

Technical Lab Documentation

Ventoy Multi-Boot USB Creation

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Tools: Ventoy, Windows, Bootable USB

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Objectives


The primary aim of this practical lab is to learn how to create a bootable USB using Ventoy. Many new computers come with FreeDOS, meaning they do not have an operating system installed, and purchasing or installing one separately can be costly. In this practical project, I will demonstrate how to create this essential tool for easily installing operating systems and performing system recovery.

Tools Used

- **Ventoy** – software for creating multi-boot USB
- **Windows PC** – for installing Ventoy and copying ISO files
- **USB Flash Drive** – for the bootable multi-boot USB
- **ISO files** – operating system images to be installed

Lab Procedure

1. **Plug in your USB flash drive**
 - Connect your USB drive to the Windows PC.
 - Make sure there is no important data on the drive, as it will be formatted.
2. **Download and install Ventoy**
 - Visit the [Ventoy official website](#).
 - Download the latest version compatible with Windows.

**Ventoy**
A New Bootable USB Solution

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Binary

File	SHA-256	Released	Size
ventoy-1.1.10-windows.zip	c65e6bffa33a376bd3fd3243eb9cdd923c07f7d051c934c7b6ad72f7bf6c80049	2025-12-21	15 MB
ventoy-1.1.10-linux.tar.gz	1113abe6e1bb712834fe574a966621a912858004f4fef701666ec97c5beb208	2025-12-21	19 MB
ventoy-1.1.10-livecd.iso	57ae81baf8ba6bd028ca8b335f5a7d59dcb37d2927b55392e8d947d08018f313	2025-12-21	186 MB

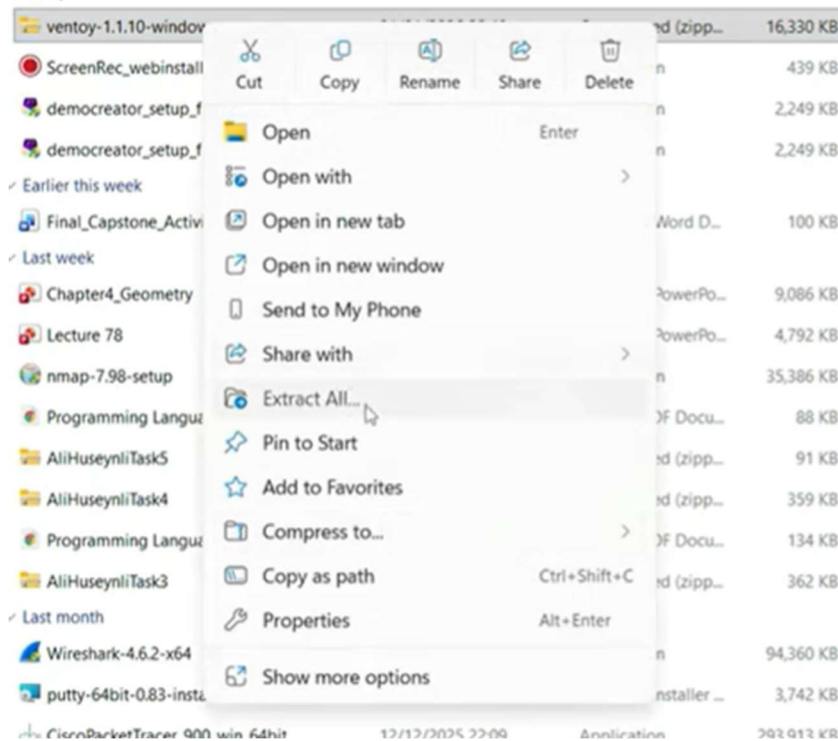
[History Release ...](#)

Notes:

This website is underprovisioned, so please download ventoy in the follows: (remember to check the SHA-256 hash)

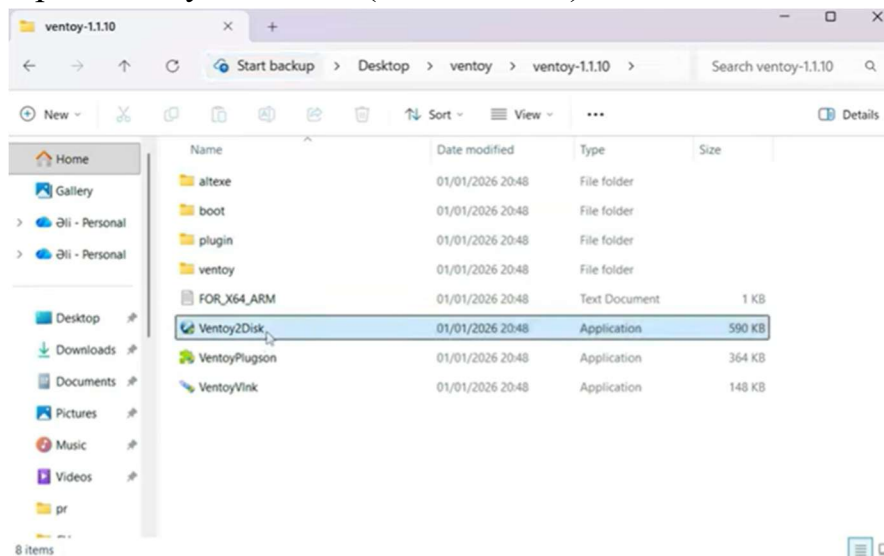
1. <https://sourceforge.net/projects/ventoy/files>

- Extract the downloaded archive to a folder on your PC.

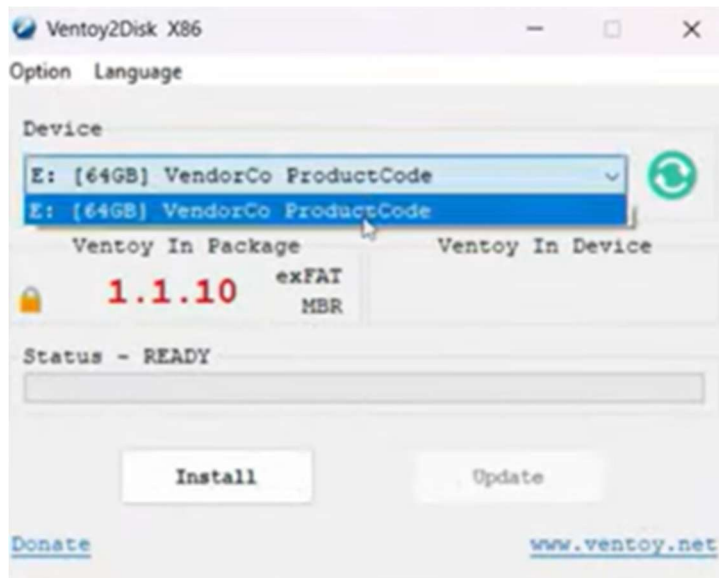


3. Run Ventoy and select the target USB drive

- Open Ventoy2Disk.exe (for Windows).



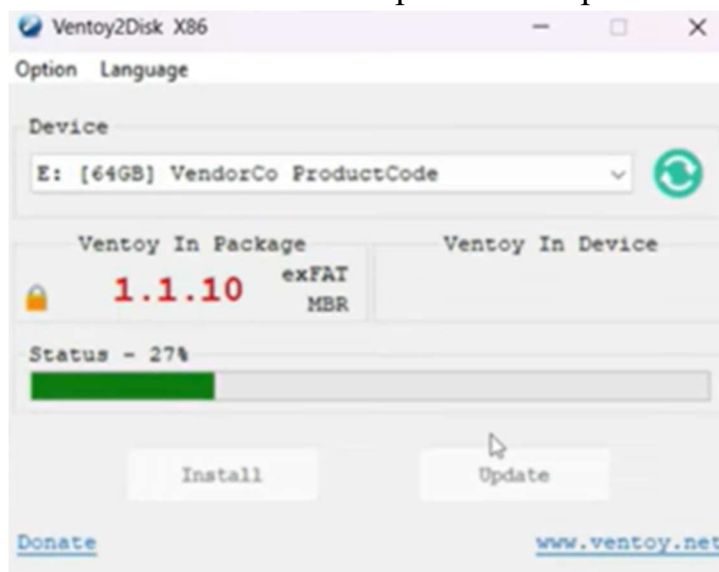
- Select your USB flash drive from the list.



- Double-check that you selected the correct drive.

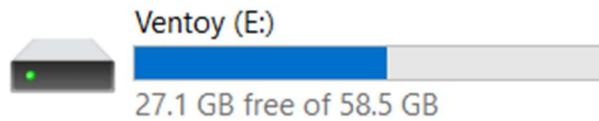
4. **Install Ventoy on the USB drive**

- Click the **Install** button.
- Confirm any warning messages about formatting the drive.
- Wait until the installation process completes successfully.

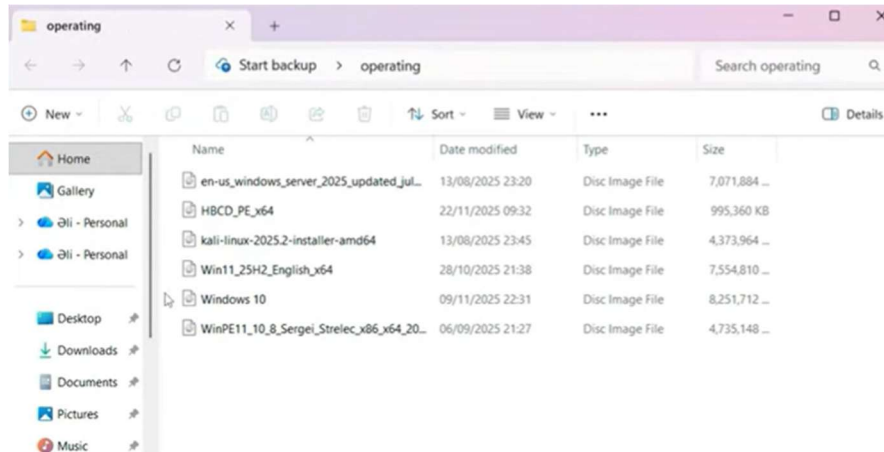


5. **Copy ISO files to the USB drive**

- Open the newly created Ventoy USB drive in File Explorer.



- Copy all the ISO files of the operating systems you want to boot.



- No special folders are needed; just place them in the root directory of the USB.

Conclusion

Overall, we have successfully created a bootable USB drive using Ventoy. This solution allows users to easily install new operating systems and reduces the additional costs associated with separate installations.