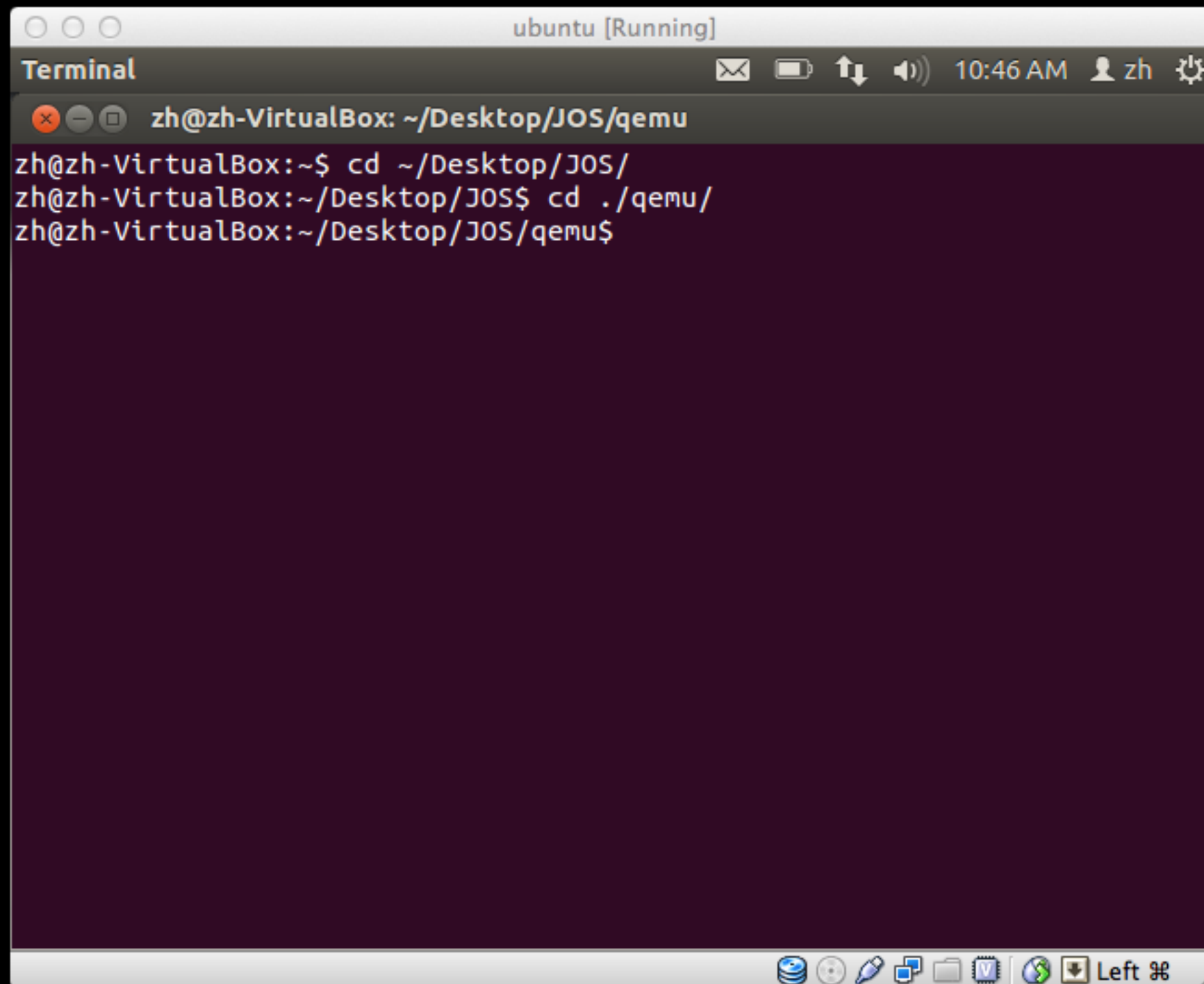
进入创建的JOS目录

获取 JOS Lab I

```
git clone http://pdos.csail.mit.edu/6.828/2012/jos.git lab
```

获取 qemu

```
git clone http://pdos.csail.mit.edu/6.828/qemu.git -b  
6.828-0.15
```



The image shows a terminal window titled "ubuntu [Running]". The window has a title bar with standard Ubuntu window controls (minimize, maximize, close) and a status bar at the bottom with system icons (network, battery, volume, date/time, user, settings). The terminal content shows the user "zh" at the host "zh-VirtualBox" in the directory "~/Desktop/JOS/qemu". The user has executed the following commands:

```
zh@zh-VirtualBox:~$ cd ~/Desktop/JOS/  
zh@zh-VirtualBox:~/Desktop/JOS$ cd ./qemu/  
zh@zh-VirtualBox:~/Desktop/JOS/qemu$
```

进入创建的qemu目录

编译安装 qemu

- `./configure --disable-kvm --target-list="i386-softmmu x86_64-softmmu"`
- `make`
- `sudo make install`

配置 JOS

- 进入 桌面 ~> JOS ~> lab ~> conf 目录
- 打开 env.mk
- 把 # GCCPREFIX=" 的 # 删掉

至此，环境搭建完成。