

OS 2024 Lab0

Environment Setup

Virtual Machine Setup

1. Download and install Oracle VM VirtualBox

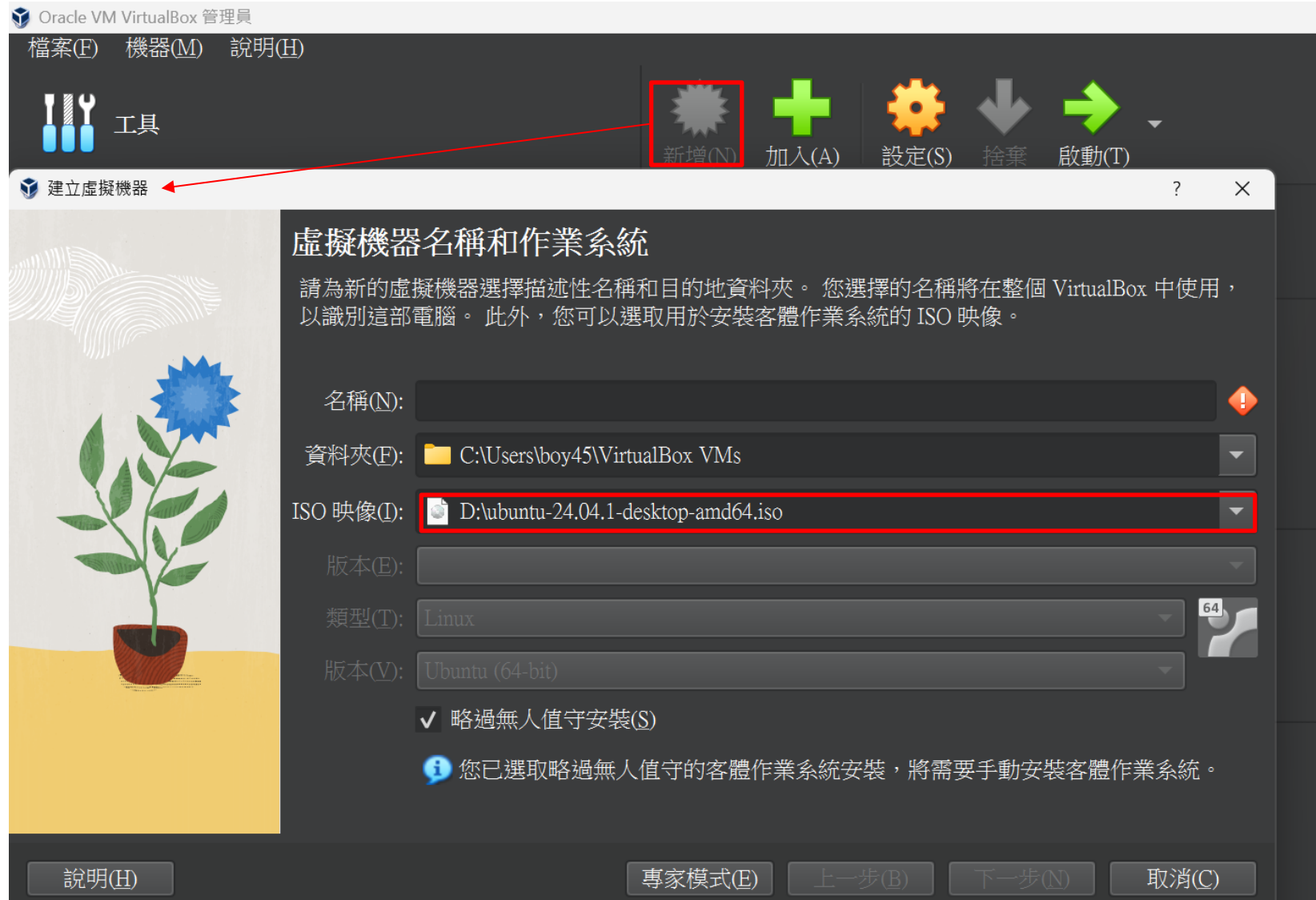
- [VirtualBox 7.1.4](#)
- Mac users can use [UTM](#)

2. Create a new virtual machine

- Download the ISO file of Ubuntu 24.04, and install it on the VirtualBox
 - [Desktop-arm64](#), [Desktop-amd64](#)
 - The environment of Ubuntu 24.04 will be used to demonstrate your homework
 - You can use your preferred environment, but you will be responsible for any environment-related issues during the demo
 - If your program can't run in the demo environment, there is no score for your homework



Virtual Machine Setup – VirtualBox



Virtual Machine Setup – UTM

Start

Custom

 **虛擬化**
比較快，但只能執行原生 CPU 架構。

 **模擬**
比較慢，但可以執行其他 CPU 架構。

Existing


 Open...


 從 UTM 資源庫下載預先建置好的機器...


 取消

作業系統


Preconfigured

 macOS 12+

 Windows

 Linux

Custom

 其他

取消 返回

Linux

Virtualization Engine

☐ 使用 Apple 的虛擬化技術 ← 不建議勾選

Apple Virtualization is experimental and only for advanced use cases. Leave unchecked to use QEMU, which is recommended.


Boot Image Type

☐ 從內核映像檔開機

[Ubuntu Install Guide](#)

開機 ISO 映像檔

focal-desktop-arm64.iso 清除 瀏覽...

 取消 返回 下一步