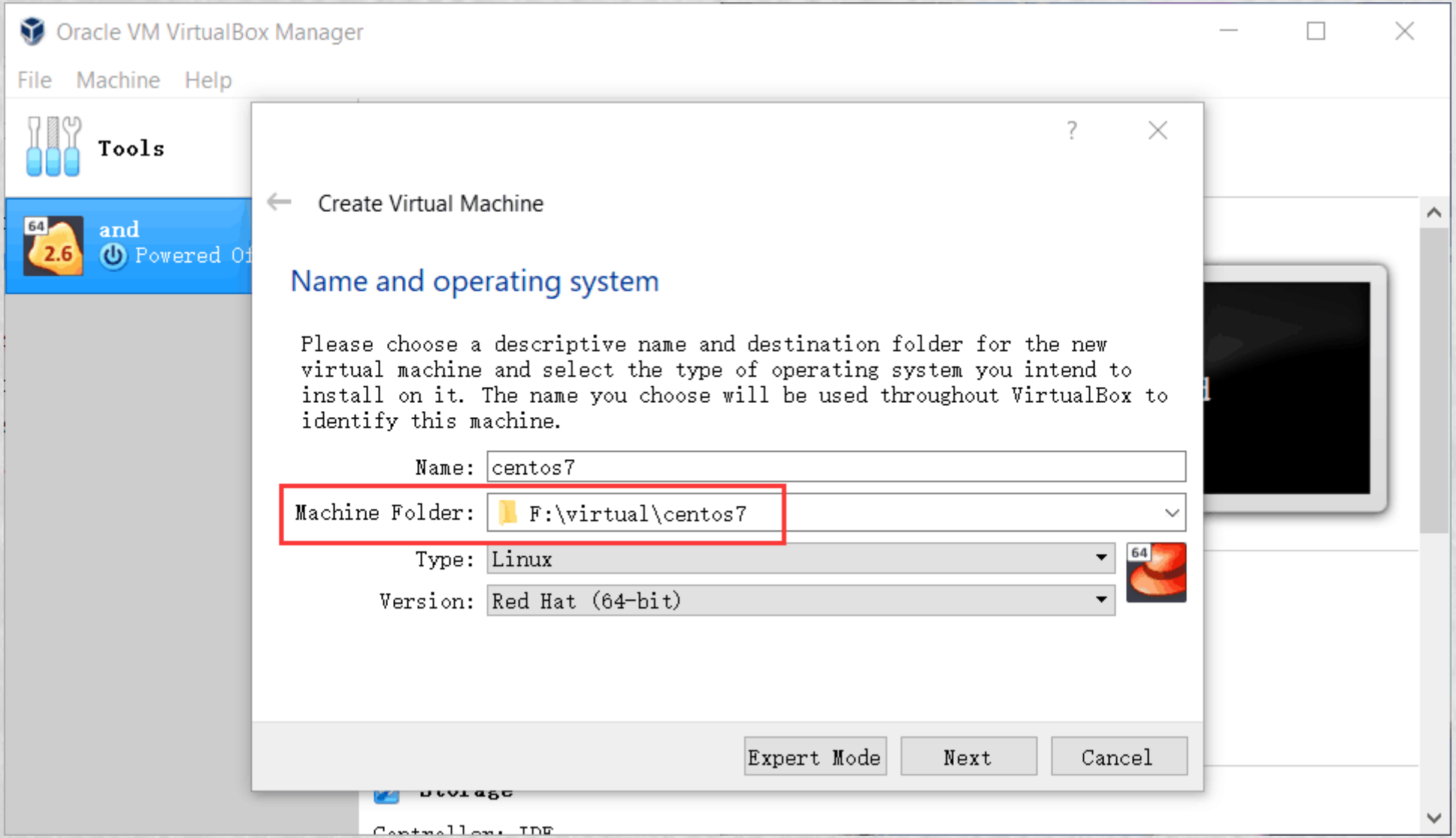
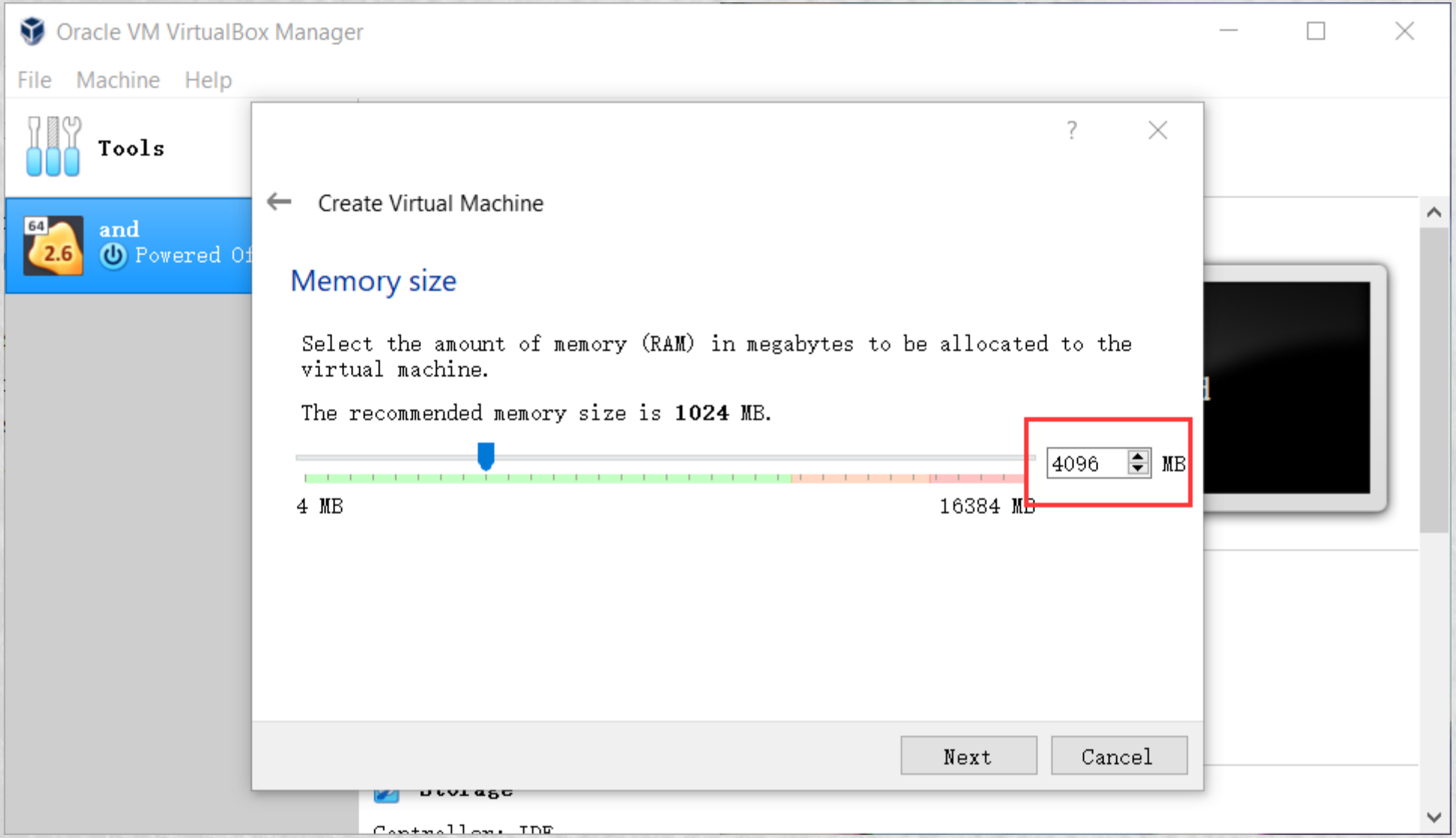
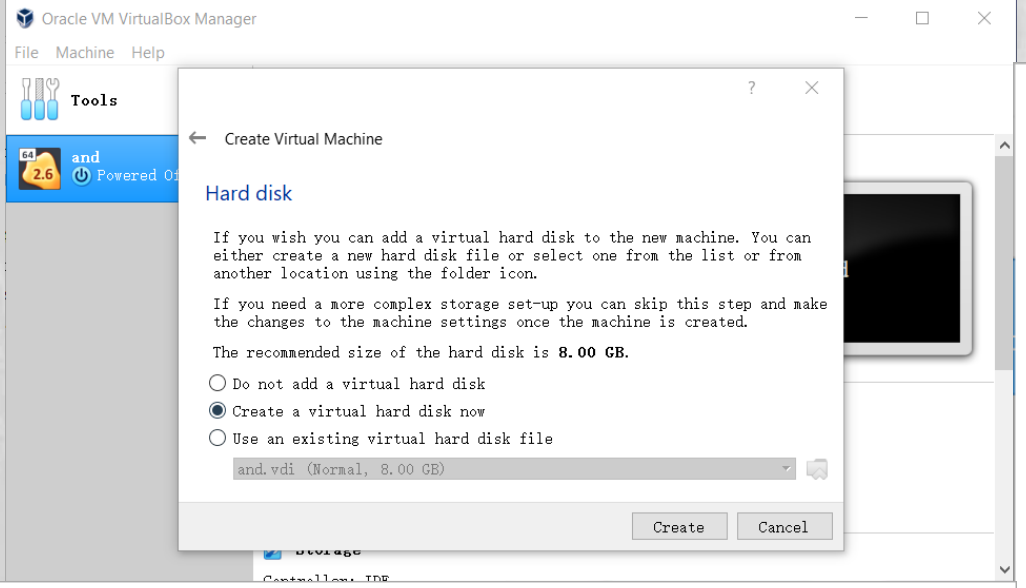
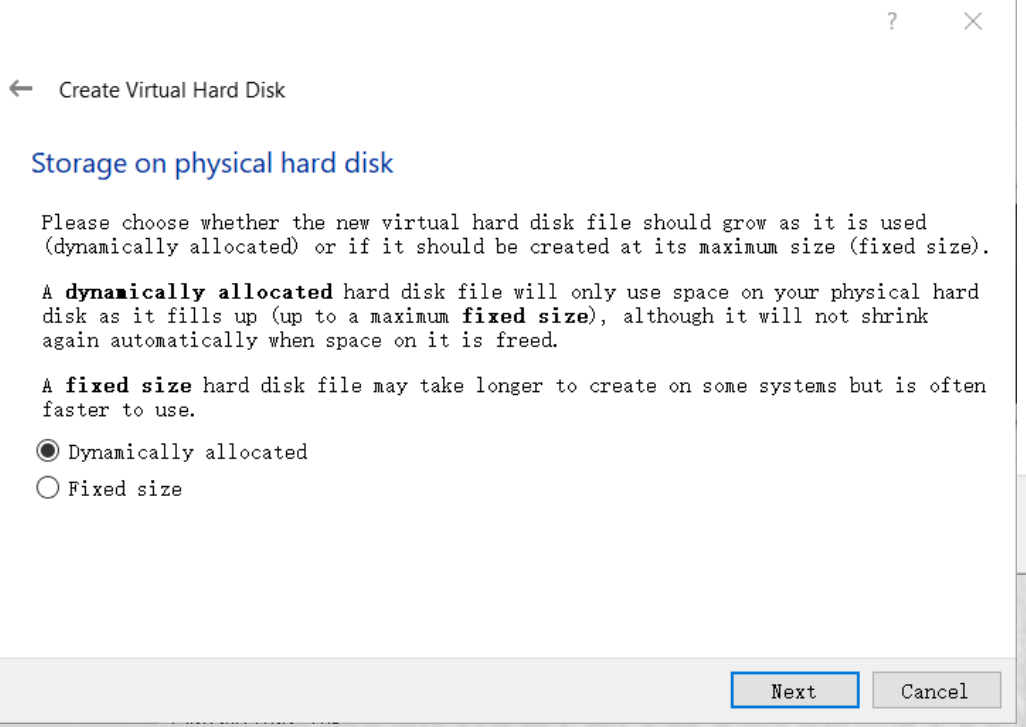


选好一个目录放虚拟机文件，硬盘至少剩余10G可用空间



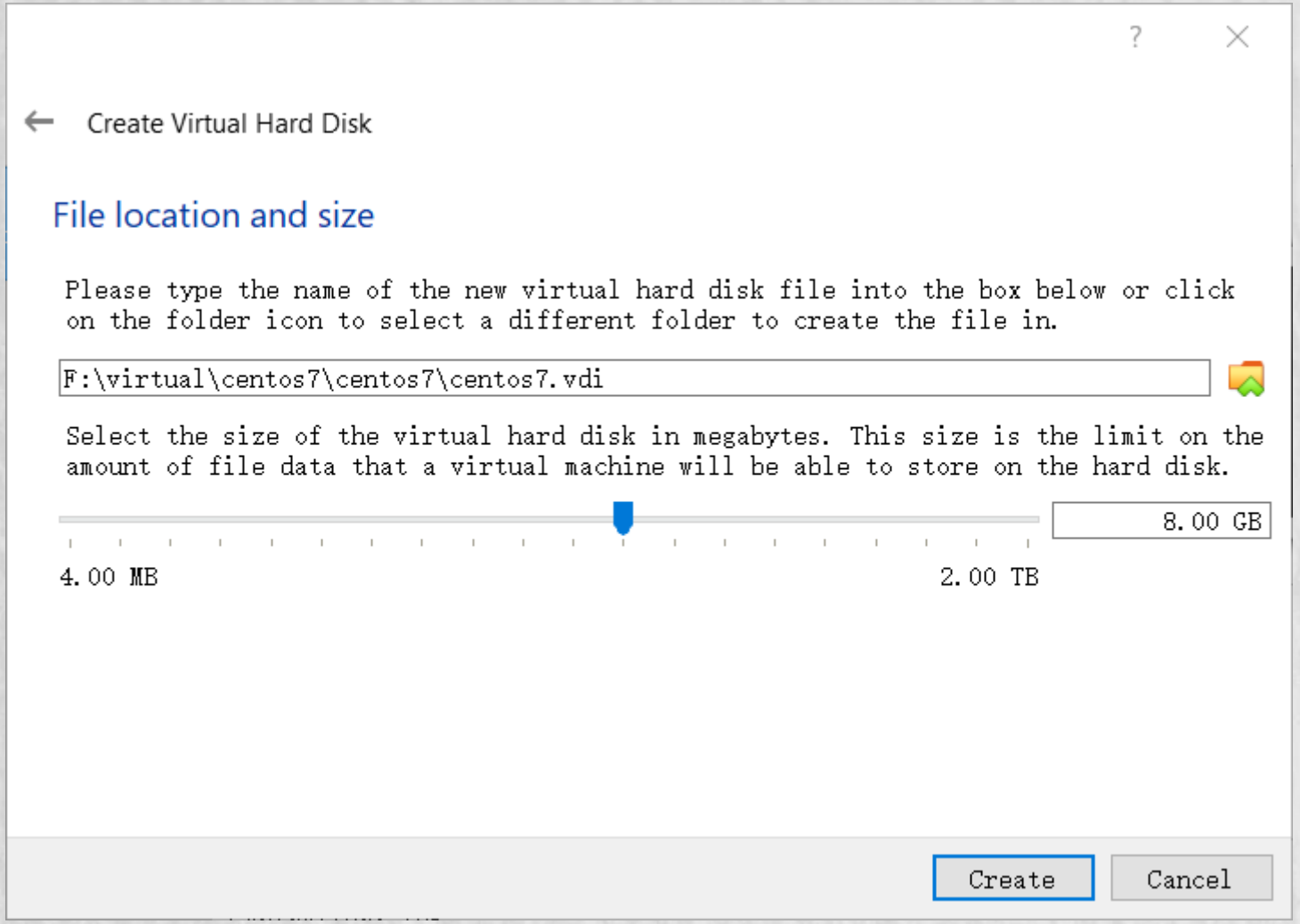
设定虚拟机OS使用内存空间为4G


Oracle VM VirtualBox Manager
File Machine Help
Tools
and
Powered Of
Create Virtual Machine
Hard disk
If you wish you can add a virtual hard disk to the new machine. You can either create a new hard disk file or select one from the list or from another location using the folder icon.
If you need a more complex storage set-up you can skip this step and make the changes to the machine settings once the machine is created.
The recommended size of the hard disk is 8.00 GB.
Do not add a virtual hard disk
Create a virtual hard disk now
Use an existing virtual hard disk file
and.vdi (Normal, 8.00 GB)
Create
Cancel

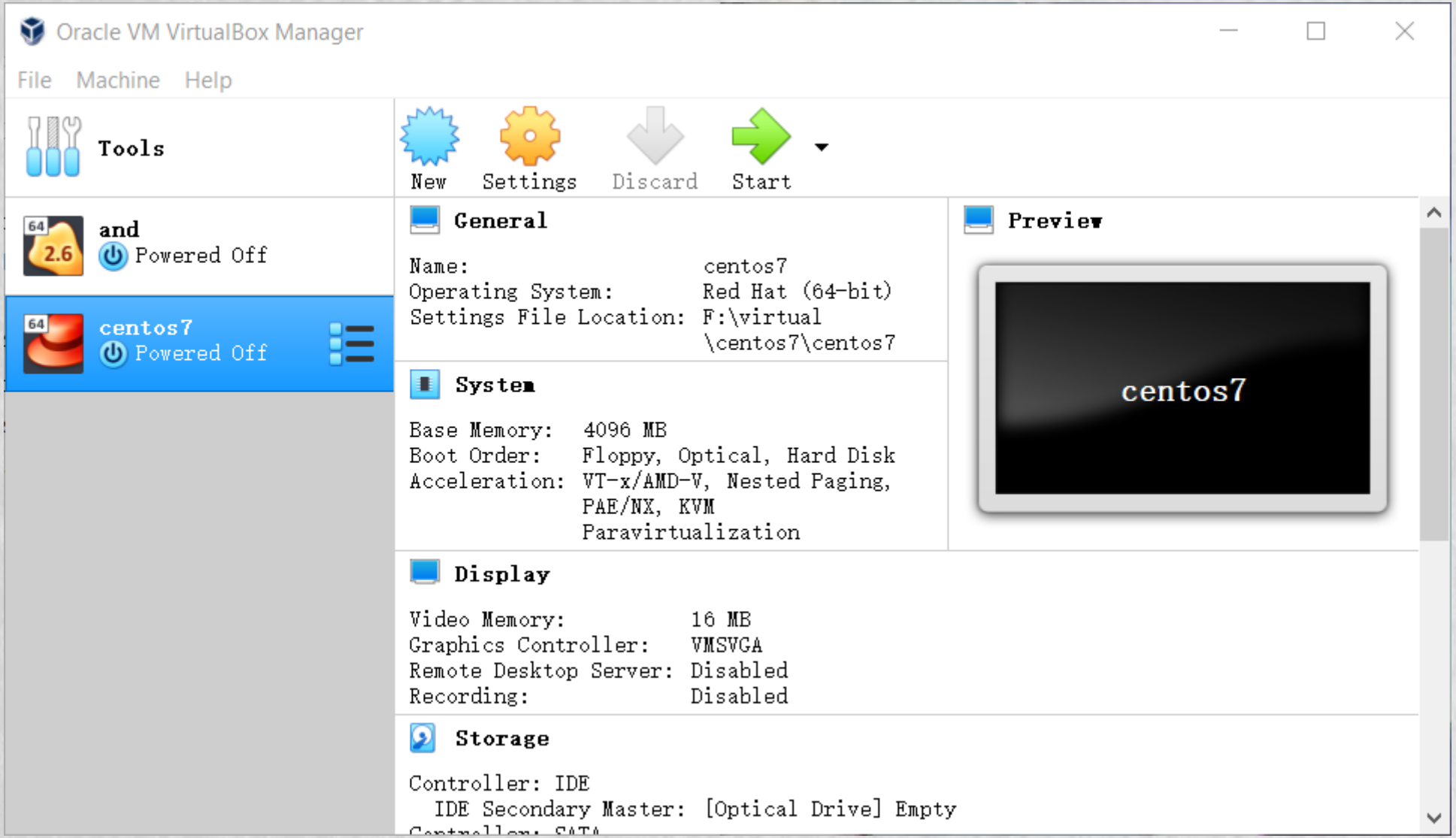

Create Virtual Hard Disk
Storage on physical hard disk
Please choose whether the new virtual hard disk file should grow as it is used (dynamically allocated) or if it should be created at its maximum size (fixed size).
A dynamically allocated hard disk file will only use space on your physical hard disk as it fills up (up to a maximum fixed size), although it will not shrink again automatically when space on it is freed.
A fixed size hard disk file may take longer to create on some systems but is often faster to use.
Dynamically allocated
Fixed size
Next
Cancel


Create Virtual Hard Disk
Hard disk file type
Please choose the type of file that you would like to use for the new virtual hard disk. If you do not need to use it with other virtualization software you can leave this setting unchanged.
VDI (VirtualBox Disk Image)
VHD (Virtual Hard Disk)
VMDK (Virtual Machine Disk)
Expert Mode
Next
Cancel

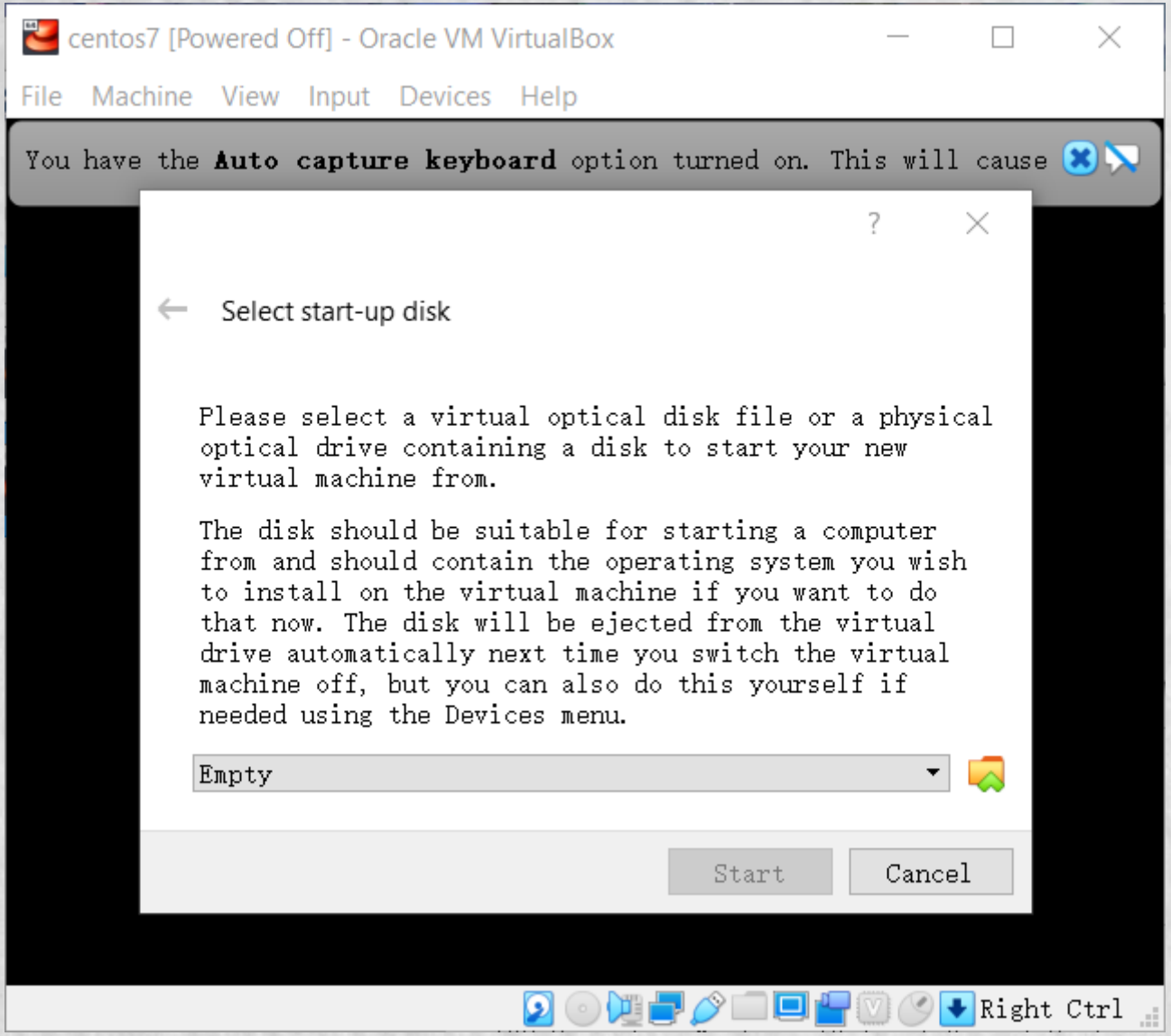
过过过



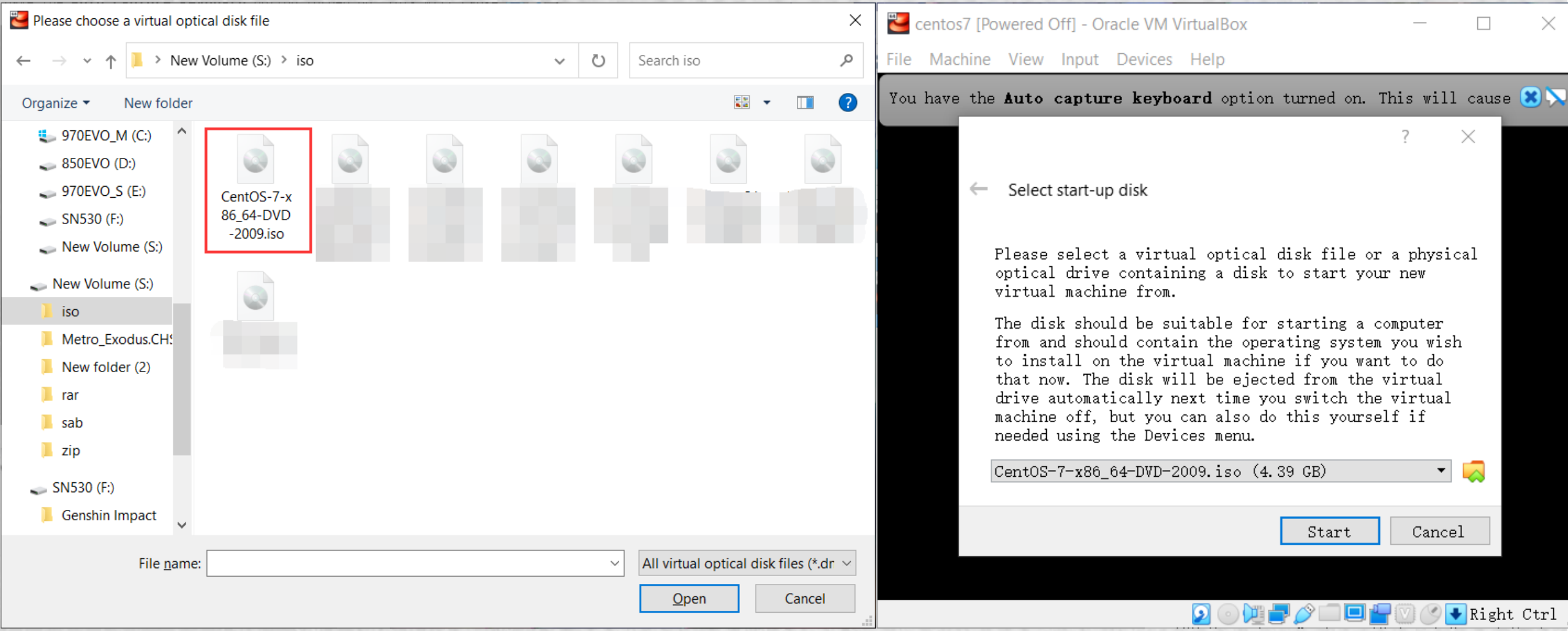
分配个8G啥的都行，放虚拟机磁盘文件的（推荐10G）


Oracle VM VirtualBox Manager
File
Machine
Help
Tools
New
Settings
Discard
Start
and
Powered Off
centos7
Powered Off
General
Name: centos7
Operating System: Red Hat (64-bit)
Settings File Location: F:\virtual \centos7\centos7
System
Base Memory: 4096 MB
Boot Order: Floppy, Optical, Hard Disk
Acceleration: VT-x/AMD-V, Nested Paging, PAE/NX, KVM Paravirtualization
Preview
centos7
Display
Video Memory: 16 MB
Graphics Controller: VMSVGA
Remote Desktop Server: Disabled
Recording: Disabled
Storage
Controller: IDE
IDE Secondary Master: [Optical Drive] Empty

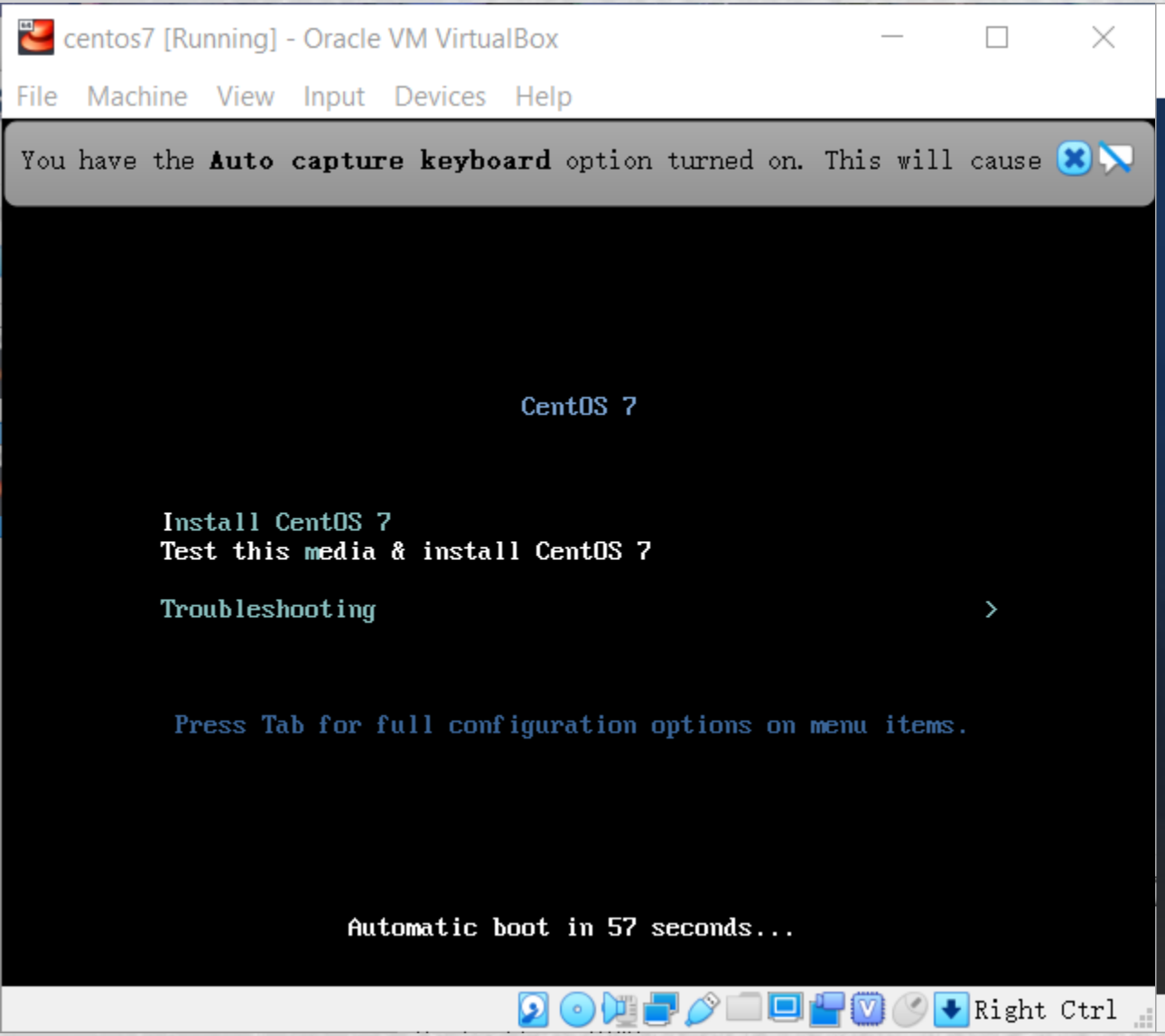
点start启动

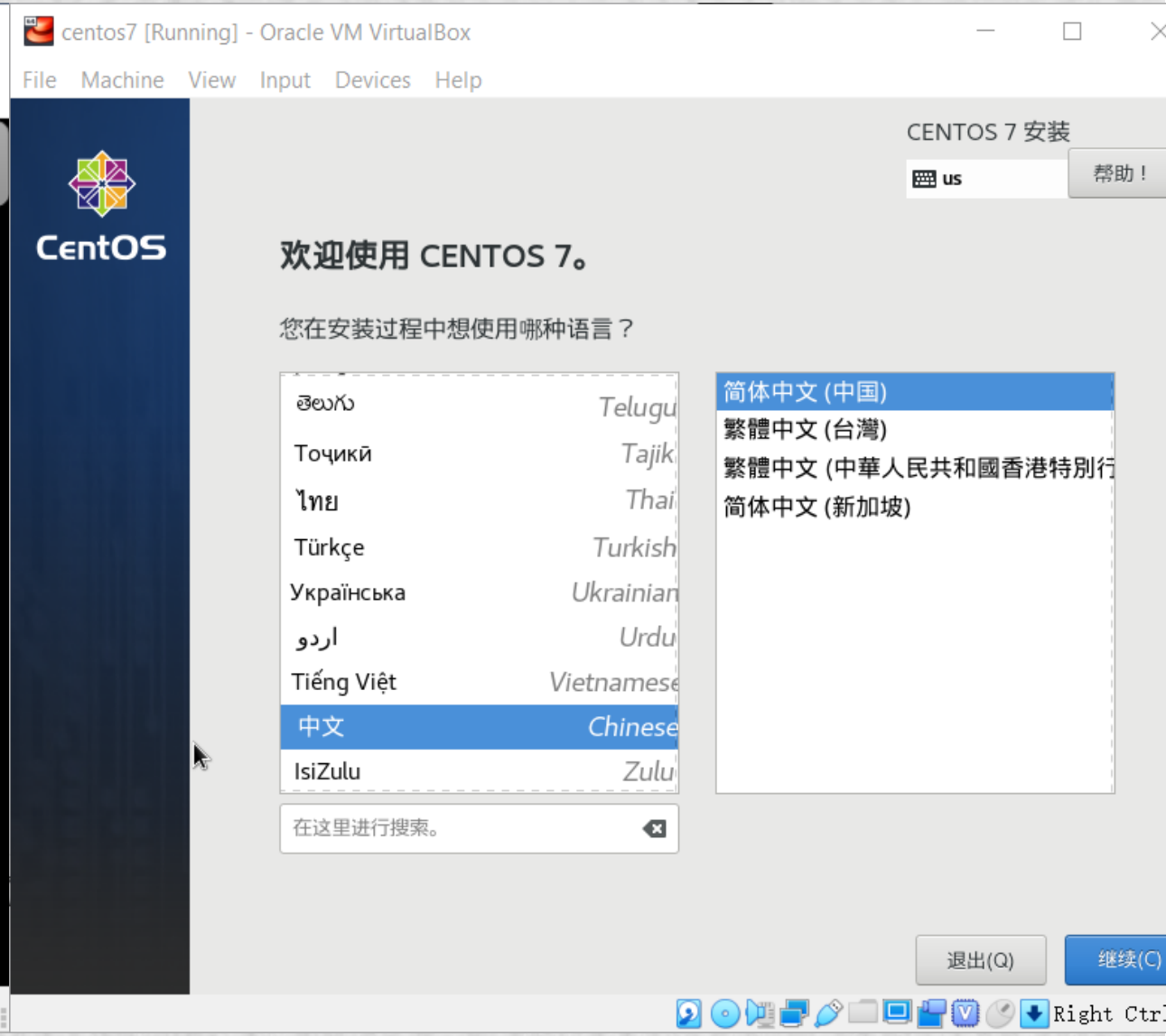


重点来了，选择OS镜像以安装


Please choose a virtual optical disk file
New Volume (S:) › iso
Search iso
Organize
New folder
970EVO_M (C:)
850EVO (D:)
970EVO_S (E:)
SN530 (F:)
New Volume (S:)
New Volume (S:)
iso
Metro_Exodus.CH
New folder (2)
rar
sab
zip
SN530 (F:)
Genshin Impact
CentOS-7-x86_64-DVD-2009.iso
File name:
All virtual optical disk files (*.dr
Open
Cancel
centos7 [Powered Off] - Oracle VM VirtualBox
File Machine View Input Devices Help
You have the Auto capture keyboard option turned on. This will cause
Select start-up disk
Please select a virtual optical disk file or a physical optical drive containing a disk to start your new virtual machine from.
The disk should be suitable for starting a computer from and should contain the operating system you wish to install on the virtual machine if you want to do that now. The disk will be ejected from the virtual drive automatically next time you switch the virtual machine off, but you can also do this yourself if needed using the Devices menu.
CentOS-7-x86_64-DVD-2009.iso (4.39 GB)
Start
Cancel
Right Ctrl

选好，然后下一步

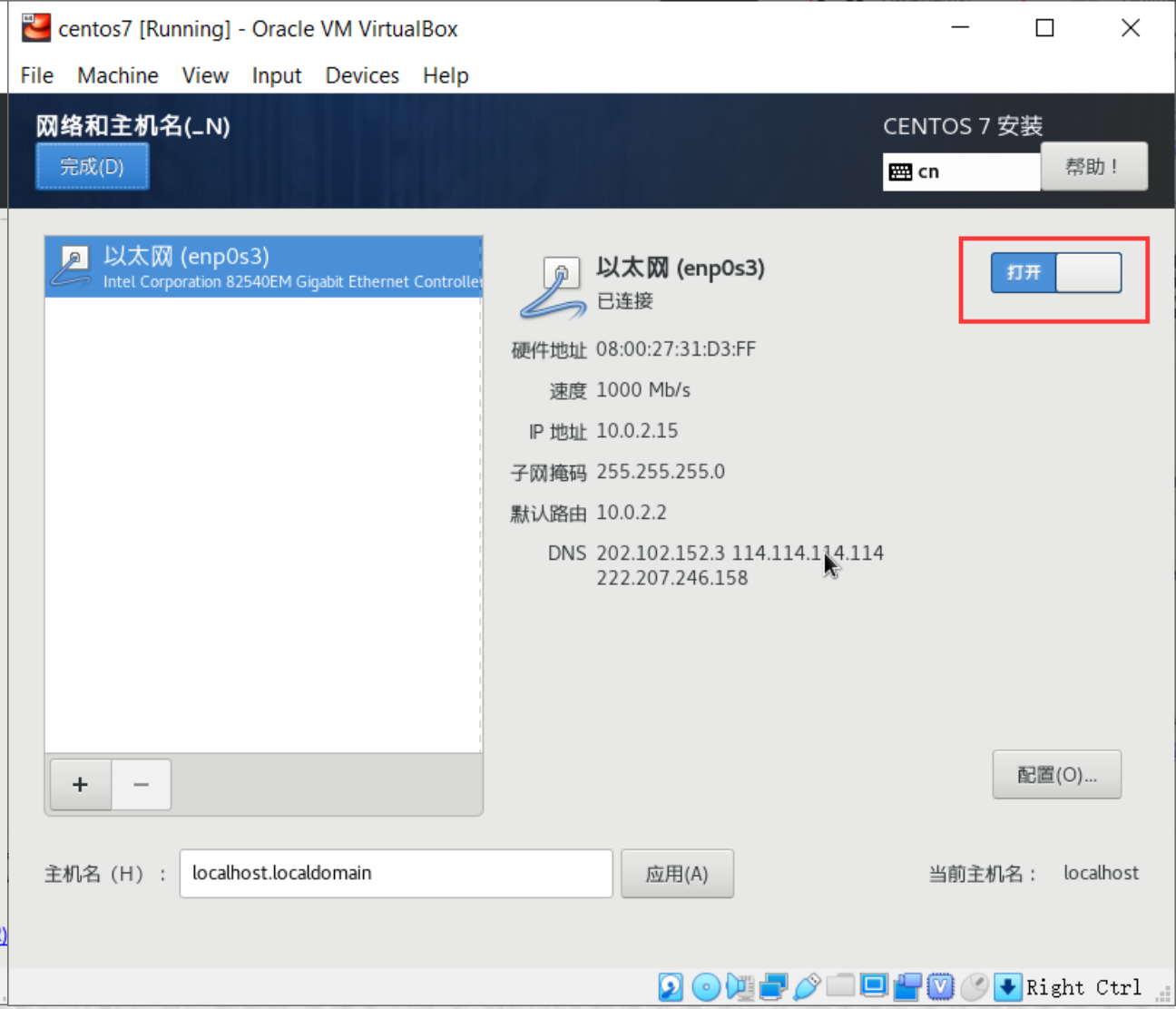




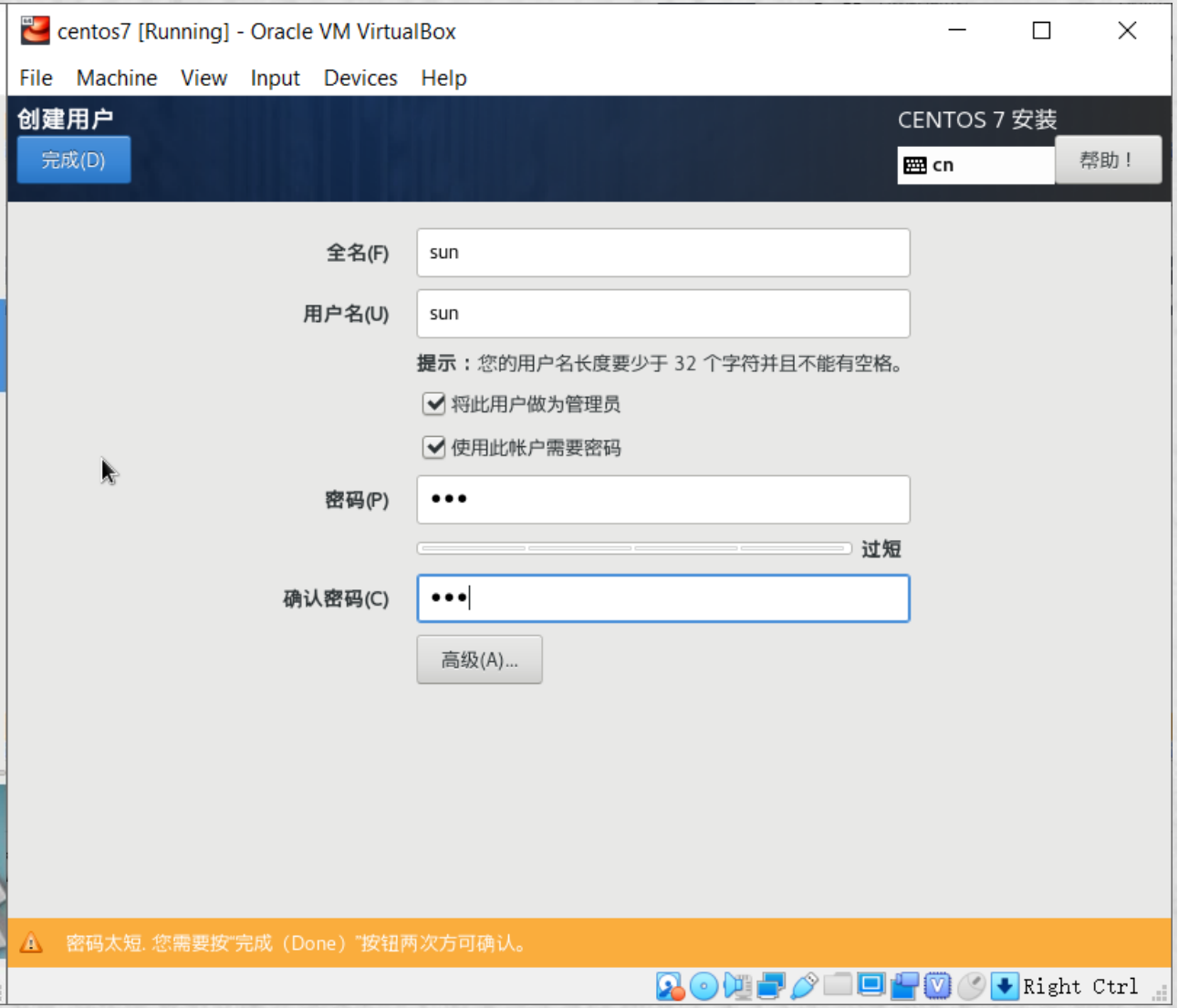
装完后选择语言，对于后面的英语界面看不懂可以选中文


centos7 [Running] - Oracle VM VirtualBox
File Machine View Input Devices Help
CentOS
安装信息摘要
CENTOS 7 安装
cn
帮助！
亚洲/上海 时区
汉语
语言支持(L)
简体中文 (中国)
软件
安装源(I)
本地介质
软件选择(S)
最小安装
系统
安装位置(D)
已选择自动分区
KDUMP
已启用 Kdump
网络和主机名(N)
有线（enp0s3）已连接
SECURITY POLICY
No content found
退出(Q)
开始安装(B)
在点击"开始安装"按钮前我们并不会操作您的磁盘。
Right Ctrl

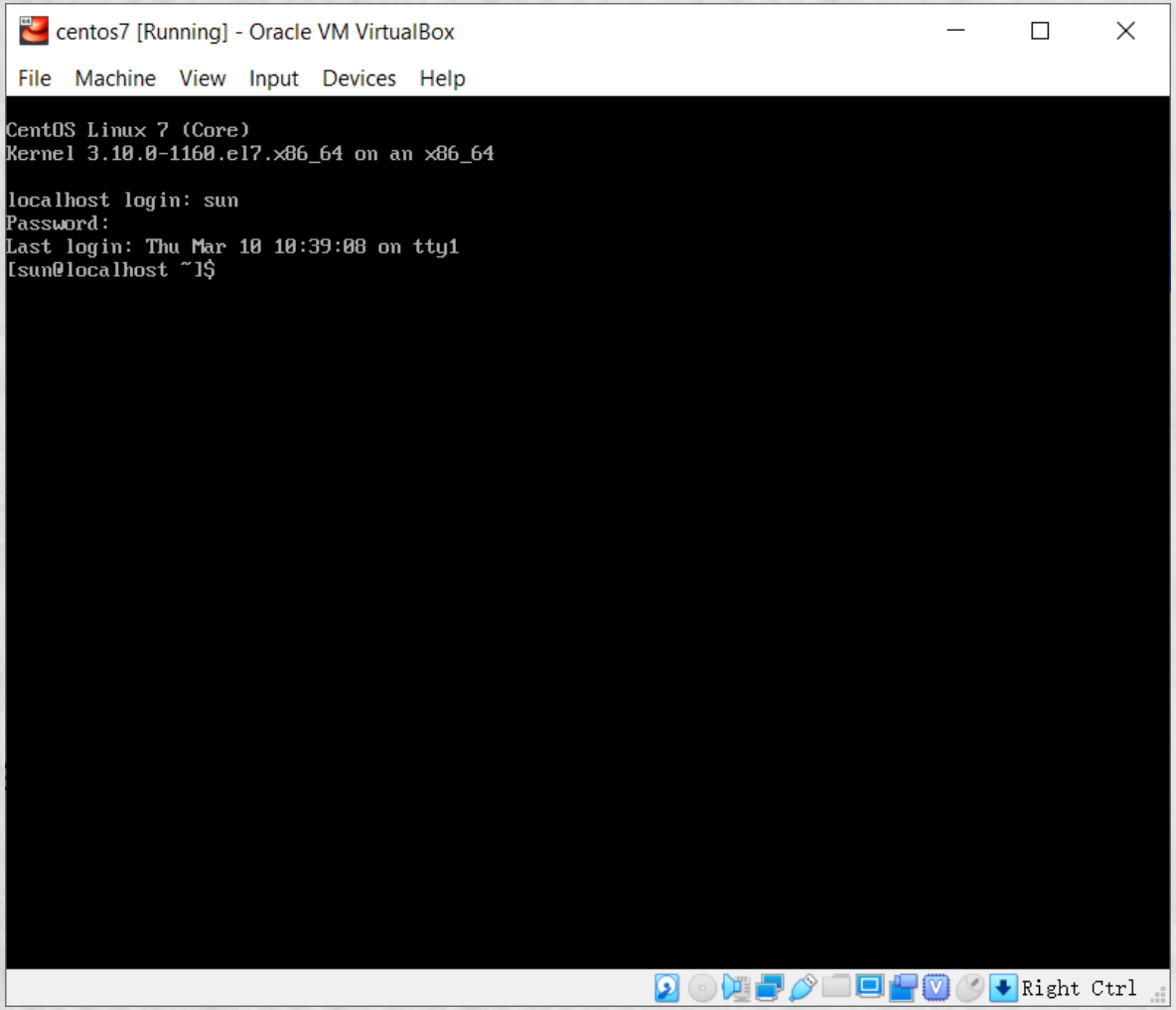
确定好这两个东西



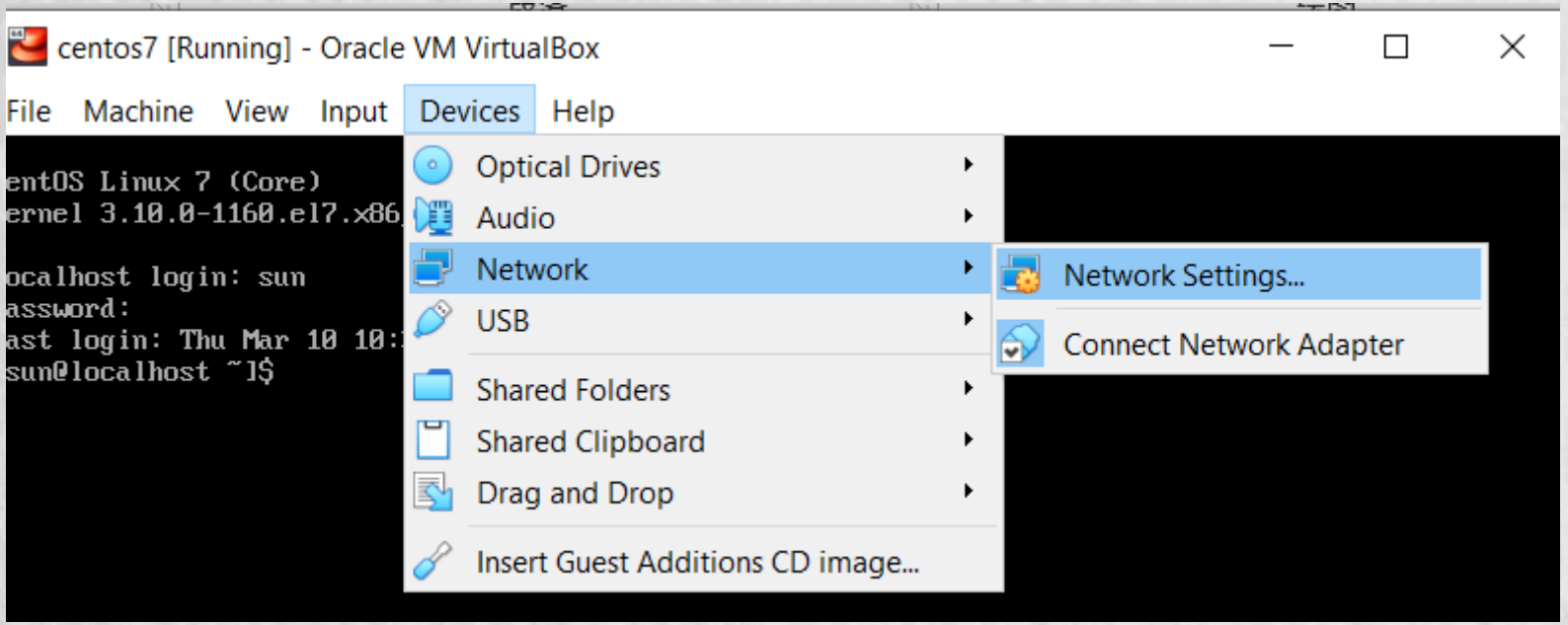
照着选好即可，然后左上角点完成



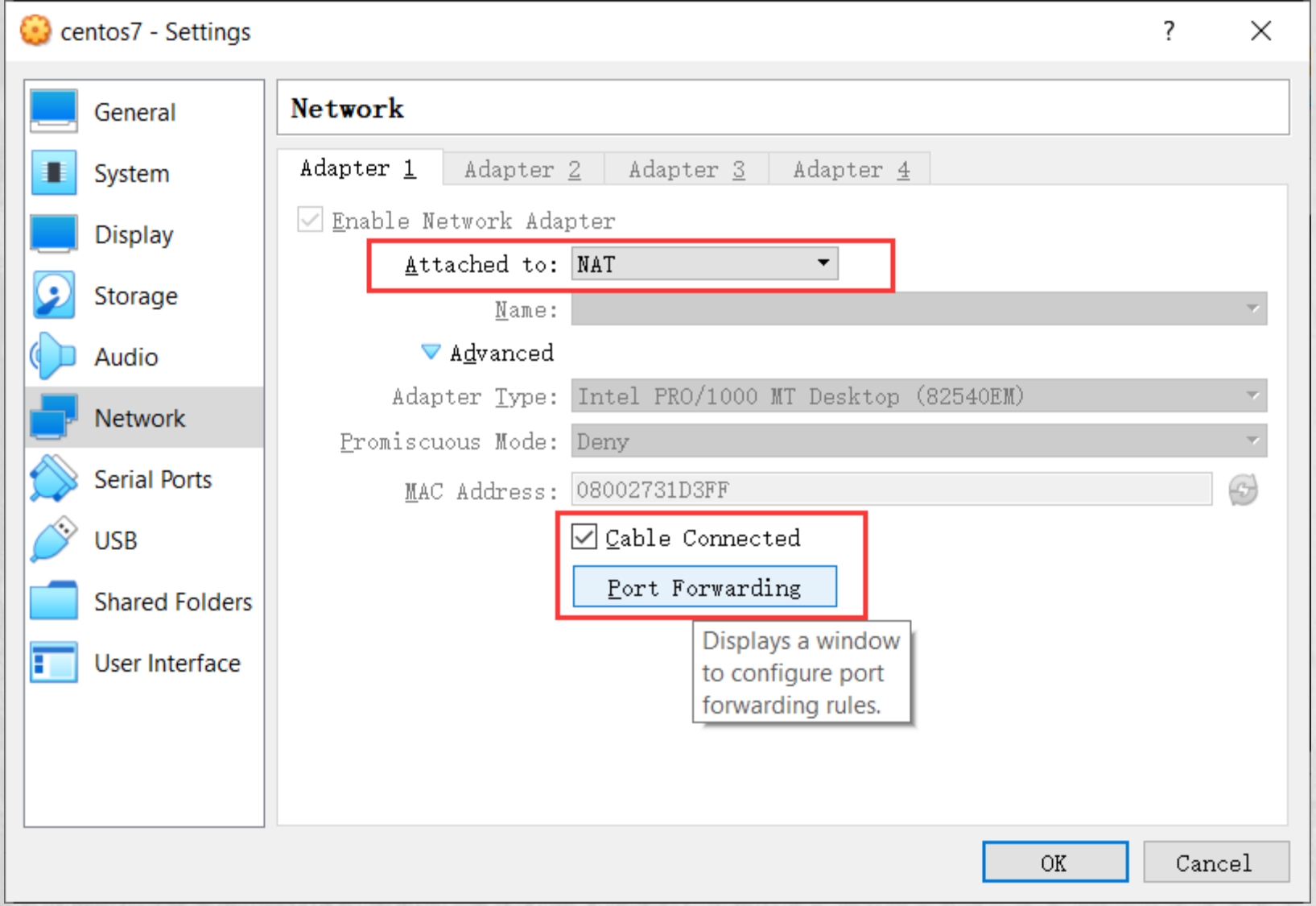
趁它不注意把密码和用户设了



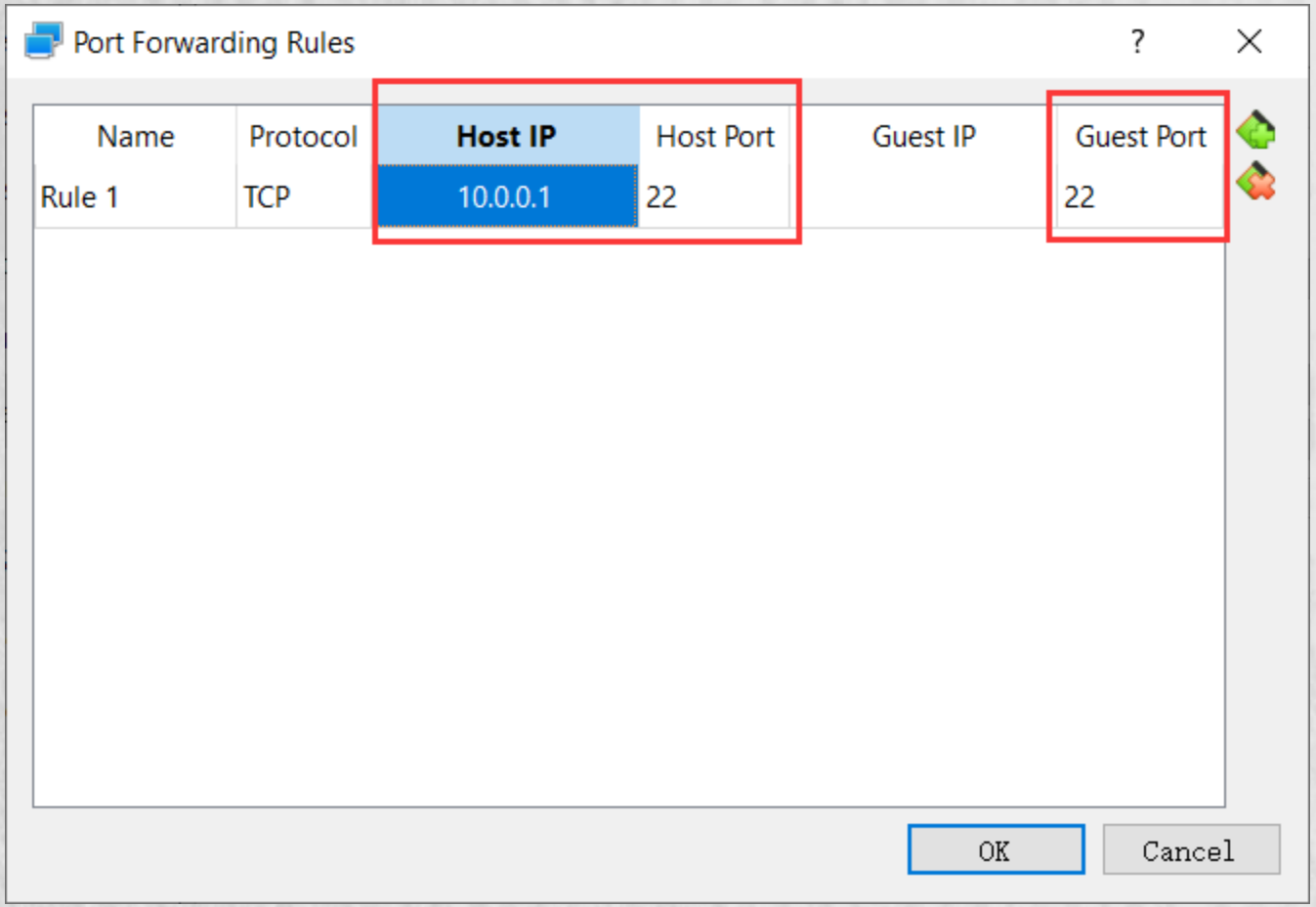
重启后大概这个样，不用登录也行，你本地直接操作也行
但下面要教如何远程用SSH连接LinuxOS（工作环境基本都在用远程）


centos7 [Running] - Oracle VM VirtualBox
File
Machine
View
Input
Devices
Help
entOS Linux 7 (Core)
ernel 3.10.0-1160.el7.x86
ocalhost login: sun
assword:
ast login: Thu Mar 10 10:
sun@localhost ~]$
Optical Drives
Audio
Network
USB
Shared Folders
Shared Clipboard
Drag and Drop
Insert Guest Additions CD image...
Network Settings...
Connect Network Adapter

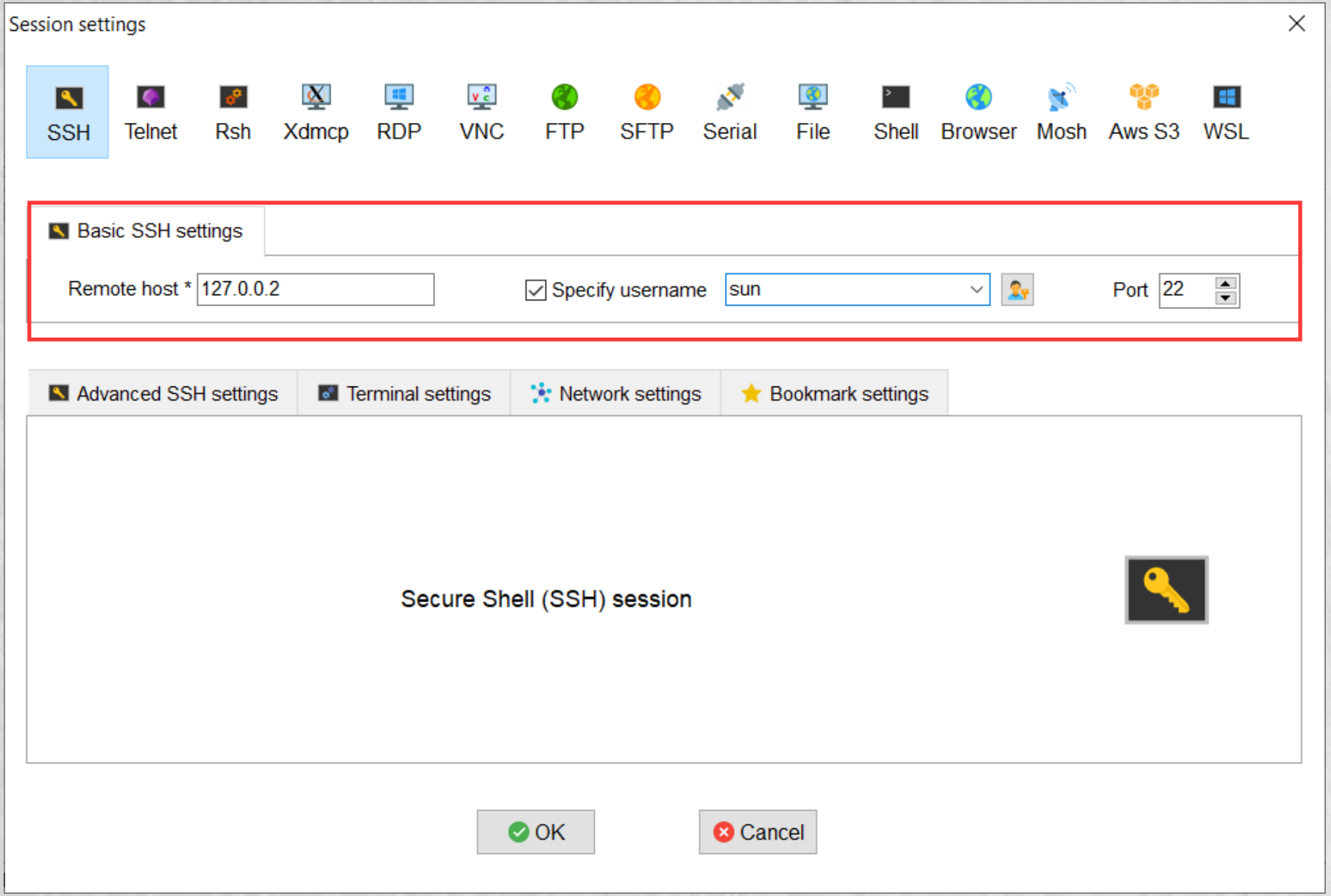
点进去



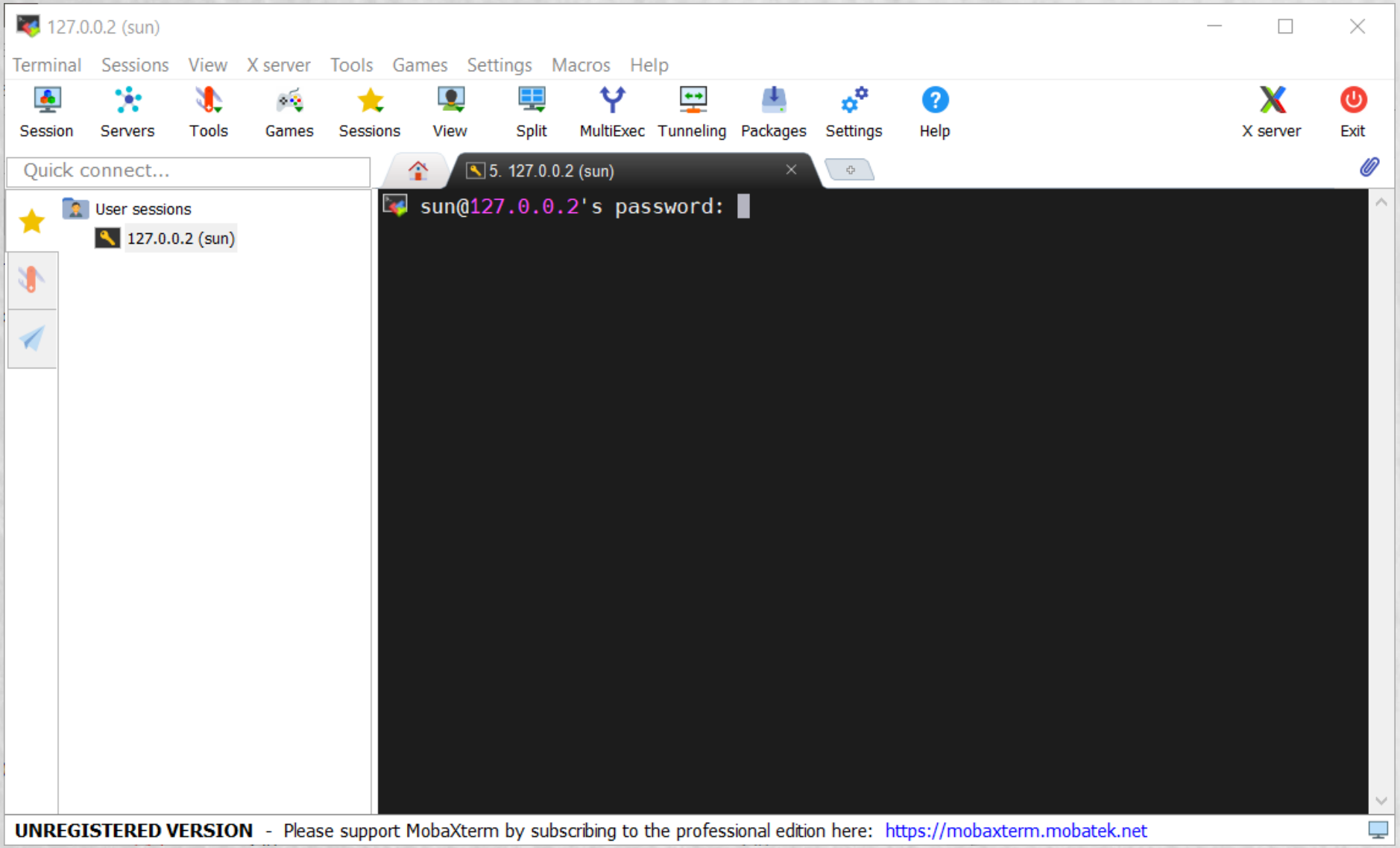
网络选择NAT模式（用的话校园网可能会被封，详情见最后一页）
完成后点最下面红框里的按钮



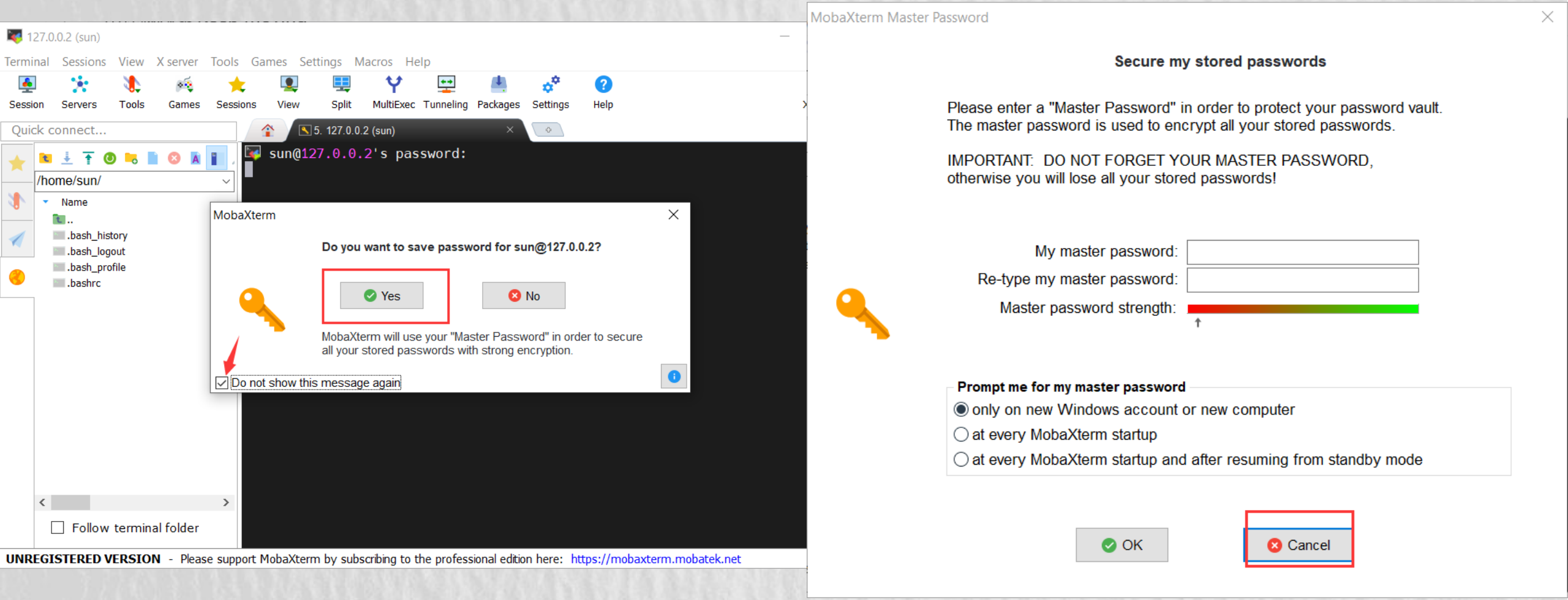
这页是端口转发，用来把虚拟机OS的端口从虚拟机里转发出去
前面照着填即可，然后后面的22端口一定不要填错
这是Linux的远程端口


Session settings
SSH
Telnet
Rsh
Xdmcp
RDP
VNC
FTP
SFTP
Serial
File
Shell
Browser
Mosh
Aws S3
WSL
Basic SSH settings
Remote host * 127.0.0.2
Specify username
sun
Port 22
Advanced SSH settings
Terminal settings
Network settings
Bookmark settings
Secure Shell (SSH) session
OK
Cancel

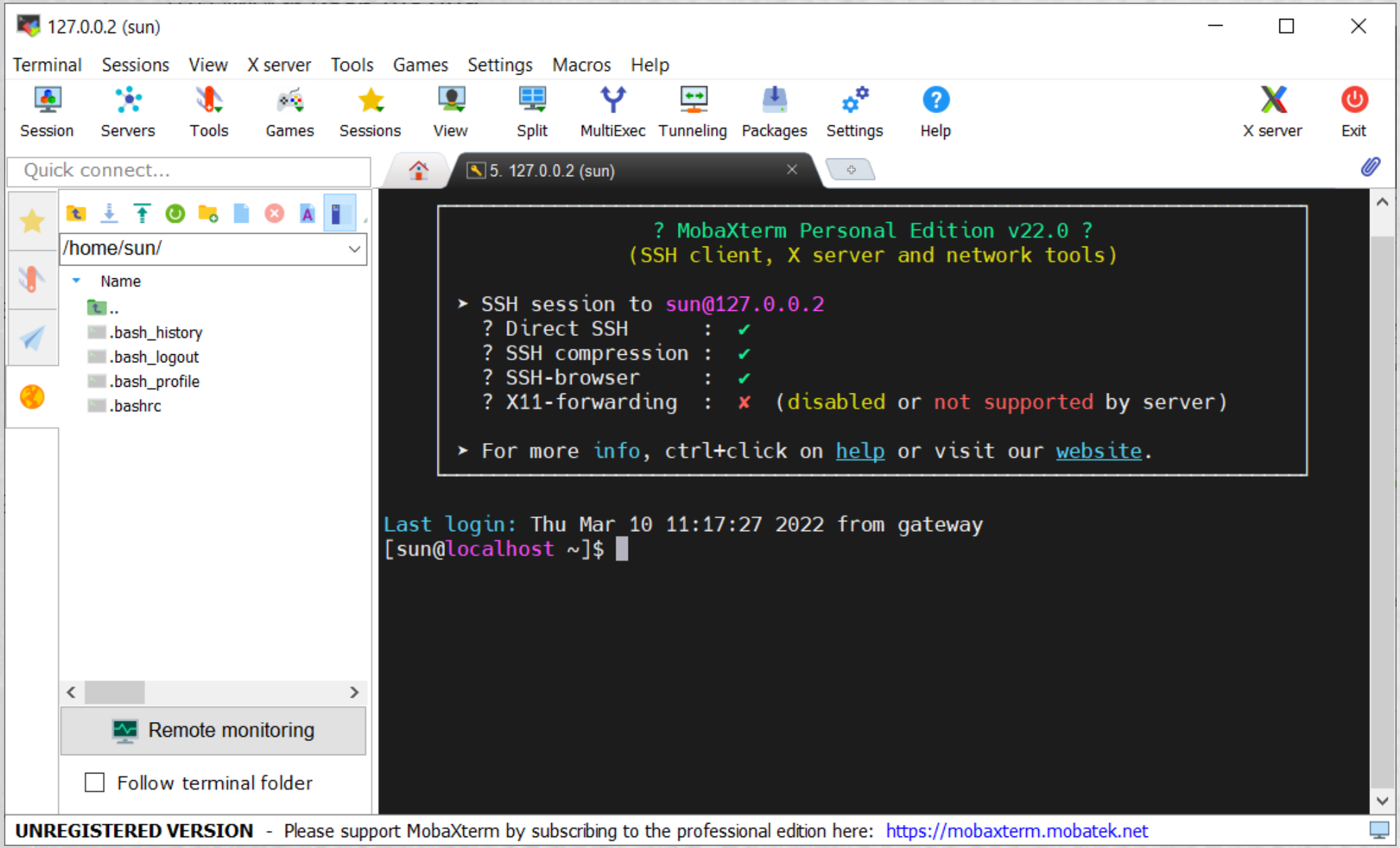
红框内填好就行了



输入密码，注意，因为Linux为了安全，密码输入不会有任何输入显示
凭感觉打上密码然后回车



点yes，顺便把下面勾选了
跳右边的直接cancel，笑死，学习环境需要搞啥安全性措施吗（


127.0.0.2 (sun)
Terminal Sessions View X server Tools Games Settings Macros Help
Session Servers Tools Games Sessions View Split MultiExec Tunneling Packages Settings Help X server Exit
Quick connect...
5. 127.0.0.2 (sun)
/home/sun/
Name
..
.bash_history
.bash_logout
.bash_profile
.bashrc
Remote monitoring
Follow terminal folder
? MobaXterm Personal Edition v22.0 ?
(SSH client, X server and network tools)
➤ SSH session to sun@127.0.0.2
? Direct SSH : ✔
? SSH compression : ✔
? SSH-browser : ✔
? X11-forwarding : ✘ (disabled or not supported by server)
➤ For more info, ctrl+click on help or visit our website.
Last login: Thu Mar 10 11:17:27 2022 from gateway
[sun@localhost ~]$
UNREGISTERED VERSION - Please support MobaXterm by subscribing to the professional edition here: https://mobaxterm.mobatek.net

结束

目前我校校园网用的是锐捷的方案，恶心死我了

限制单台设备不说，还查代理行为

NAT下的设备都会被查水表

我去翻了翻锐捷校园网设备的官方文档

大概就是镜像流量，然后抓包分析比对

它分析的是HTTP协议的请求头，然后对比设备类型查有没有代理

因为HTTP协议不加密嘛，可算让锐捷风光了，美名说什么智能反代理

此外教室的无线网更惨，两台无线AP带近数五十台设备，不卡才怪