

APCUG Presents

Sliding Over From Windows to Linux Made Easy

September 21, 2022



Transition Key

- Programs available to Windows users
- Common to both Windows and Linux
- Makes the move from Windows to Linux very smooth

Internet: Browsers

- Firefox*, Brave
- Chromium, Chrome
- Browser extensions

Internet: Search Engines

- DuckDuckGo
- Google
- Bing

Internet: Password Security

- Bitwarden
- LastPass
- Roboform

Internet: Storage

- Dropbox
- Google Drive
- One Drive
- pCloud

Communication

- Thunderbird (client based mail)
- Gmail/OutlookMail (web based mail)
- Zoom, Jitsi, Skype

Productivity

- LibreOffice*
- Google Docs
- Office Online

Audio/Video

- VLC*

The Results

- Very comfortable with the software that I was using
- Very pleased to learn that the new operating system had the same software



TEST DRIVING LINUX

Try Linux on your own computer using a bootable thumb drive containing Linux

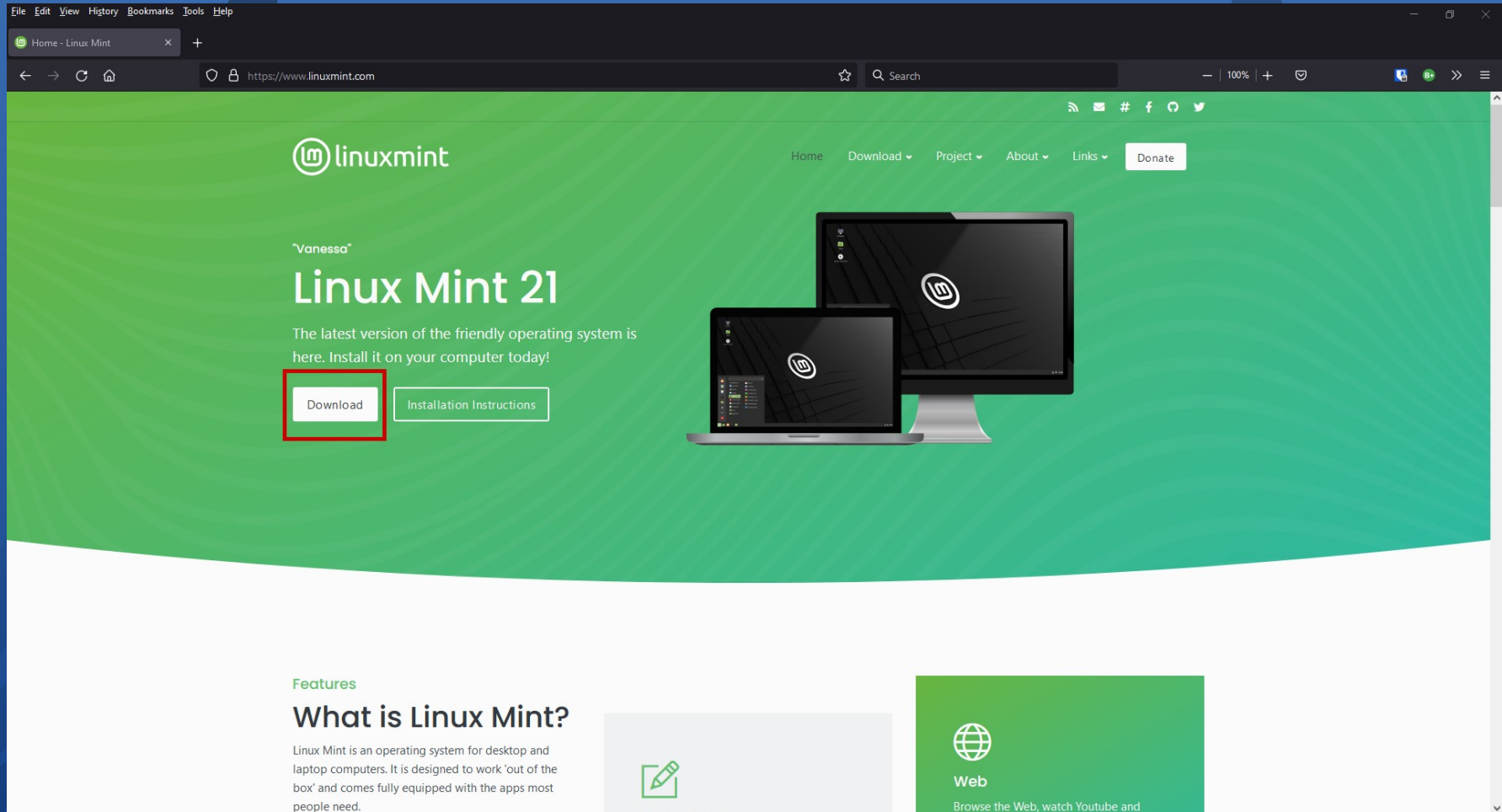
Why Bootable?

- You can run an operating system, like Linux, off the thumb drive
- You do not make any changes to your hard drive or your operating system
- You can access all your files and open them up in the “live” thumb drive, edit the file, and you can save it back to your own hard drive

LINUX ISO

Getting Linux Mint

https://linuxmint.com/



The screenshot shows the Linux Mint website homepage in a web browser. The browser's address bar displays "https://www.linuxmint.com". The website has a green background with a subtle pattern. At the top, there is a navigation bar with links: Home, Download, Project, About, Links, and a Donate button. The main content area features the Linux Mint logo, the text "Vanessa", and "Linux Mint 21". Below this, it says "The latest version of the friendly operating system is here. Install it on your computer today!". There are two buttons: "Download" (highlighted with a red box) and "Installation Instructions". To the right of the text is an image of a laptop and a monitor, both displaying the Linux Mint desktop. At the bottom, there is a section titled "Features" with the heading "What is Linux Mint?". The text below the heading describes Linux Mint as an operating system for desktop and laptop computers, designed to work 'out of the box' and come fully equipped with the apps most people need. There are two icons: a pencil icon and a globe icon. The globe icon is labeled "Web" and has the text "Browse the Web, watch Youtube and" below it.

File Edit View History Bookmarks Tools Help

Home - Linux Mint

https://www.linuxmint.com

linuxmint

Home Download Project About Links Donate

"Vanessa"

Linux Mint 21

The latest version of the friendly operating system is here. Install it on your computer today!

Download Installation Instructions

Features

What is Linux Mint?

Linux Mint is an operating system for desktop and laptop computers. It is designed to work 'out of the box' and comes fully equipped with the apps most people need.

Web

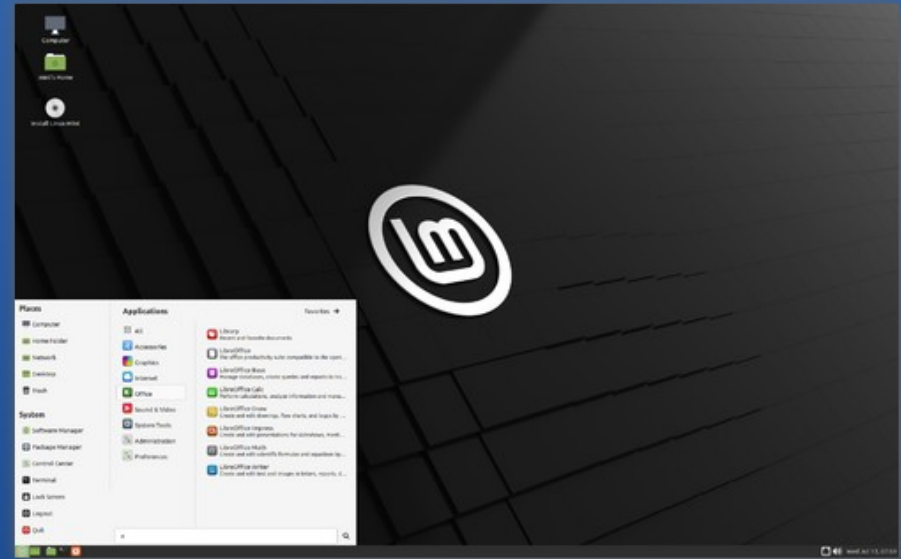
Browse the Web, watch Youtube and

<https://linuxmint.com/>

- When you click on the Download button, you are taken to another page where you have to choose which of three versions of Mint you want to download

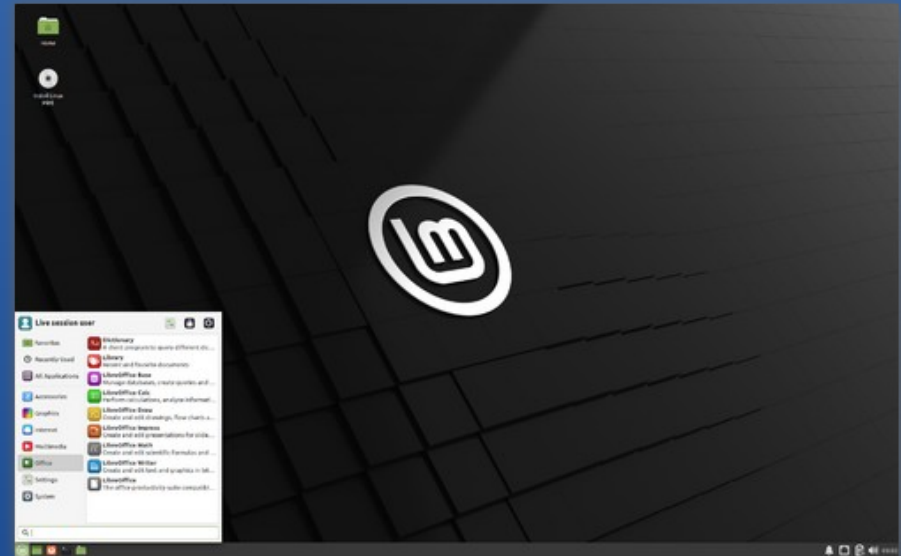
MINT WEBSITE

- Linux Mint is also involved in the development of MATE, a classic desktop environment. Although it misses a few features and its development is slower than Cinnamon's, MATE runs faster, uses fewer resources and is more stable than Cinnamon.

















MINT WEBSITE

- Xfce is a lightweight desktop environment. It doesn't support as many features as Cinnamon or MATE, but it's extremely stable and very light on resource usage.



MINT WEBSITE

- <https://linuxmint.com/>
- Choose your version, we're getting Cinnamon
- Choose your location, we're getting it from Purdue Linux User Group, because it's somewhat close to me
- Can be left in Downloads or moved to another folder (I have a folder for ISO)

 USA	ette.biz
 USA	Fremont Cabal Internet Exchange
 USA	GigeNET
 USA	Harvard School of Engineering
 USA	James Madison University
 USA	kernel.org
 USA	Linux Freedom
 USA	MetroCast Cablevision
 USA	Open Computing Facility at UC Berkeley
 USA	Purdue Linux Users Group
 USA	Skynet Communications of Kentucky
 USA	Sonic
 USA	St. James R-1 School District
 USA	Team Cymru
 USA	TeraSwitch



File Explorer window showing the Downloads folder. The file **linuxmint-21-cinnamon-64bit.iso** is highlighted with a red box and a red arrow pointing to it.

File Explorer Interface:

- Navigation pane (left):** Quick access (Desktop, Downloads, Zoom, Pictures, Documents, Music, Videos), OneDrive - Personal, This PC (3D Objects, Desktop, Documents, Downloads, Music, Pictures).
- Address bar:** This PC > Downloads
- Command bar (top):** File, Home, Share, View. Ribbon tabs: Clipboard (Pin to Quick access, Copy, Paste, Cut, Copy path, Paste shortcut), Organize (Move to, Copy to, Delete, Rename), New (New item, Easy access, New folder), Open (Properties, Open, Edit, History), Select (Select all, Select none, Invert selection).
- Search bar:** Search Downloads

File List:

Name	Date modified	Type	Size
Today (2)			
linuxmint-21-cinnamon-64bit.iso	9/16/2022 10:11 PM	Disc Image File	2,391,936 KB
balenaetcher-Setup-1.7.9.exe	9/16/2022 9:46 PM	Application	142,095 KB
Earlier this week (2)			
participants_84345594273 (1).csv	9/14/2022 4:22 PM	OpenOffice.org 1....	3 KB
participants_84345594273.csv	9/14/2022 4:17 PM	OpenOffice.org 1....	18 KB
Last month (6)			
participants_86064466001 (1).csv	8/27/2022 4:51 PM	OpenOffice.org 1....	4 KB
participants_86064466001.csv	8/27/2022 4:48 PM	OpenOffice.org 1....	19 KB
ZoomInstallerFull (2).exe	8/26/2022 10:30 PM	Application	50,666 KB
participants_83128502011 (1).csv	8/10/2022 3:18 PM	OpenOffice.org 1....	6 KB
participants_83128502011.csv	8/10/2022 3:16 PM	OpenOffice.org 1....	33 KB
ZoomInstallerFull (1).exe	8/9/2022 11:26 PM	Application	47,794 KB
Earlier this year (12)			
participants_81194007155 (1).csv	7/20/2022 2:38 PM	OpenOffice.org 1....	3 KB
participants_81194007155.csv	7/20/2022 2:37 PM	OpenOffice.org 1....	11 KB
participants_88058938550 (1).csv	7/13/2022 5:15 PM	OpenOffice.org 1....	4 KB

42 items

Bootable Thumb Drives

Getting and Using Etcher

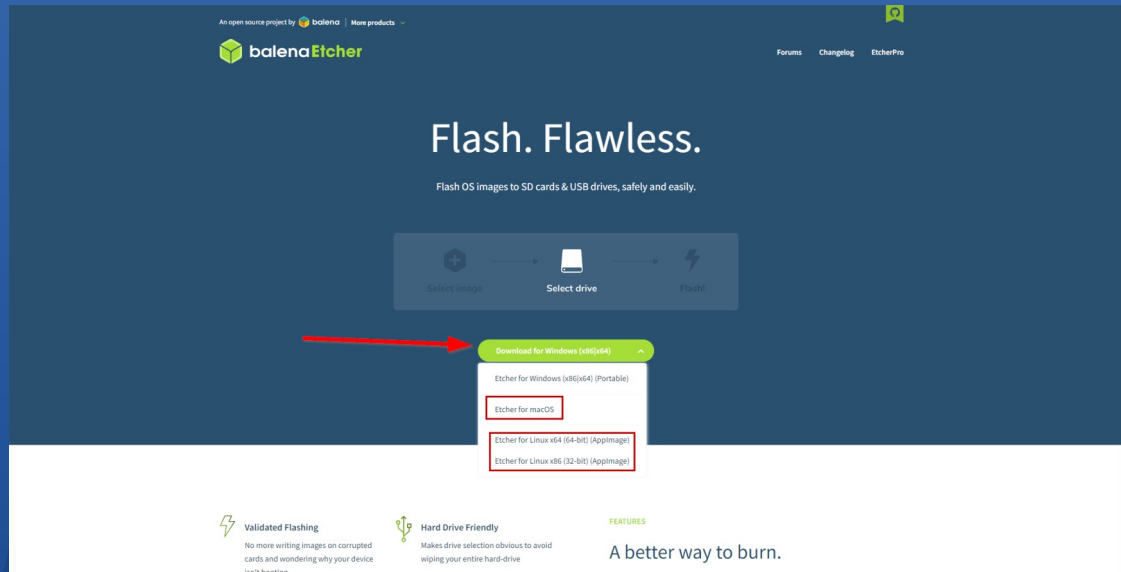
balenaEtcher

- Sometimes just called Etcher

<https://www.balena.io/etcher/>

- balenaEtcher is a free and open-source utility used for writing image files such as .iso and .img files onto storage media to create live SD cards and USB flash drives

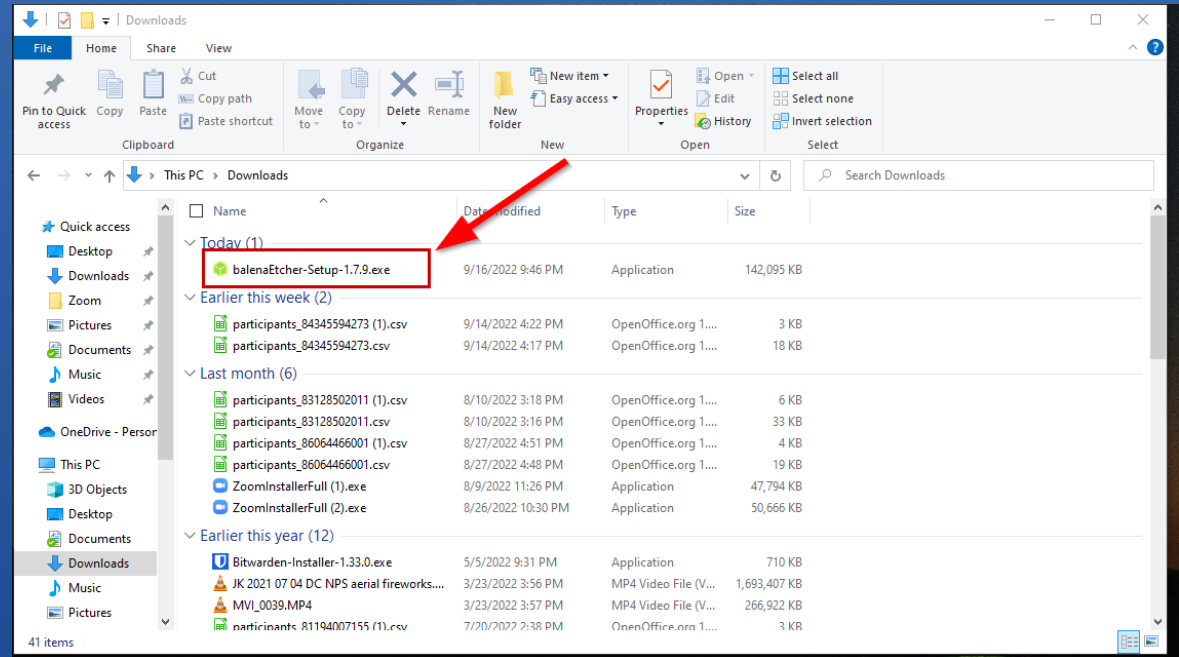
GETTING ETCHER



- <https://www.balena.io/etcher/>
- Use browser of choice
- Website knows what version of Etcher you need

<https://www.balena.io/etcher/>

- Download
- Double-click to start the install process

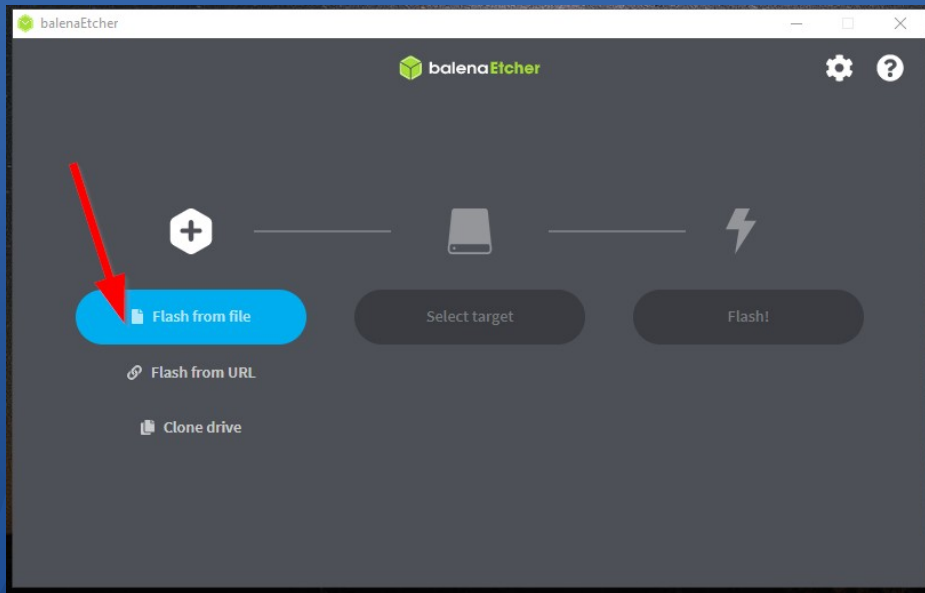


CREATING A LIVE USB

- Connect blank 16 GB (or larger) USB to your computer
- Go to Downloads (or wherever you moved Etcher if you did)
- Double click Etcher to install (or if already installed, go to Start Menu to run it)

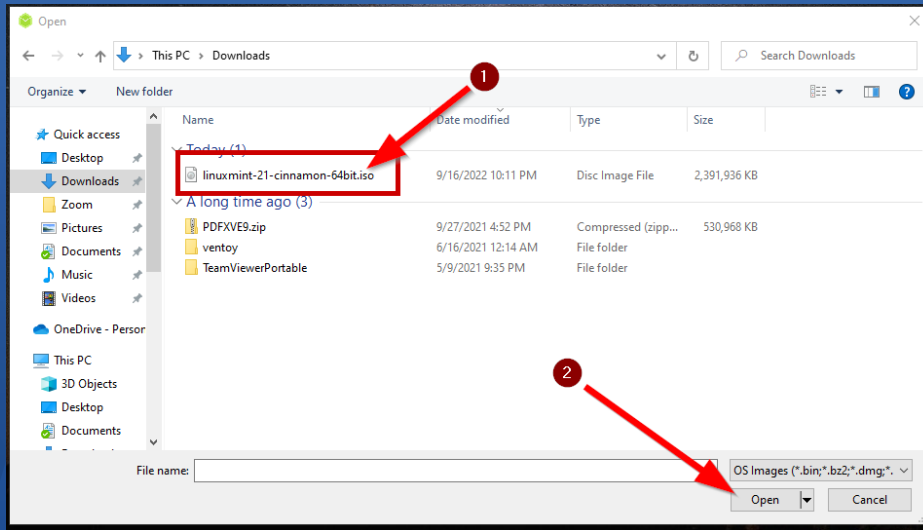
CREATING A LIVE USB

- Select “Flash from File”



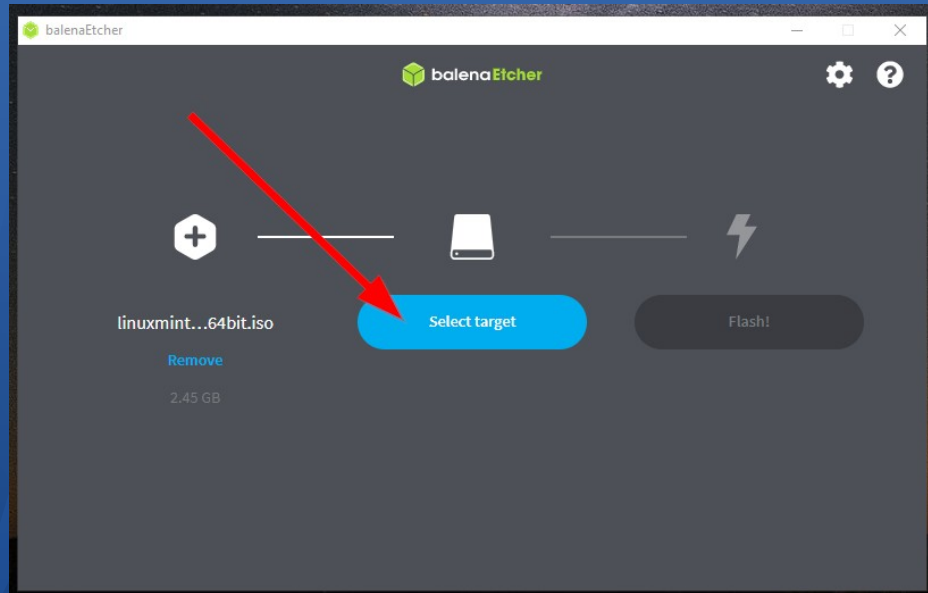
CREATING A LIVE USB

- and find the ISO of Mint (or whatever distro you chose), click “Open”



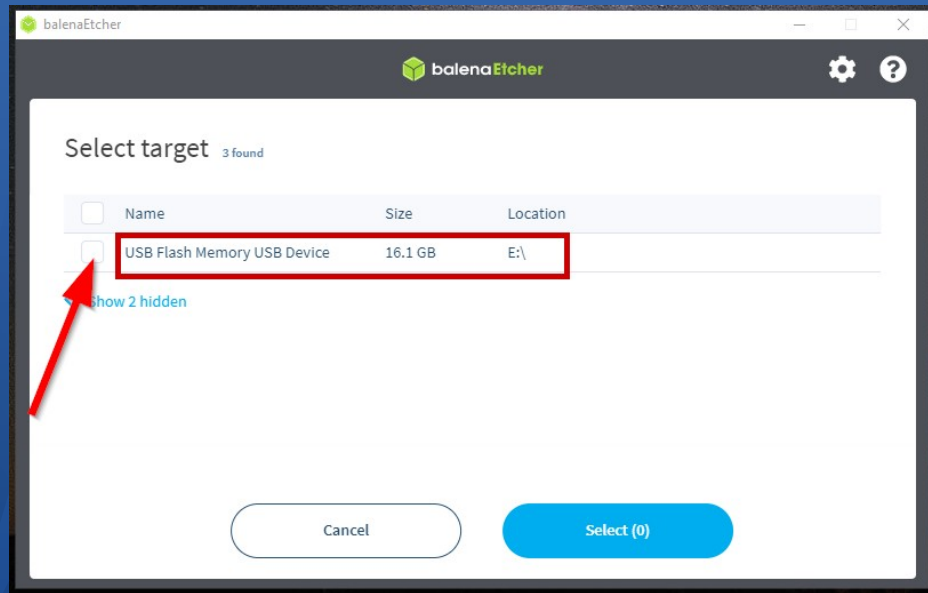
CREATING A LIVE USB

- Select “Select Target”

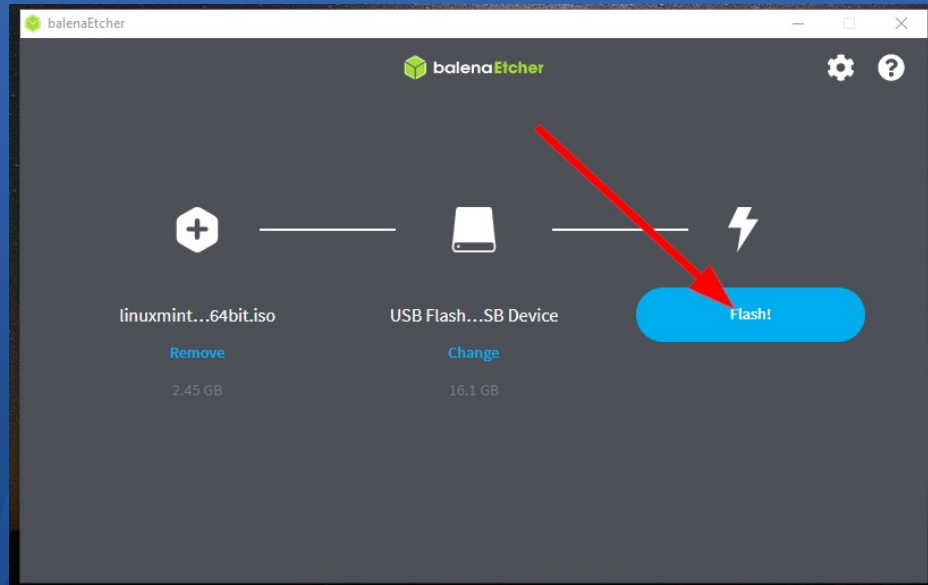


CREATING A LIVE USB

- choose the USB that you want to use, make sure it's the right one, check the box and click "Select"



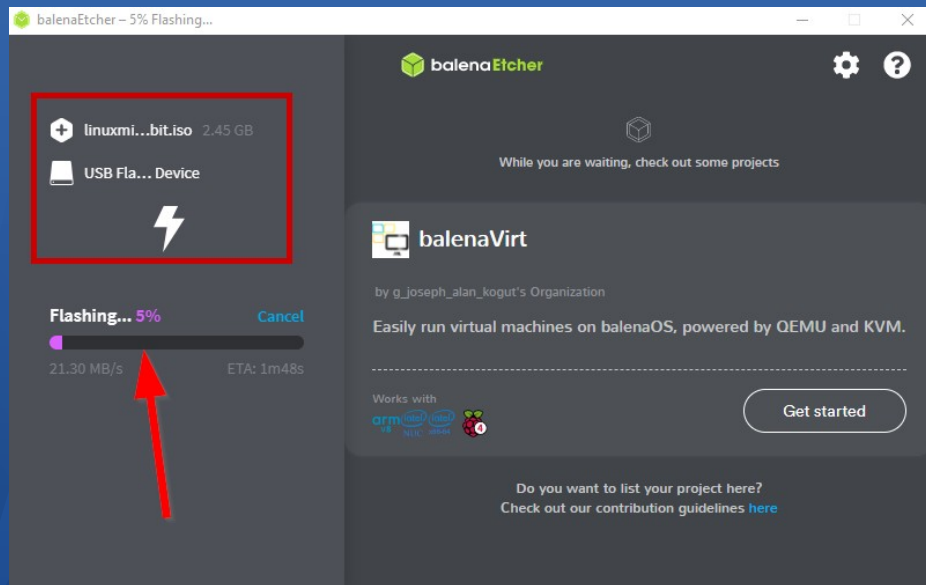
CREATING A LIVE USB



- If something isn't right, you can go back to change it. Double check.
- Last step, choose to “Flash!”

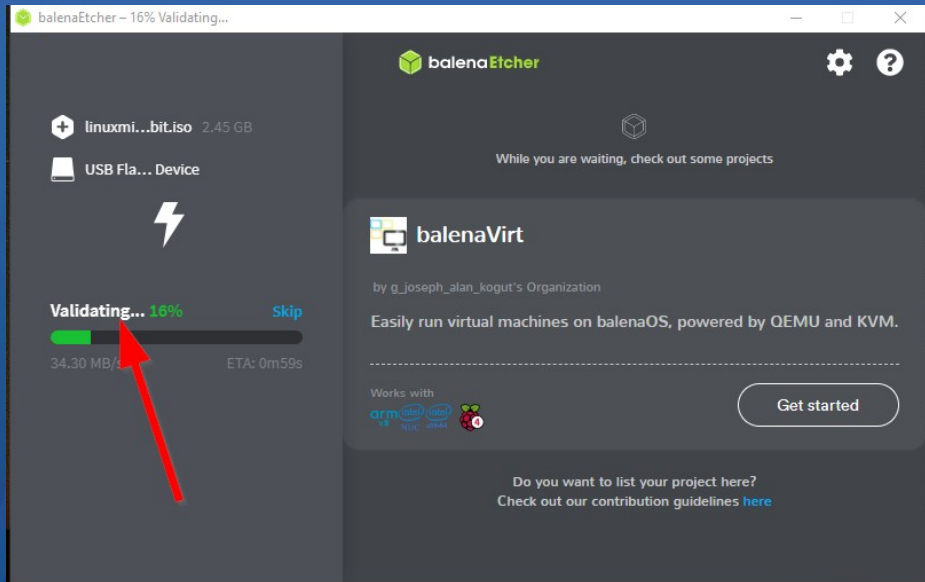
CREATING A LIVE USB

- Etcher will “flash” the USB drive putting the Mint IOS on the drive and making it “bootable”



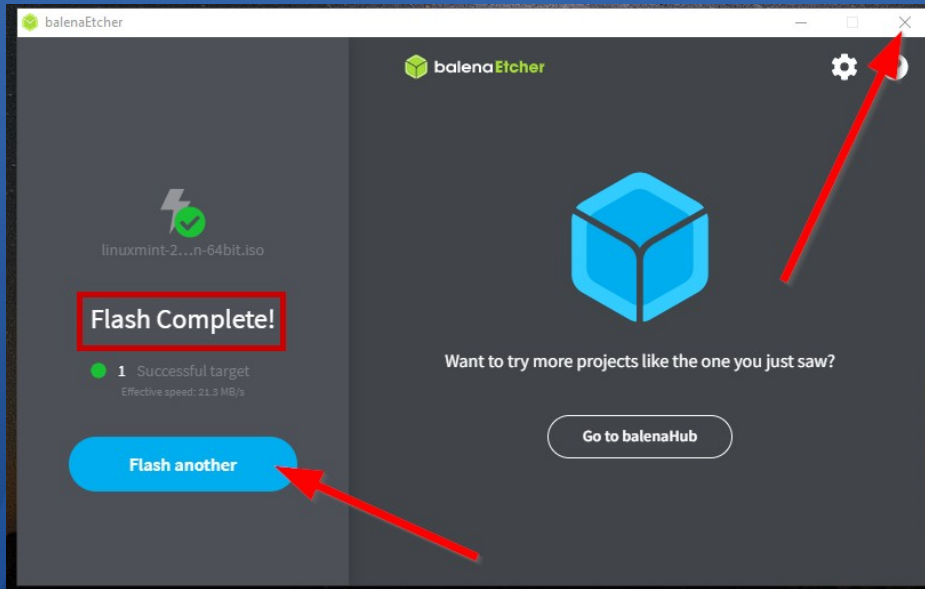
CREATING A LIVE USB

- After flashing, Etcher will “Validate” the flash process



CREATING A LIVE USB

- When finished, you can either flash another USB drive or EXIT



BOOTING TO A USB Drive

- We now turn the workshop over to Cal, where he will share with us “How to Boot to a USB Drive” on your computer (without making any changes to your computer)
- Then Cal will take you on a tour of the Mint operating system that’s running off the USB drive and not your computer’s hard drive