# How to install a Windows VM

# using LXD

# 從光碟安裝 Windows 虛擬機

https://ubuntu.com/tutorials/how-to-install-a-windows-11-vm-using-lxd

Download iso and pack like below, a total 20G free disk is required.

## 安裝 distrobuilder 套件及製作 ISO

```
$ sudo snap install distrobuilder --classic

$ sudo apt install genisoimage libwin-hivex-perl wimtools

$ sudo distrobuilder repack-windows WindowsIsoImage.iso win11.lxd.iso
```

## 製作範例

```
lester@isorepack:~/Downloads$ sudo distrobuilder repack-windows

Win11_23H2_Chinese_Simplified_x64v2.iso

win11.lxd.iso

INFO [2024-04-25T18:55:59+08:00] Mounting Windows ISO

mount: /var/cache/distrobuilder.2323481667/source: WARNING: source write-protected,

mounted

read-only.

INFO [2024-04-25T18:55:59+08:00] Downloading drivers ISO

INFO [2024-04-25T19:08:17+08:00] Mounting driver ISO

mount: /var/cache/distrobuilder.2323481667/drivers: WARNING: source write-protected,

mounted

read-only.

INFO [2024-04-25T19:08:17+08:00] Modifying WIM file file=boot.wim

index=2

Committing changes to /var/cache/distrobuilder.2323481667/overlay/sources/boot.wim

(image 2)

Using LZX compression with 12 threads

Archiving file data: 19 MiB of 19 MiB (100%) done

INFO [2024-04-25T19:08:20+08:00] Modifying WIM file file=install.wim

index=1

Committing changes to /var/cache/distrobuilder.2323481667/overlay/sources/install.wim

(image 1)

Using LZX compression with 12 threads

...
```

```
Using DIRECTORYSERVICES_DOMAIN000.MAN;1 for

/var/cache/distrobuilder.2323481667/overlay/sources/replacementmanifests/directoryservic

es-domain

controller-tools-replacement.man

(directoryservices-domaincontroller-servercoreupg-replacement.man)

Size of boot image is 2880 sectors -> No emulation

0.15% done, estimate finish Thu Apr 25 19:09:00 2024

...

99.98% done, estimate finish Thu Apr 25 19:09:15 2024

Total translation table size: 2048

Total rockridge attributes bytes: 0

Total directory bytes: 217088

Path table size(bytes): 2464

Max brk space used fe000

3410754 extents written (6661 MB)

INFO [2024-04-25T19:09:16+08:00] Removing cache directory

lester@isorepack:~/Downloads$ ls *.iso -lhs

6.4G -rw-rw-r-- 1 zlmao zlmao 6.4G Apr 25 18:16

Win11_23H2_Chinese_Simplified_x64v2.iso

6.6G -rw-r--r-- 1 root root 6.6G Apr 25 19:09 win11.lxd.iso

lester@isorepack:~/Downloads$
```

## 主控台 → 建立一個 VM

Create an instance

| Main configuration | Instance name |
| --- | --- |
| > Advanced | Enter name |
| YAML configuration | |

Description

Enter description

Base Image*

**Browse images**   Use custom ISO

Instance type

Container ⌄

Profiles

default ⌄

Cancel   Create   Create and start

## 選擇 Use custom ISO

Upload custom ISO   ×

ⓘ Some image formats need to be modified in order to work with LXD.
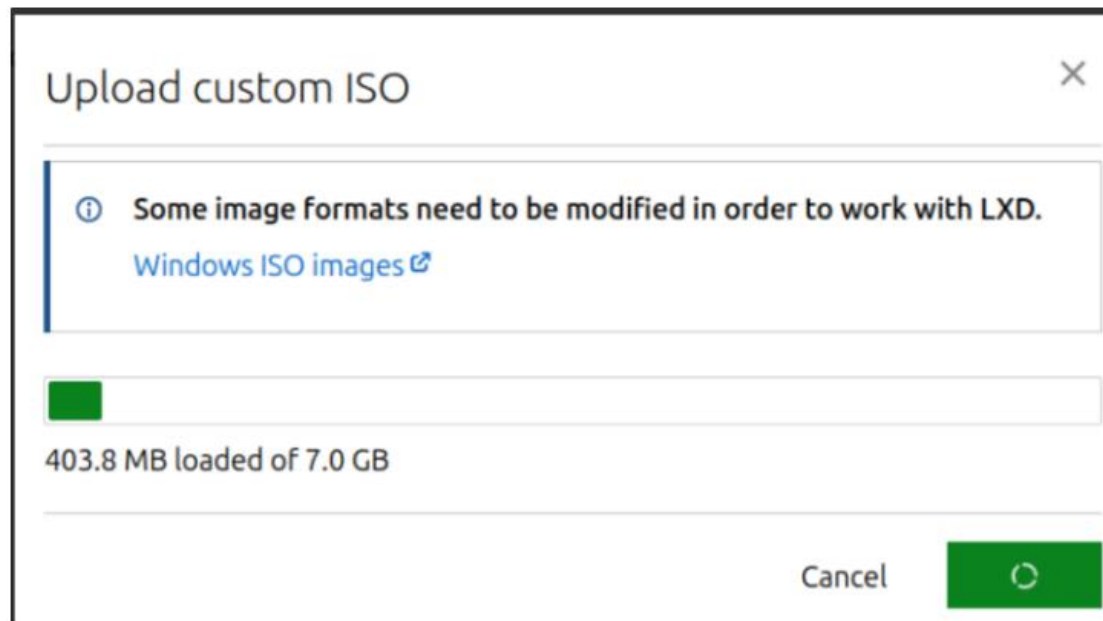Windows ISO images ⤤

Local file   Browse...   No file selected.

Alias

Storage pool   default ⌄

Cancel   Upload

點選 Browser，選擇製作好的 ISO 檔，按下上傳 Upload



VM 資源配置：CPU、記憶體、硬碟及設定

## 滑鼠點擊、按下任意鍵，從 CD 或 DVD 啟動