CSC4005 Virtual Machine

CSC4005 Virtual Machine is designed to help you write your code and compile your code on your PC. You can also debug your program on it. After you finish your parallel programs, you can transfer them to High Performance Computing clusters for large scale experiments.

To setup a virtual machine, you need to download **Virtual Machine OVA File** and **Virtual Machine Softwares**.

CSC4005 Virtual Machine OVA File

centOS 7 with GUI and parallel programming environment

https://cowtransfer.com/s/f9a13414e68e47

Both Windows and Mac (Intel chip) users should download it.

Virtual Machine Softwares for MacOS

VMware Fusion Player for MacOS (free):

https://cowtransfer.com/s/4893a1d2ba474c

VirtualBox for MacOS (free)

https://cowtransfer.com/s/3bedf8bd4c4046

For MacOS users only. Please download both softwares to determine which one suit you better.

Virtual Machine Softwares for Windows

VirtualBox for Windows (free)

https://cowtransfer.com/s/49eafa9e9b7045

VMWare Workstation 15 for Windows (30-day evulation version):

https://cowtransfer.com/s/729822383bf443

For Windows users only. Please download both softwares to determine which one suit you better.

Importing VM to VMware Fusion / Workstation

1. Open VMware.
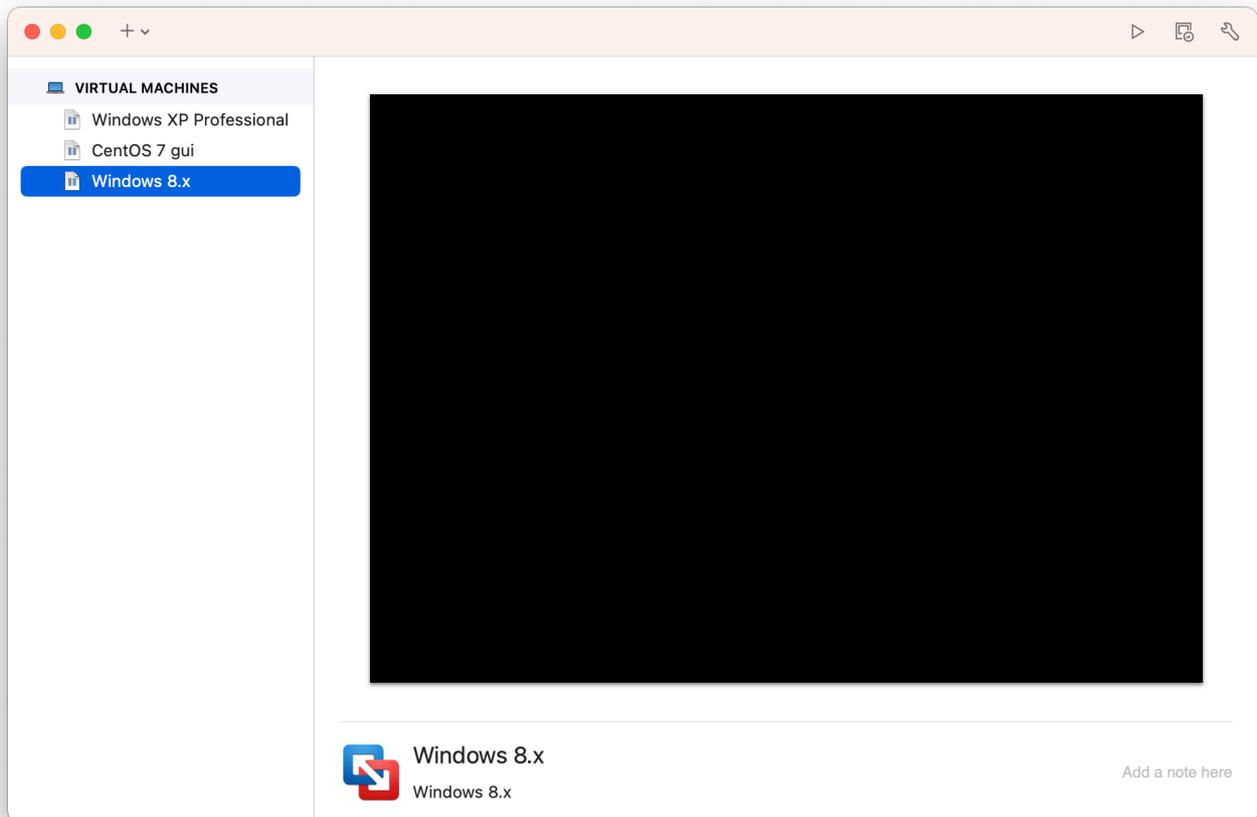
2. Press "+" button and choose "Import"

3. Choose csc4005-v6.ova file

Choose an Existing Virtual Machine

Choose Virtual Machine ——— Configuration ——— Importing ——— Finish

Recent items:

csc4005-v6
Size: Unknown
Type: Other
Show in Finder

Choose File...
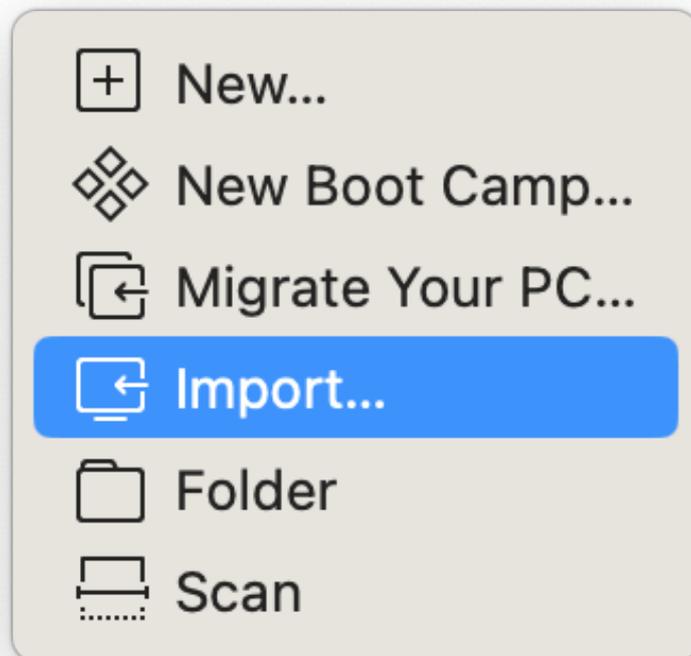
Cancel   Go Back   Continue
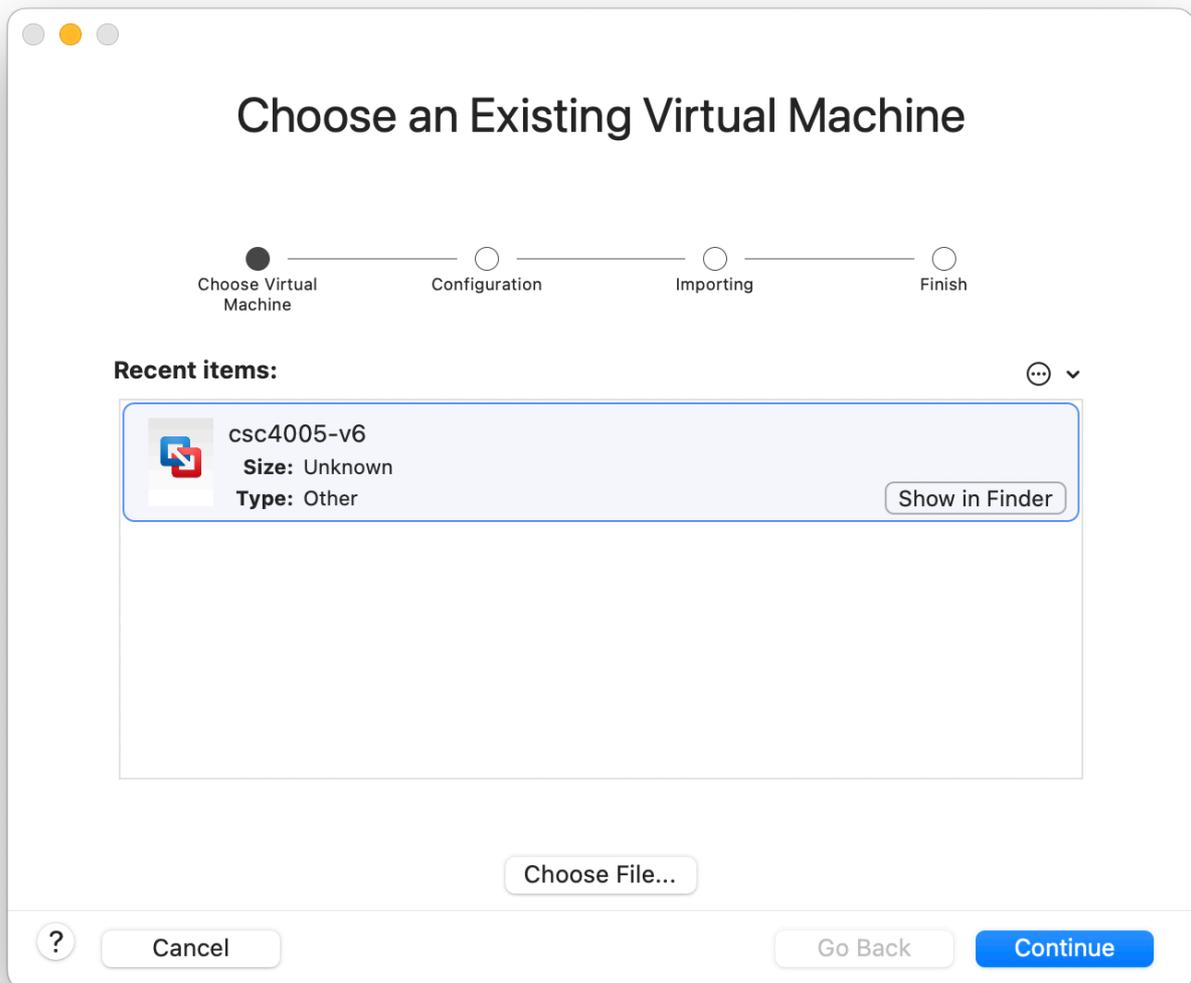
4. Press "Continue".
5. Choose a place to store your VM (that disk should have at least 15GB space)
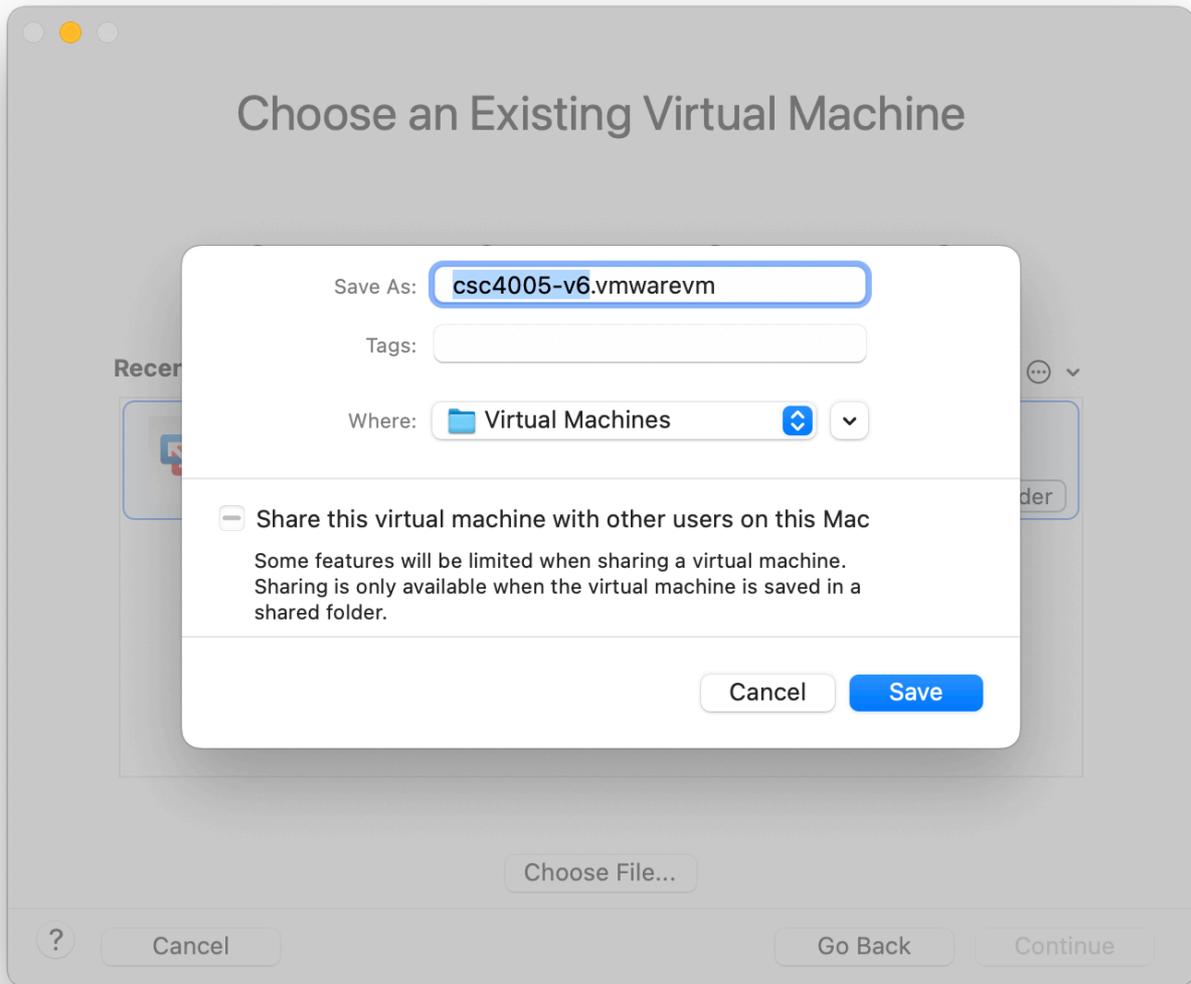
6. A warning may appear, just press "Retry"

The import failed because /Volumes/ BOOTCAMP/Users/bokaixu/Documents/ csc4005-v6.ova did not pass OVF specification conformance or virtual hardware compliance checks.

Click Retry to relax OVF specification and virtual hardware compliance checks and try the import again, or click Cancel to cancel the import. If you retry the import, you might not be able to use the virtual machine in VMware Fusion.

☐ Do not show this message again

Cancel   Retry

7. Finished.

Finish

The configuration of the virtual machine is now complete.

Choose Virtual Machine — Configuration — Importing — Finish

Virtual Machine Summary

Guest Operating System	Other
Memory	4 GB
Networking	Share with my Mac (NAT)
Networking	Share with my Mac (NAT)
Device Summary	4 CPU cores, USB Controller

To change the default virtual machine settings, click Customize Settings. To run the virtual machine now, click Finish.

Customize Settings

Cancel   Go Back   Finish

8. Launch that VM

9. Wait until the following UI appears, (which may take few minutes)
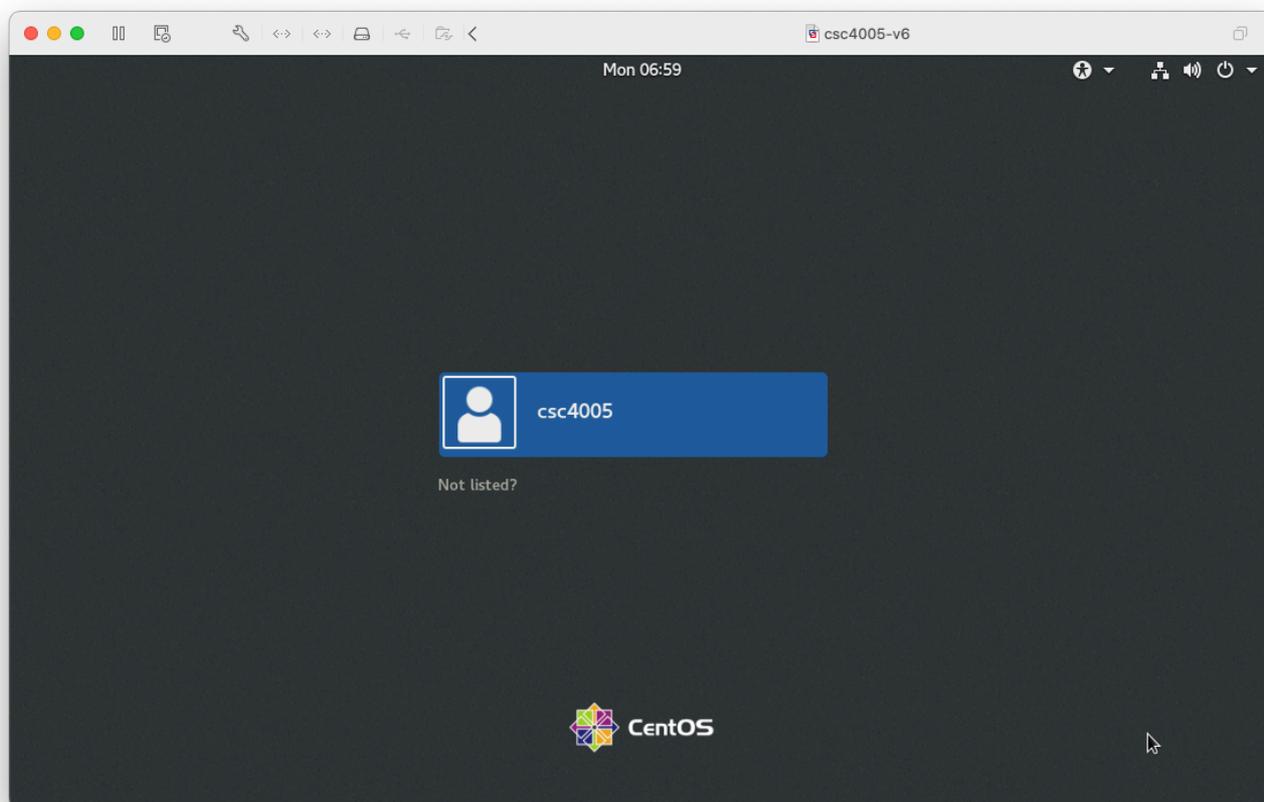
10. Login in.

username: csc4005, password: csc4005

11. You will see a desktop
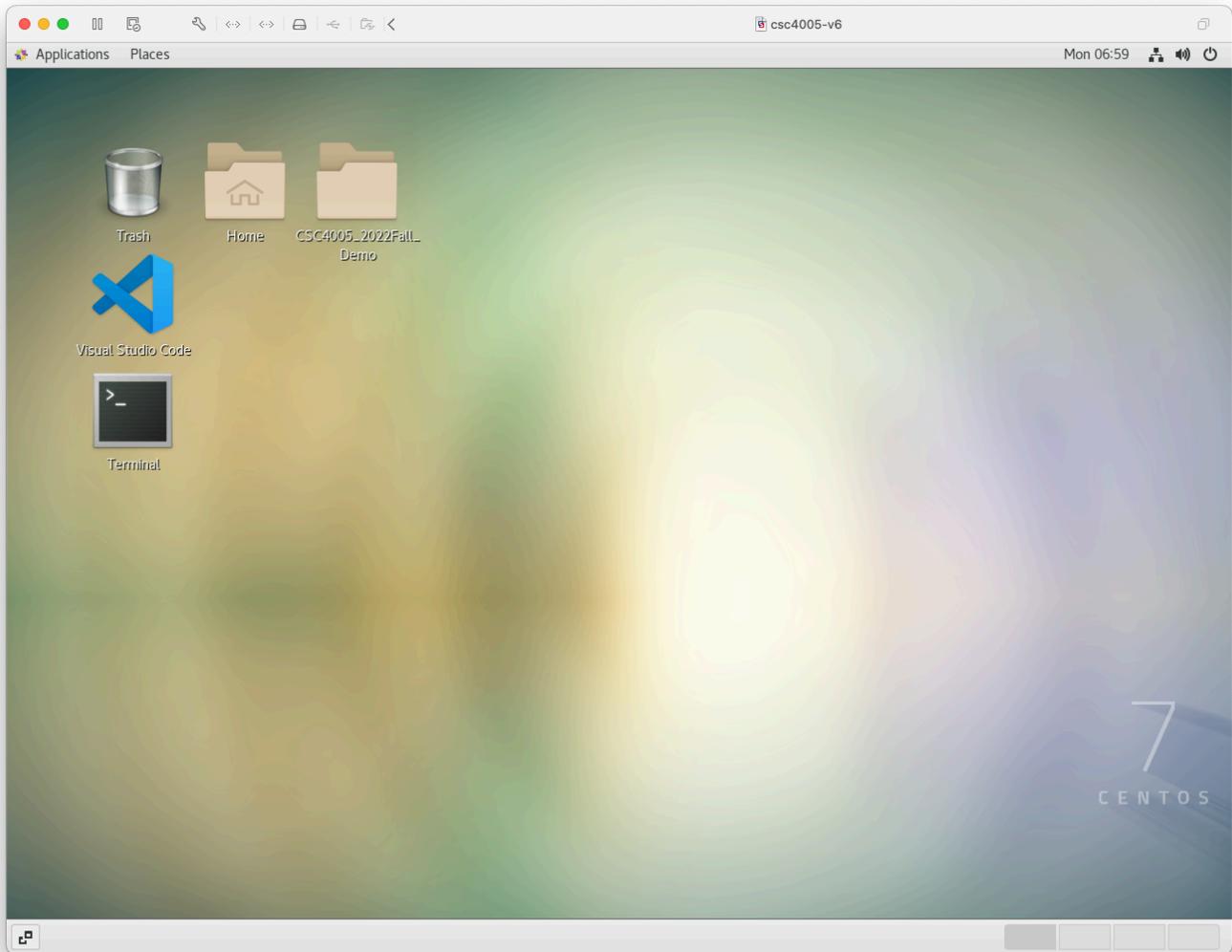
12. Done!
13. When you finish your job, you can just pause that VM, rather than shutdown, because lauching needs much more time than resuming.
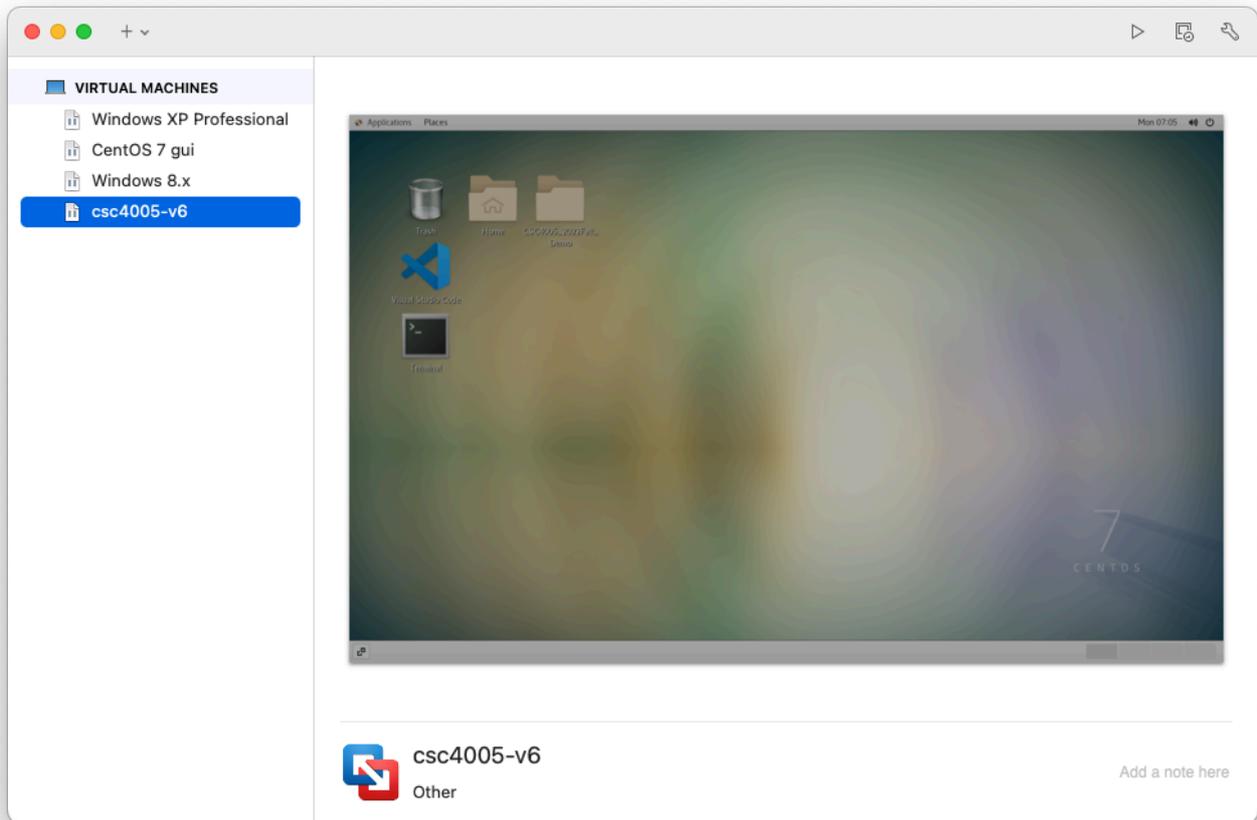
Importing VM to VirtualBox

1. Open VirtualBox
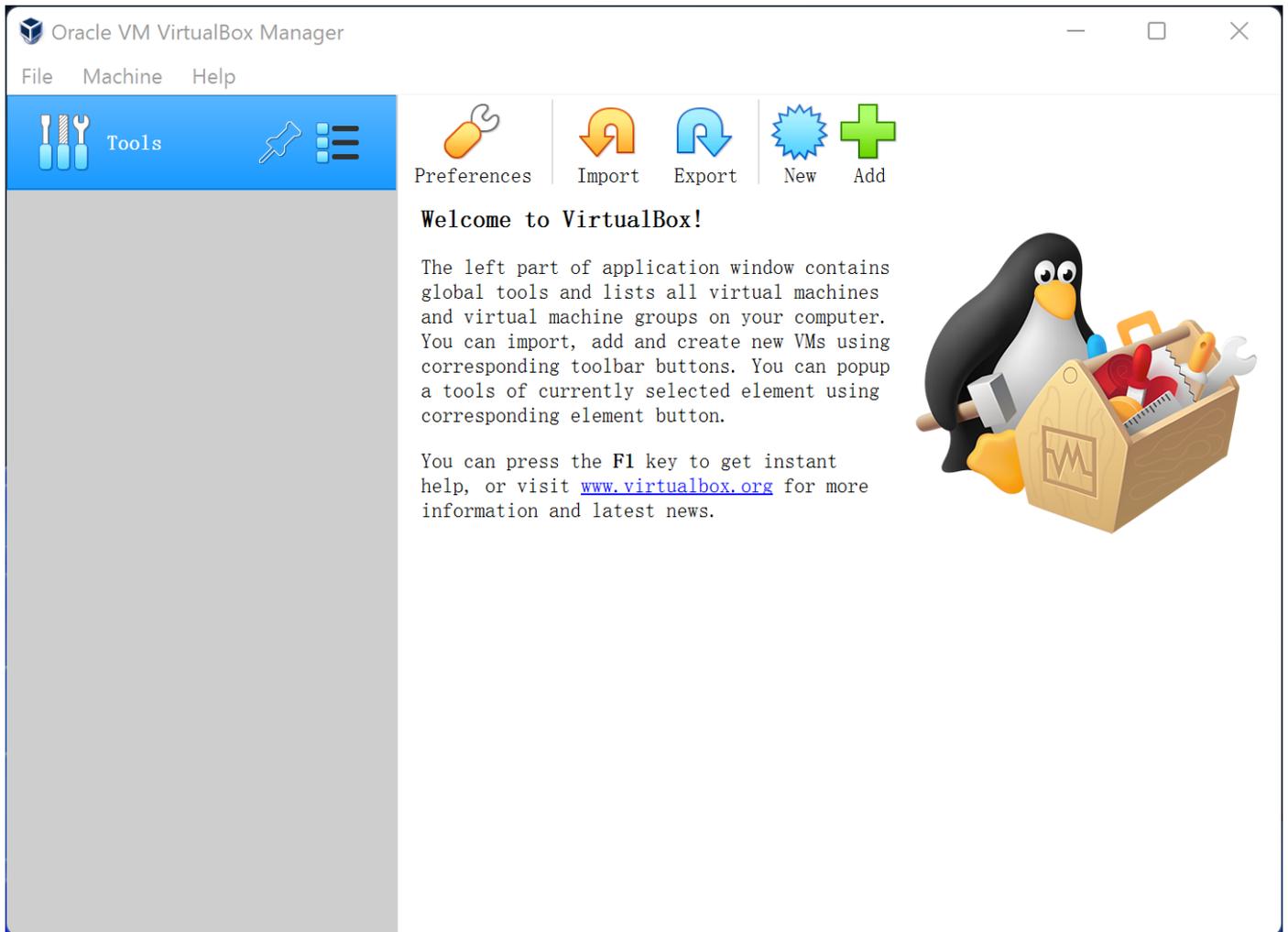
2. Press "Import" and choose csc4005-v6.ova
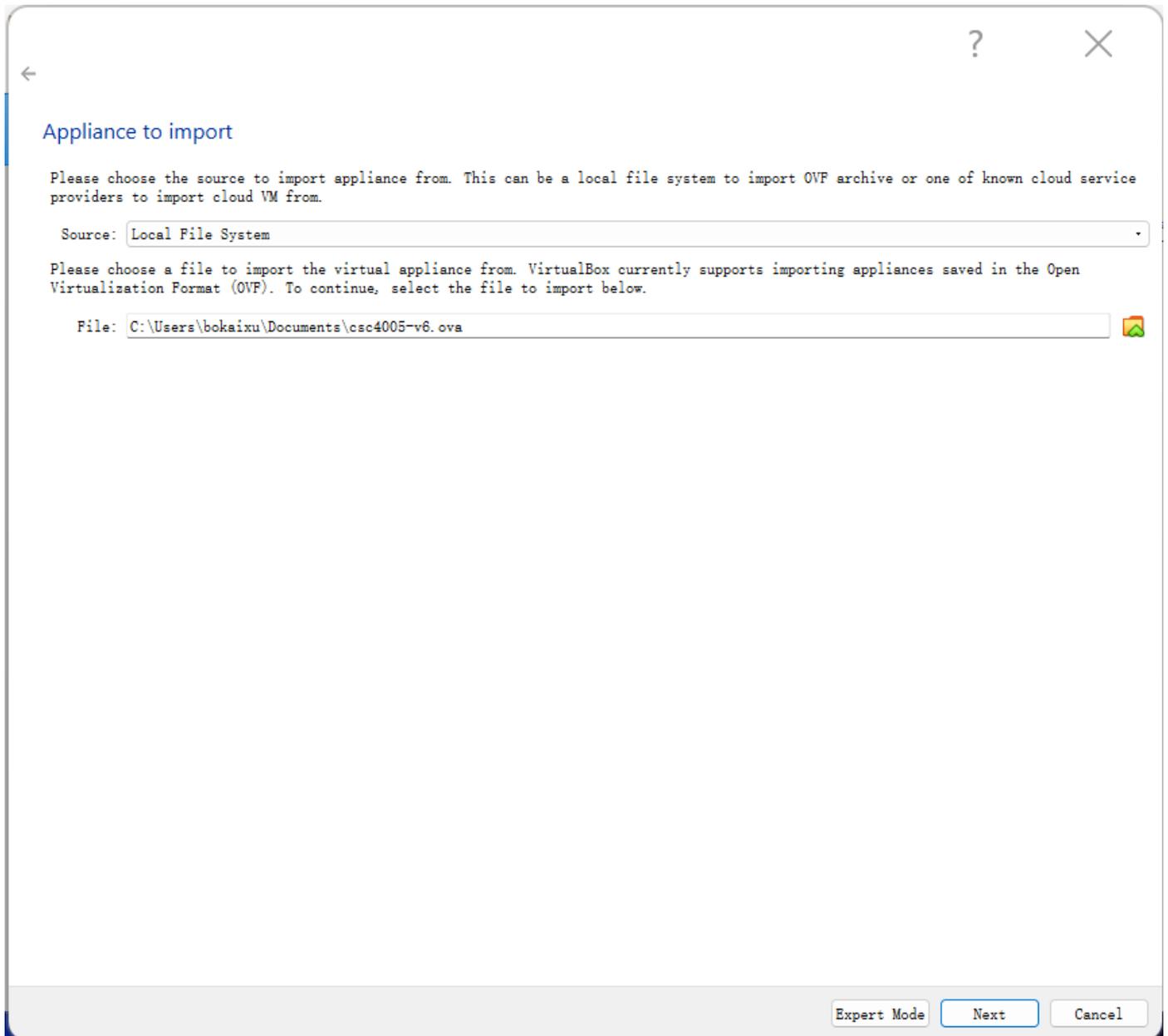
3. Confirm configuration (no need to modify)
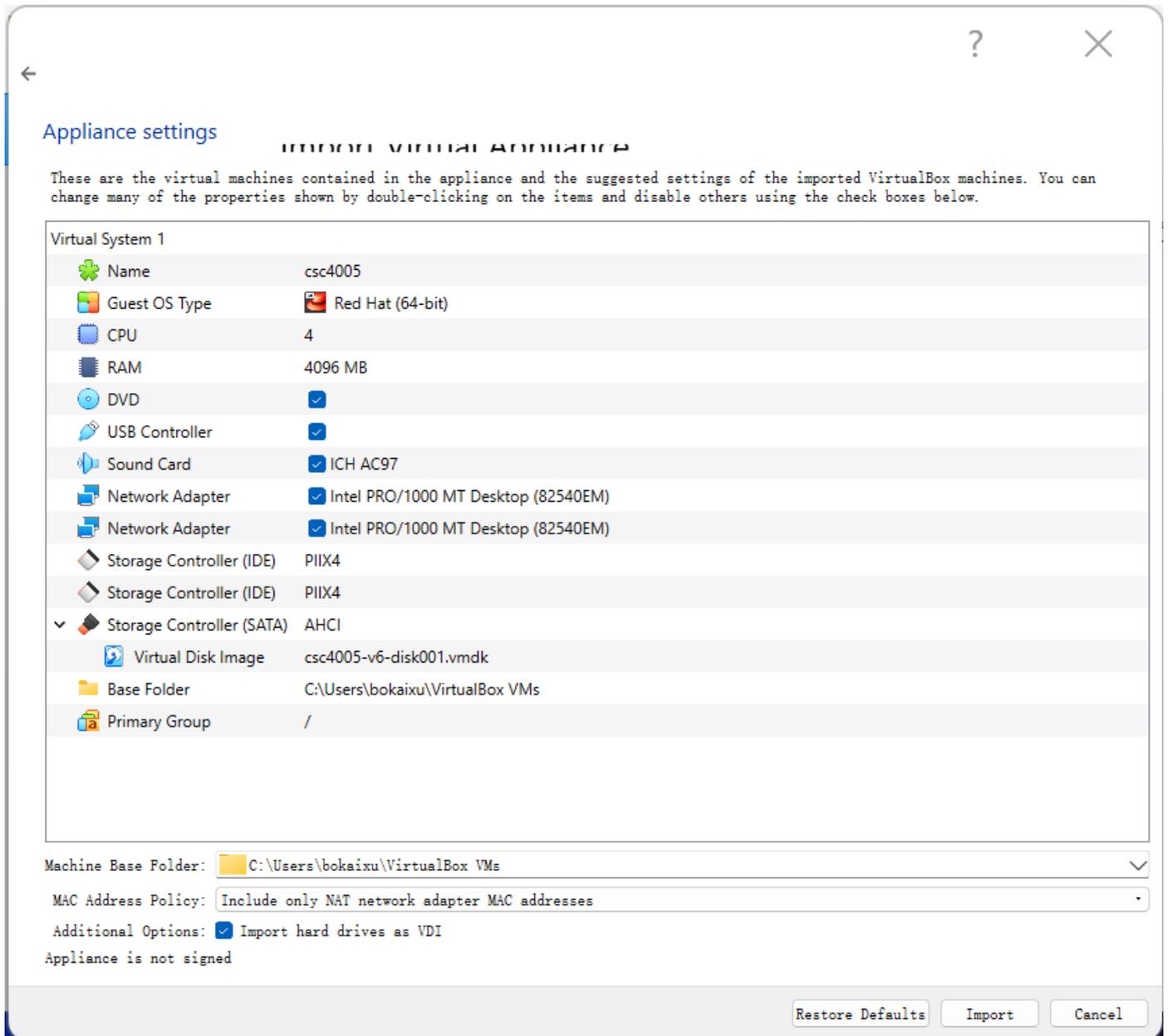
4. Wait until it finishes
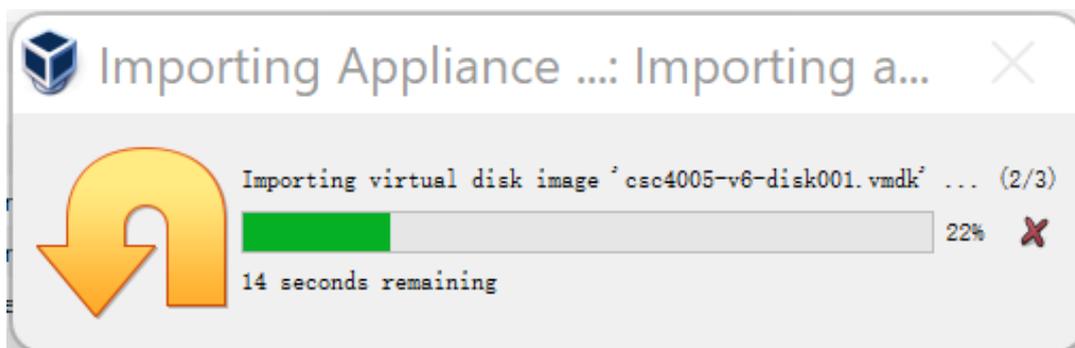
5. Launch VM
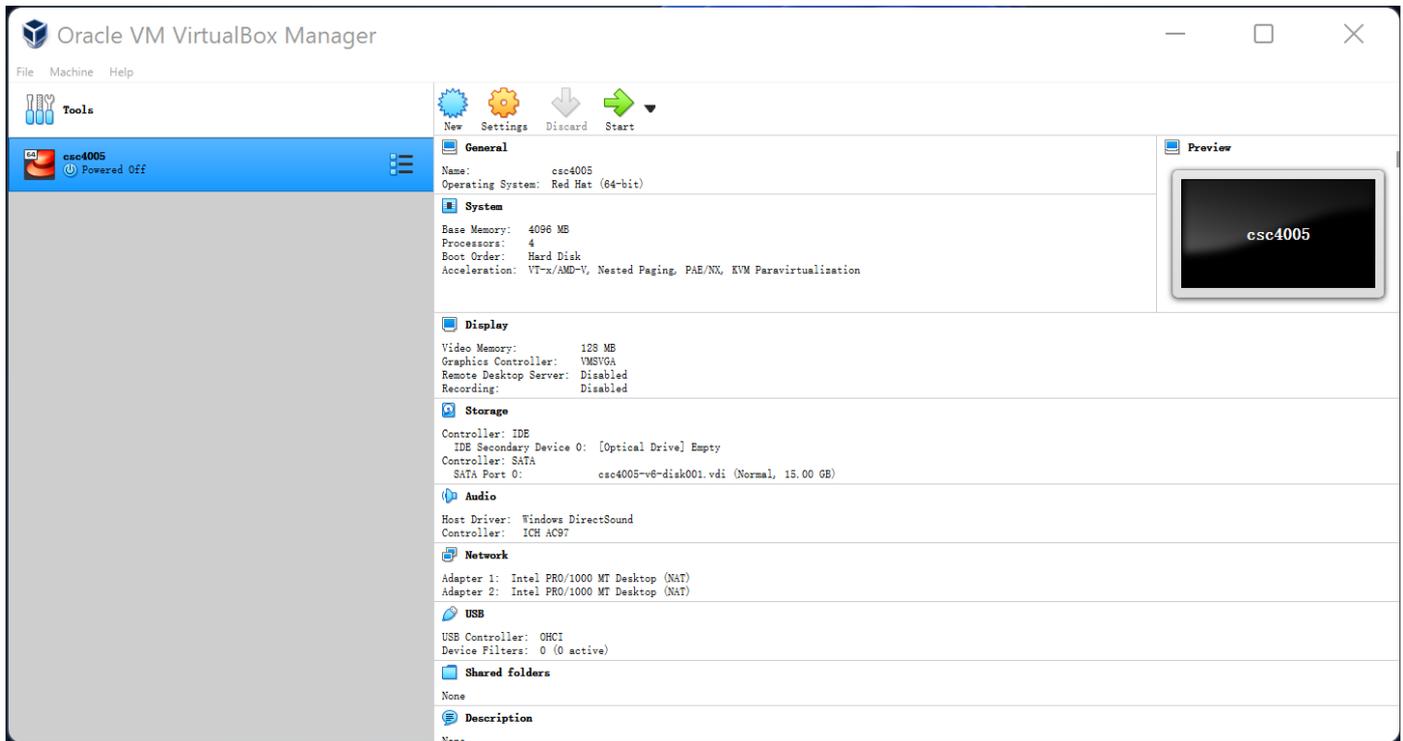
6. Wait a few minutes
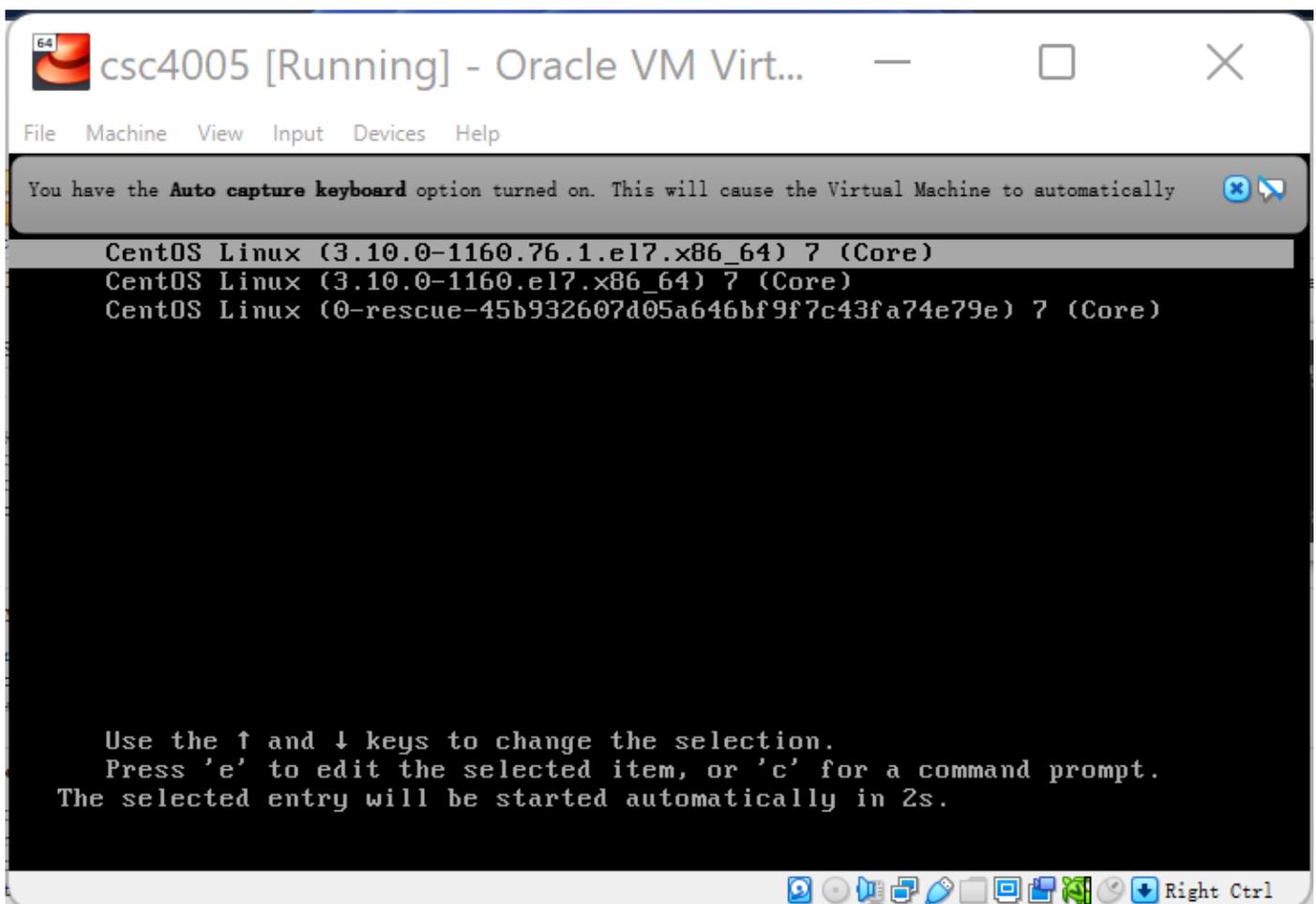
7. Wait until the following UI appears
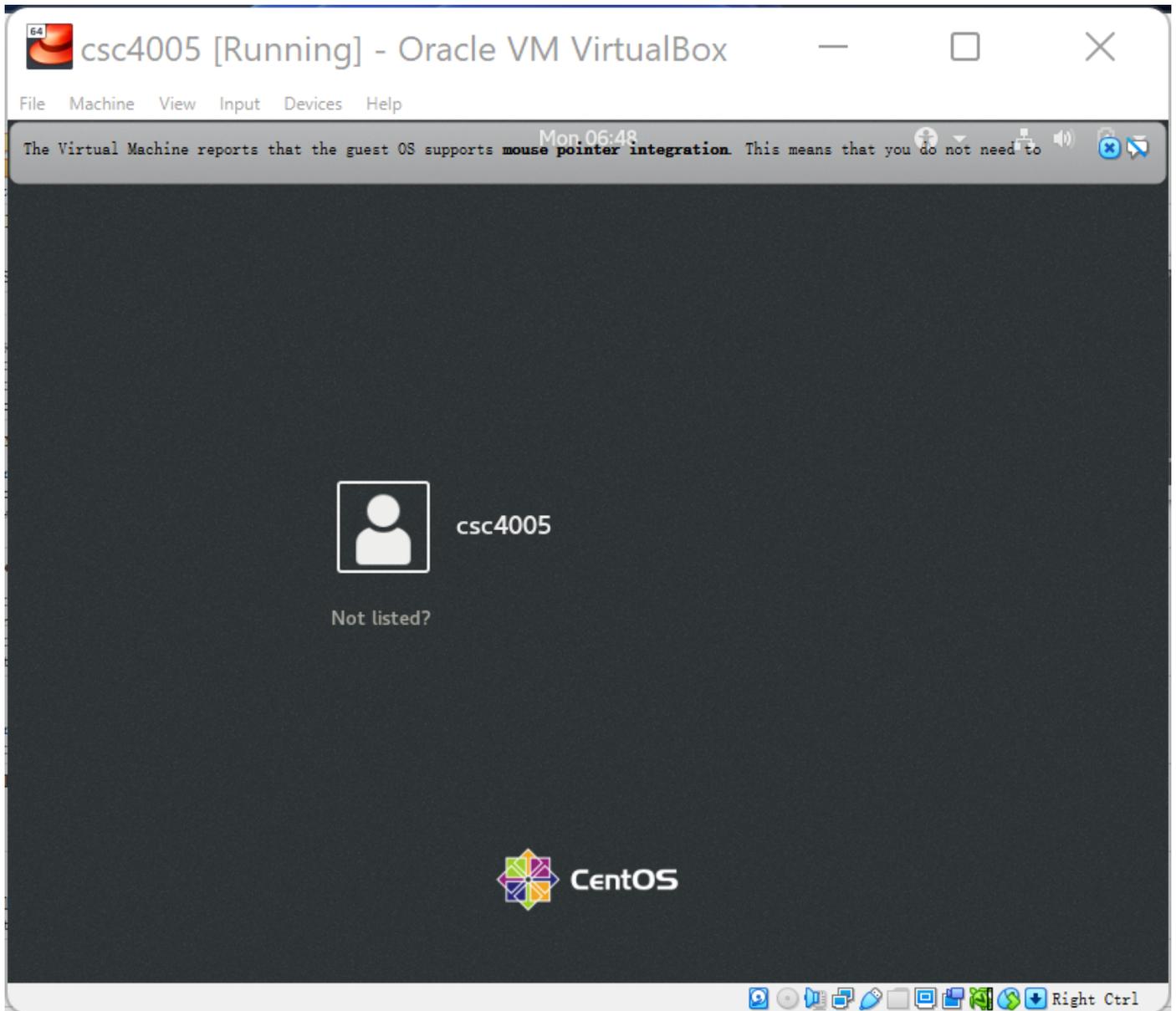
8. Login. Username: csc4005, password:csc4005

9. GUI desktop appears
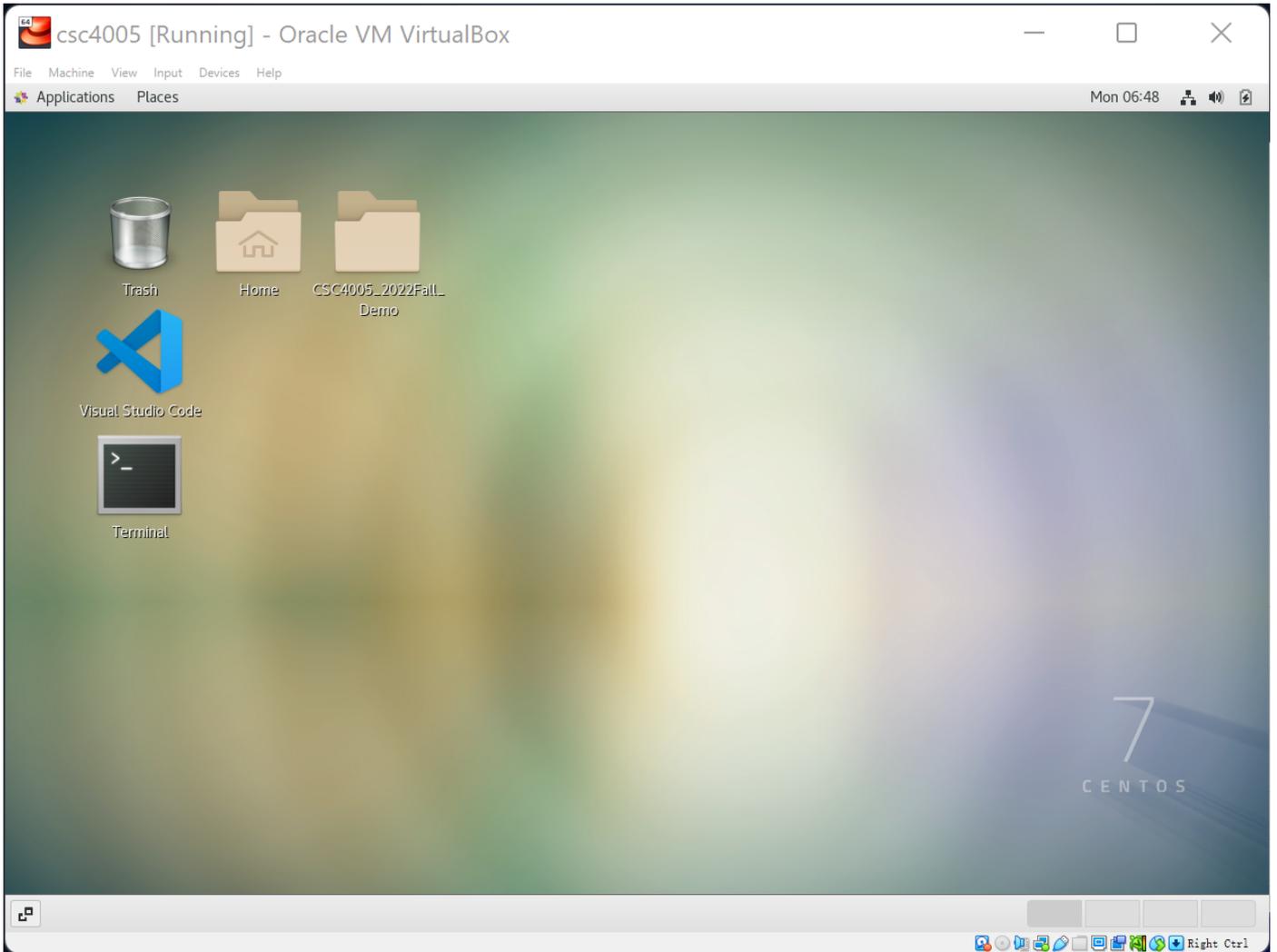
10. Done!
11. When you finish your job, you can just pause that VM, rather than shutdown, because lauching needs much more time than resuming.
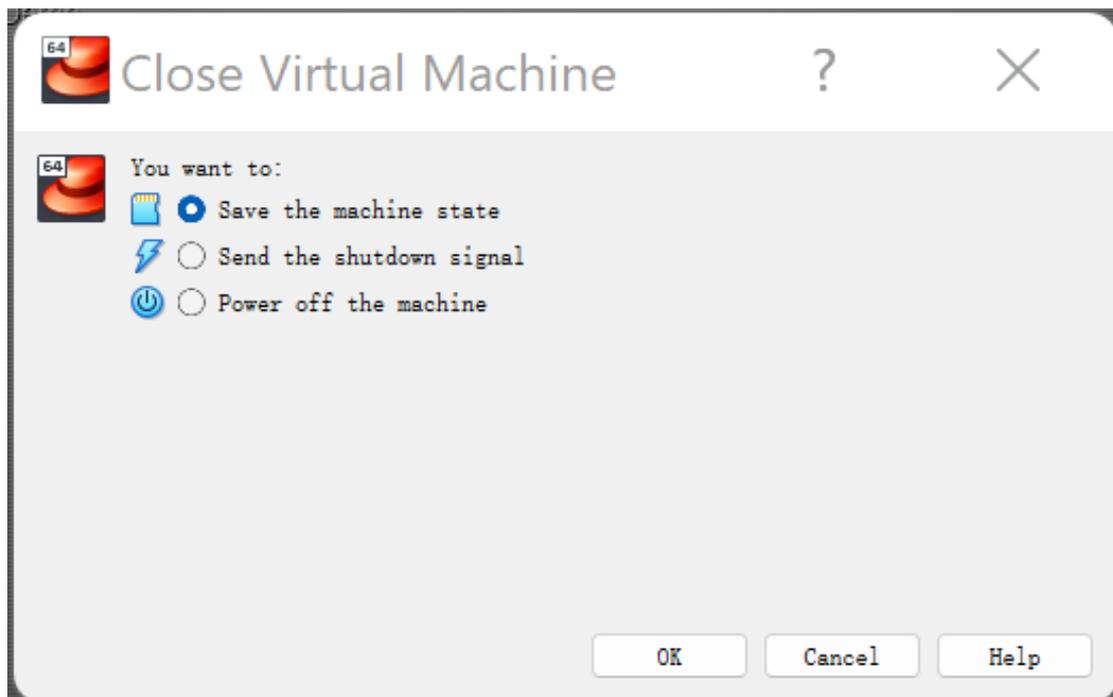
10. Paused VM
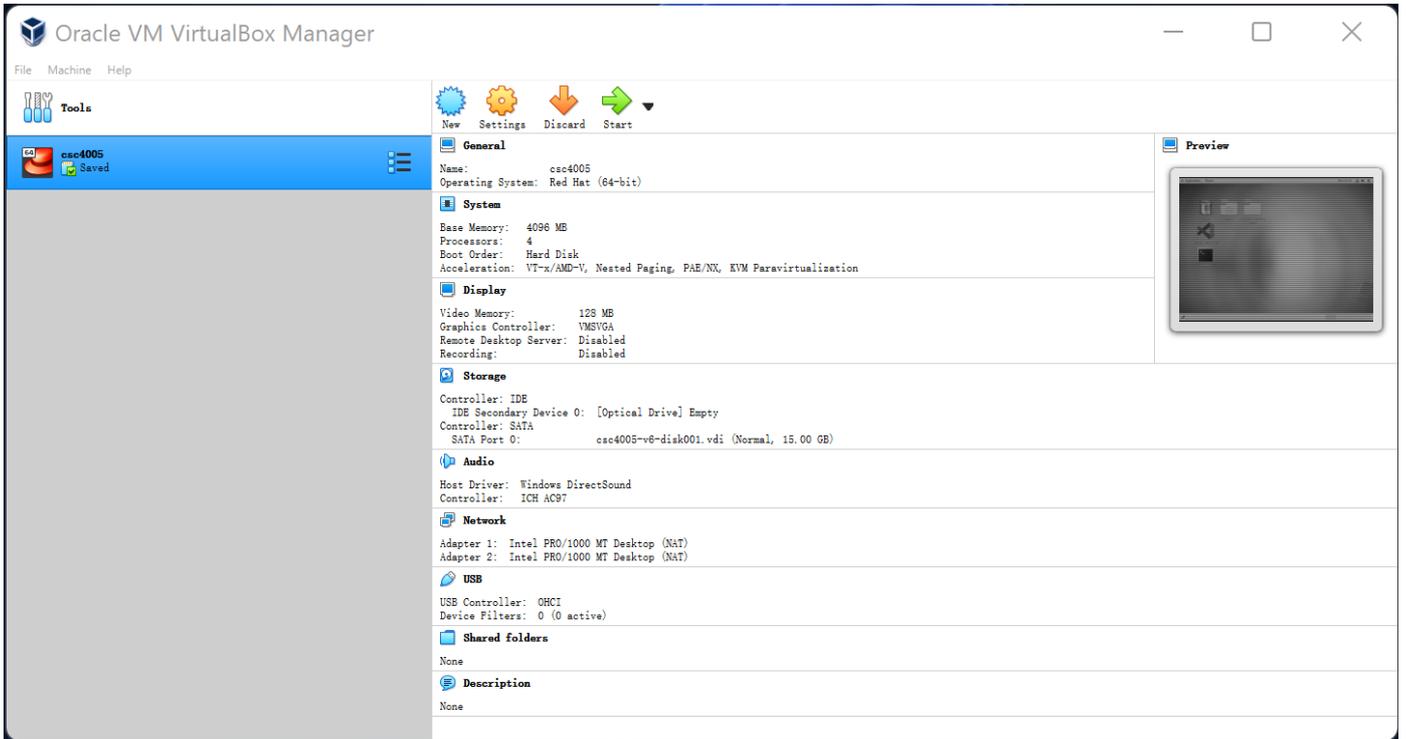
Best,

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