

# Ventoy



<https://www.ventoy.net>

# Menu

# Ventoy

cn\_windows\_10\_enterprise\_x64.iso

cn\_windows\_8.1\_enterprise\_6050374.iso

cn\_windows\_server\_2012\_r2\_v1\_x64\_dvd\_2979220.iso

cn\_windows\_server\_2019\_x64\_dvd\_2d80e042.iso

en\_windows\_7\_pro\_x64\_dvd\_x15-65805.iso

# Before Ventoy

- Like any programmer, I created my own called `write_usb`
- Lot of work to create and maintain for new versions
- Grub isn't the easiest thing

# Use cases

- Installation (Linux/Windows)
- Recovery tools (distros to help recover Grub/systems)
- Virus scan
- Check out distros

# Pros

- Easy (copy the files that's it!)
- Open Source (GPL v3)
- Handles heaps of formats (ISO/WIM/IMG/VHD(x)/EFI)
- Persistence support
- Automation for installs
- Legacy & UEFI support

# Cons

- None so far!

**Install**

# Web GUI

1. Download latest Ventoy <https://www.ventoy.net/>

I downloaded version 1.0.42

<https://github.com/ventoy/Ventoy/releases/download/1.0.42-linux.tar.gz>

1. Untar

```
tar xvf ventoy-1.0.42-linux.tar.gz
```

2. Start Web GUI

```
cd ventoy-1.0.42  
sudo sh VentoyWeb.sh
```





# Web GUI

Option ▾ Languages ▾

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Device

sdc [32 GB] Kingston DataTraveler 3.0 (USB) ▾ 

Ventoy In Package	Ventoy In Device
<b>1.0.36</b> GPT	 <b>1.0.36</b> GPT

Status - READY

# Ventoy on USB

1. Go to Ventoy GUI <http://127.0.0.1:24680/>
2. Insert a blank USB 16GB or greater
3. Click the refresh device button and select your device from the dropdown
4. Click **Install**

# distro images

1. Download any ISO/WIM/IMG/VHD(X) files you want
2. Copy them to the USB Ventoy partition
3. Unmount
4. Boot from the USB

# Create config file

Create a ventoy json file (optional)

[https://www.ventoy.net/en/plugin\\_control.html](https://www.ventoy.net/en/plugin_control.html)

# Persistence setup

Plugin.persistence . Ventoy Store data for multiple distros

# Download persistence images

Download persistent data files

<https://github.com/ventoy/backend/releases/download/>

# Extract

Create persistence directory and extract using 7z  
any persistence files into there

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MX Linux	persistence_ext41GBMX- Persist.dat.7z
Ubuntu/Linux Mint	persistence_ext41GBcasper- rw.dat.7z
Kali	persistence_ext41GBpersistence.dat.7z

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## Extract

```
7z x persistence_ext4_1GB_casper-rw.dat.7z
```

# Move to USB

## Move to USB

```
mkdir /media/map7/Ventoy/persistence  
mv persistence_ext4_1GB_casper-rw.dat /media/map7/Ventoy/persistence
```



# Update config

Edit ventoy/ventoy.json file with the following

```
{
  "persistence": [
    {
      "image": "/linuxmint-20.1-xfce-64bit.iso",
      "backend": "/persistence/persistence_ext4_1GB_casper-rw.dat",
      "autosel": 1
    }
  ]
}
```

# Test

Managed to install emacs and create a text file which both the program and the text existed after rebooting.

NOTE: Just by installing emacs,screen,htop,mg and creating the text file it used 400MB.

# Live Demo

Boot my Ventoy on my notebook into Linux Mint.

1. Connect through PiKVM to BB-8
2. Reboot
3. Show booting from Ventoy

# References

- <https://www.ventoy.net/en/index.html>
- GitHub - map7/write\_usb: Multi-boot USB script

# Questions

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Email [map7@fastmail.com](mailto:map7@fastmail.com)

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Twitter [@map7](https://twitter.com/map7)

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Github [github: map7](https://github.com/map7)

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