Linux Installation

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2025 castle lab

Environment

Virtual Machine: Oracle VirtualBox

Distribution: Ubuntu 18.04 (highly recommended)

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VirtualBox installation

Website: https://www.virtualbox.org/wiki/Downloads

VirtualBox Platform Packages

VirtualBox 7.1.8 platform packages

- Windows hosts
- macOS / Intel hosts
- macOS / Apple Silicon hosts
- Linux distributions
- Solaris hosts
- Solaris 11 IPS hosts

Platform packages are released under the terms of the GPL version 3

select the packages
fit your host system

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VirtualBox installation

Follow Installation spirit step by step to complete the installation

VirtualBox installation

If you encounter this warning just press yes

VirtualBox installation

After installation you can see the control panel of VirtualBox

Ubuntu Installation

Website: https://releases.ubuntu.com/18.04/

download desktop image(recommended)

Select an image

Ubuntu is distributed on three types of images described below.

Desktop image

The desktop image allows you to try Ubuntu without changing your computer at all, and at your option to install it permanently later. This type of image is what most people will want to use. You will need at least 1024MiB of RAM to install from this image.

64-bit PC (AMD64) desktop image

Choose this if you have a computer based on the AMD64 or EM64T architecture (e.g., Athlon64, Opteron, EM64T Xeon, Core 2). Choose this if you are at all unsure.

Server install image

The server install image allows you to install Ubuntu permanently on a computer for use as a server. It will not install a graphical user interface.

64-bit PC (AMD64) server install image

Choose this if you have a computer based on the AMD64 or EM64T architecture (e.g., Athlon64, Opteron, EM64T Xeon, Core 2). Choose this if you are at all unsure.

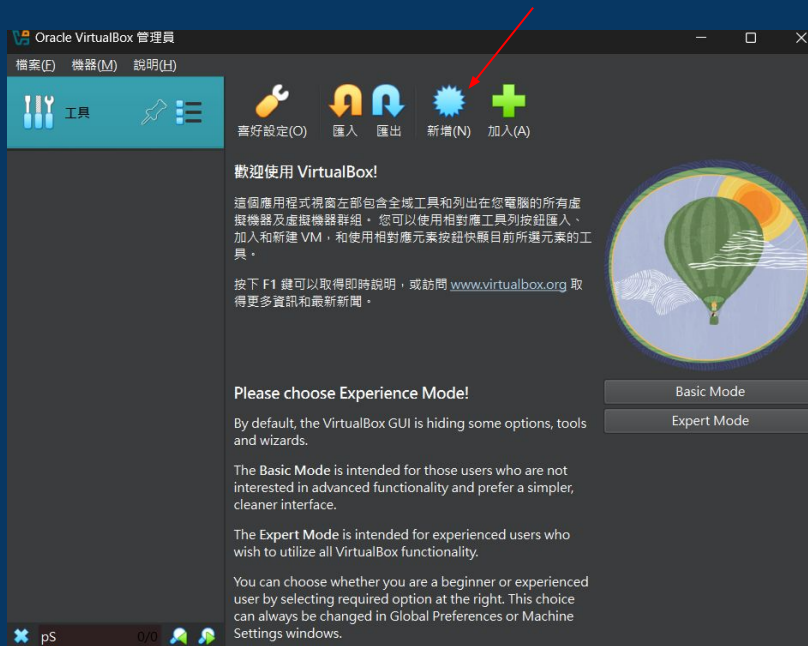A full list of available files, including BitTorrent files, can be found below.

If you need help burning these images to disk, see the Image Burning Guide.

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Ubuntu Installation

Creating virtual machine through VirtualBox control panel

Ubuntu Installation

Select the Image download from Ubuntu website

select right iso file

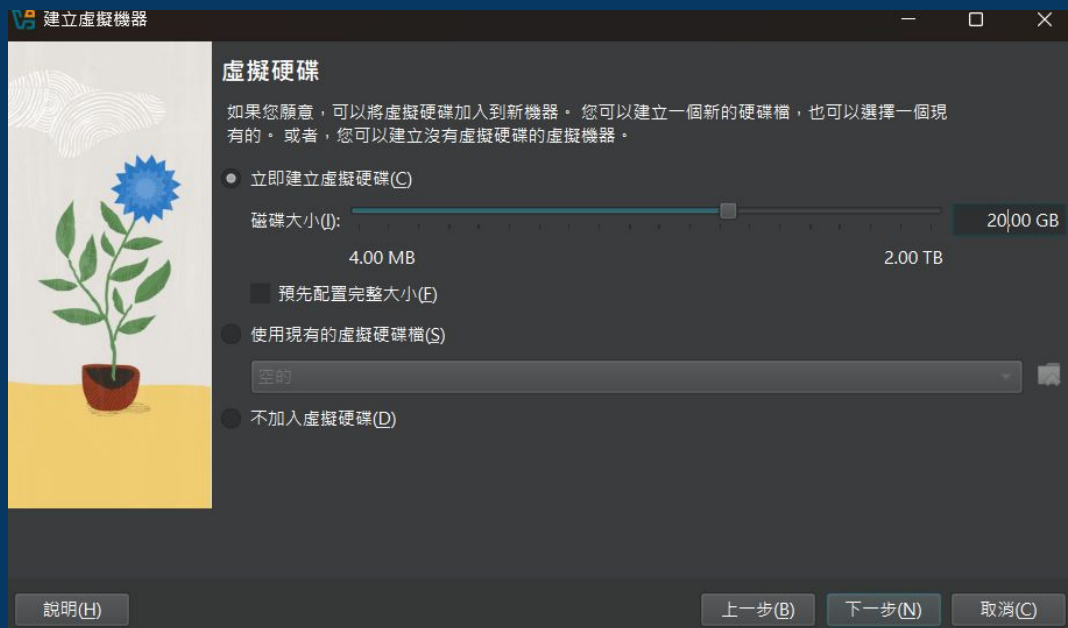# Ubuntu Installation

fill in username and password

Ubuntu Installation
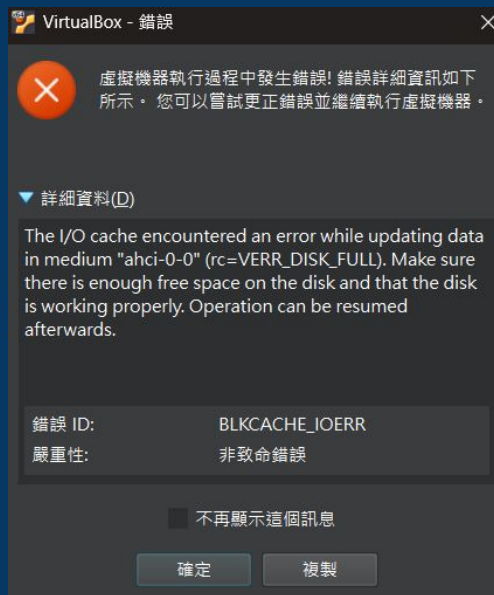
CPU should be more than two
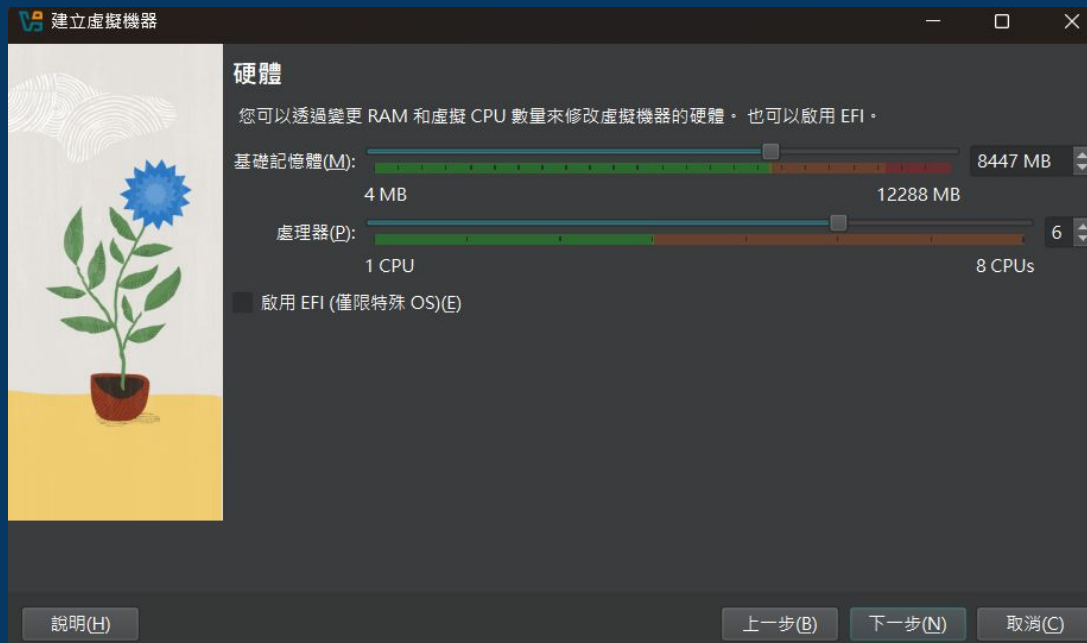
Ubuntu Installation

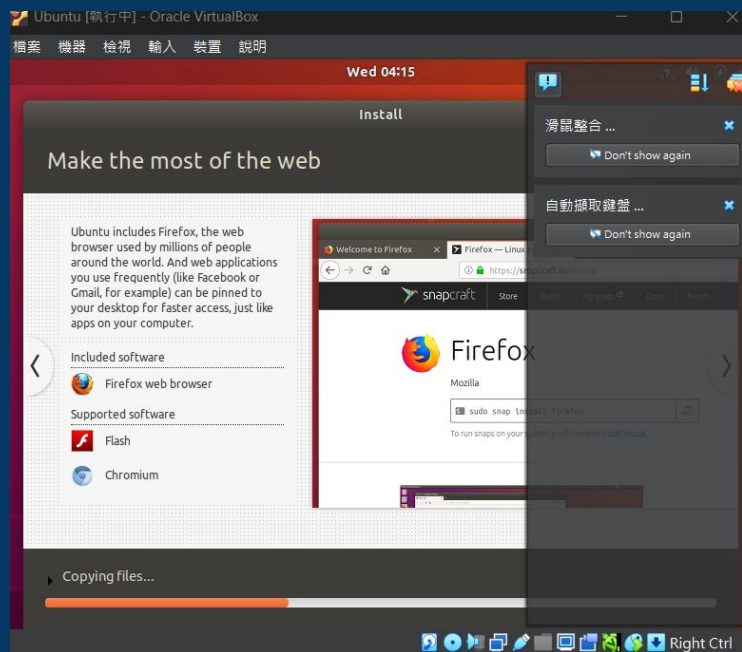Virtual Disk should be at least 20GB (more is recommended)

Ubuntu Installation

If you encounter this error, please check your host system has enough space for virtual machine

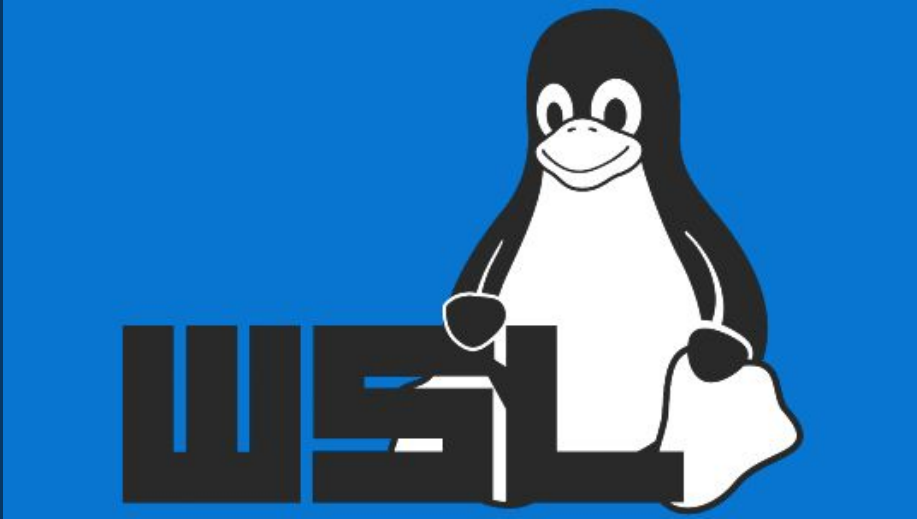# Ubuntu Installation

Wait for the installation finish

Ubuntu Installation

All done, enjoy

Alternative way – Windows Subsystem for Linux

More difficult way due to lack of desktop environment (not tested by TA yet, but it should work as well)

Alternative way – Windows Subsystem for Linux

Install command

wsl --install -d Ubuntu-18.04

Alternative way - Windows Subsystem for Linux

Wait for Downloading, reboot after complete

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Alternative way – Windows Subsystem for Linux

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Fill in username and password

Alternative way – Windows Subsystem for Linux

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All done, enjoy