INSTALLING "CHROME OS FLEX"

by Francis Chao
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Web location for this presentation:

http://aztcs.org

Then click on "Meeting Notes"

SUMMARY

You can extend the useful life of an older Windows, Mac, or Linux computer by installing "ChromeOS Flex" into it.
"ChromeOS Flex" is a non-open-source distribution of Linux that is totally free from the Google company.

3

TOPICS

- A Live Demonstration of "ChromeOS Flex"
- Advantages of "ChromeOS Flex"
- Disadvantages of "ChromeOS Flex"
- Using the "Chromebook Recovery Utility" To Make Installation Media
- "Zoom for Chrome" Progressive Web app
- Additional Information

ADVANTAGE OF "CHROMEOS FLEX"

- Super lightweight in terms of computer resource requirements: Architecture: Intel or AMD x86-64-bit compatible device
- RAM: 4 GB
- Internal storage: 16 GB

https://support.google.com/chromeosflex/answer/11552529?hl=en

DISADVANTAGES OF "CHROMEOS FLEX"

- You cannot install the Google "Play Store" into "ChromeOS Flex"
- You cannot install the Android apps into "ChromeOS Flex"
- The USB installation media that you create will block you from installating "ChromeOS Flex" into a virtual machine: You have to install it into a real, physical computer

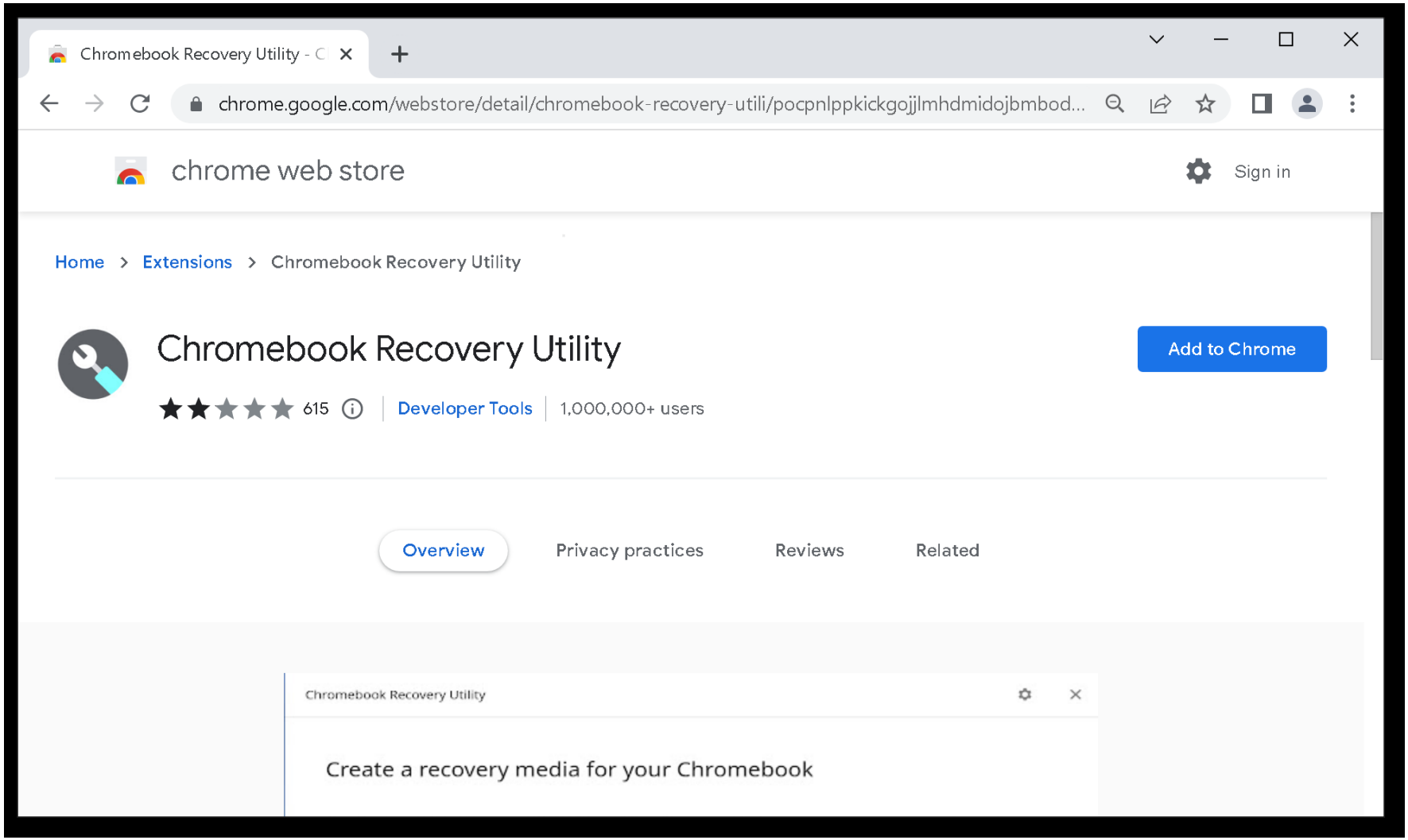
INSTALLING "CHROMEOS FLEX"

- Locate or install the "Google Chrome" Web browser into a Windows 10 computer. (Do not use a Windows 11 computer since the "Chromebook Recovery Utility" does not work right in most Windows 11 computers.)

Google Chrome

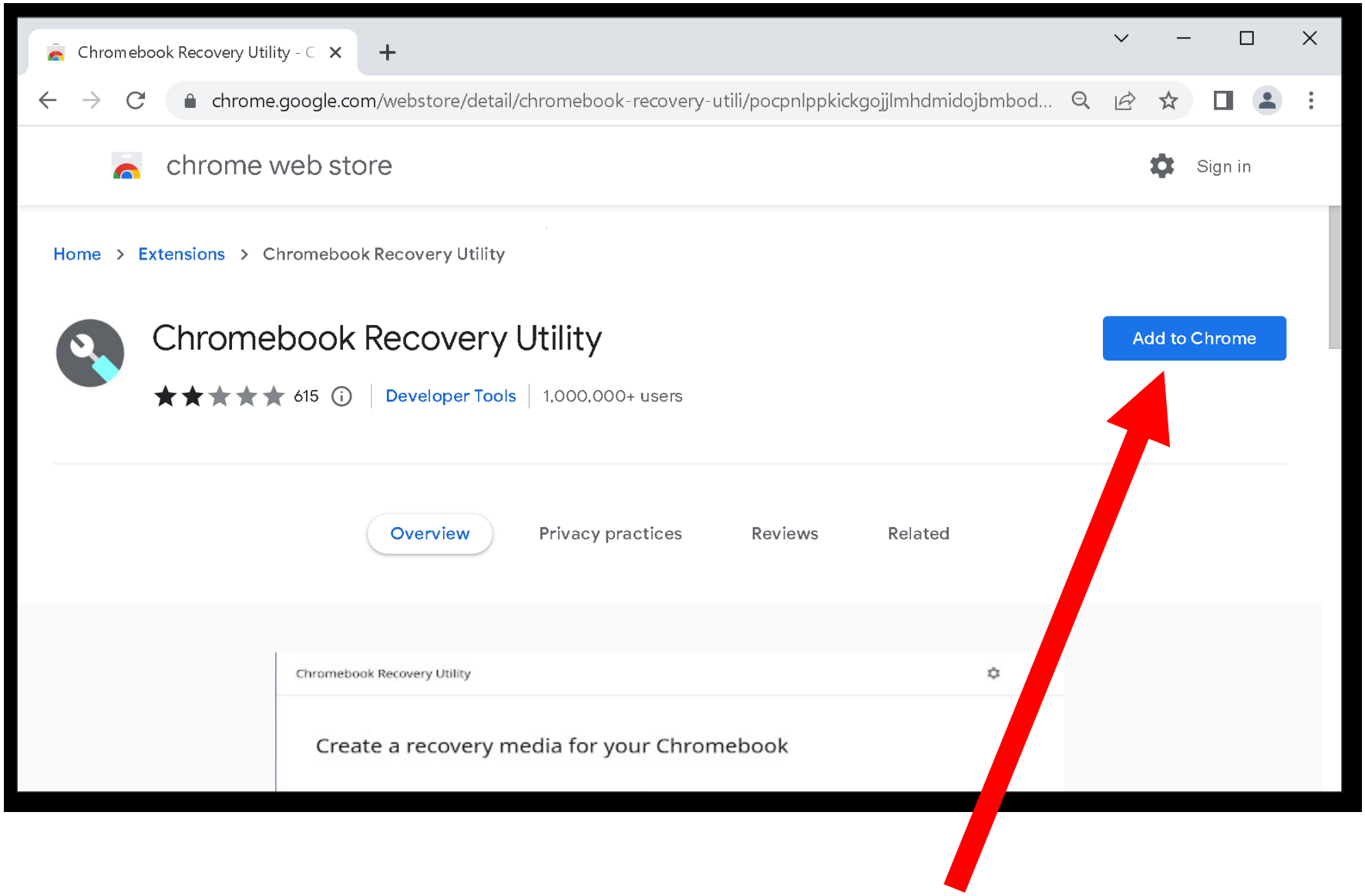
INSTALLING "CHROMEOS FLEX" (continued)

- Using the "Google Chrome" Web browser in a Windows 10 computer, go to https://chrome.google.com/webstore/detail/chromebook-recovery-utili/pocpnlppkickgojjlmhdmidojbmbodfm


Chromebook Recovery Utility - C
chrome.google.com/webstore/detail/chromebook-recovery-utili/pocpnlppkickgojjlmhdmidojbmbod...
chrome web store
Sign in
Home > Extensions > Chromebook Recovery Utility
Chromebook Recovery Utility
Add to Chrome
615
Developer Tools
1,000,000+ users
Overview
Privacy practices
Reviews
Related
Chromebook Recovery Utility
Create a recovery media for your Chromebook

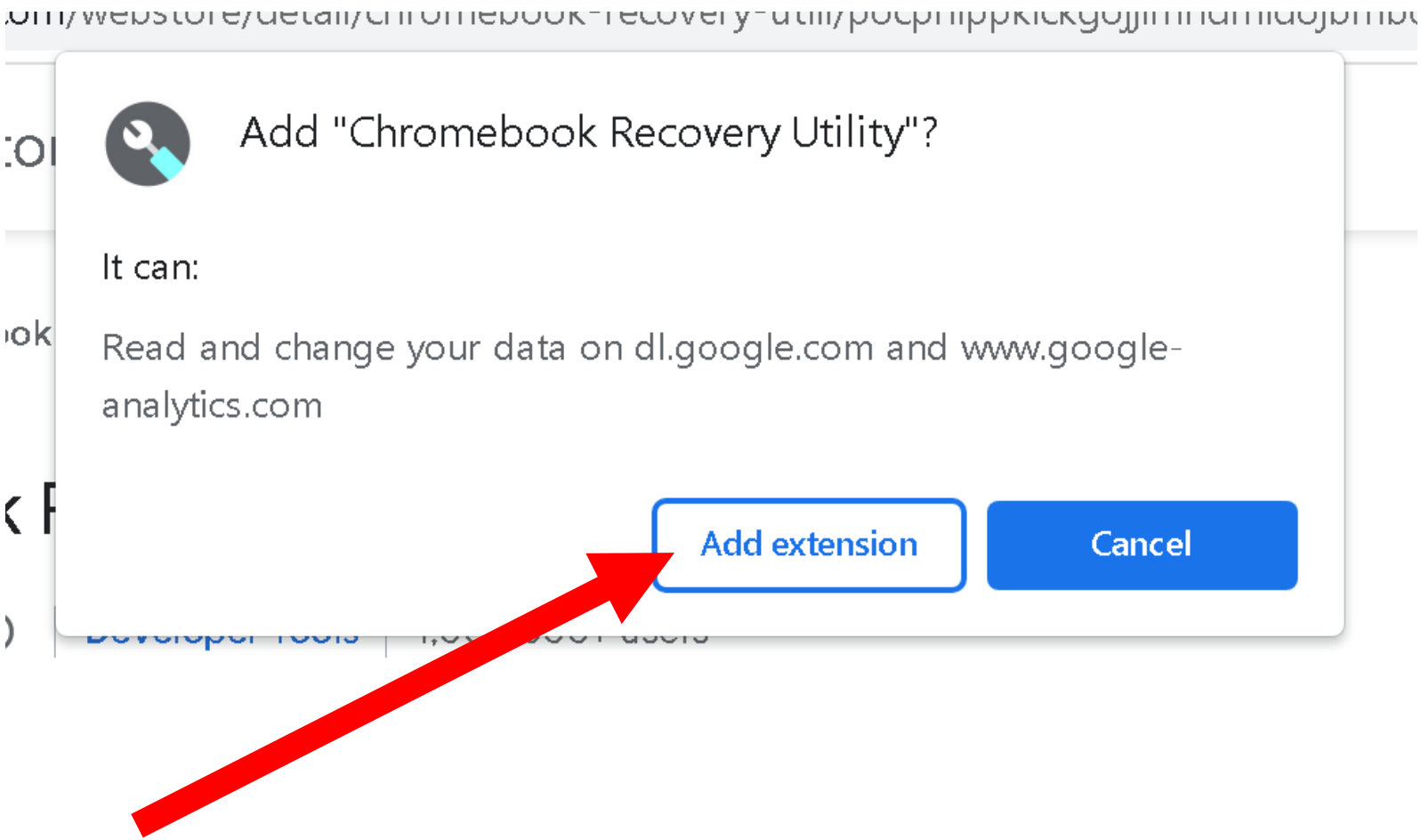
INSTALLING "CHROMEOS FLEX" (continued)

- Use the left mouse button to click on the "Add to Chrome" button


Chromebook Recovery Utility - C
chrome.google.com/webstore/detail/chromebook-recovery-utili/pocpnlppkickgojjlmhdmidojbmbod...
chrome web store
Sign in
Home > Extensions > Chromebook Recovery Utility
Chromebook Recovery Utility
615
Developer Tools
1,000,000+ users
Add to Chrome
Overview
Privacy practices
Reviews
Related
Chromebook Recovery Utility
Create a recovery media for your Chromebook

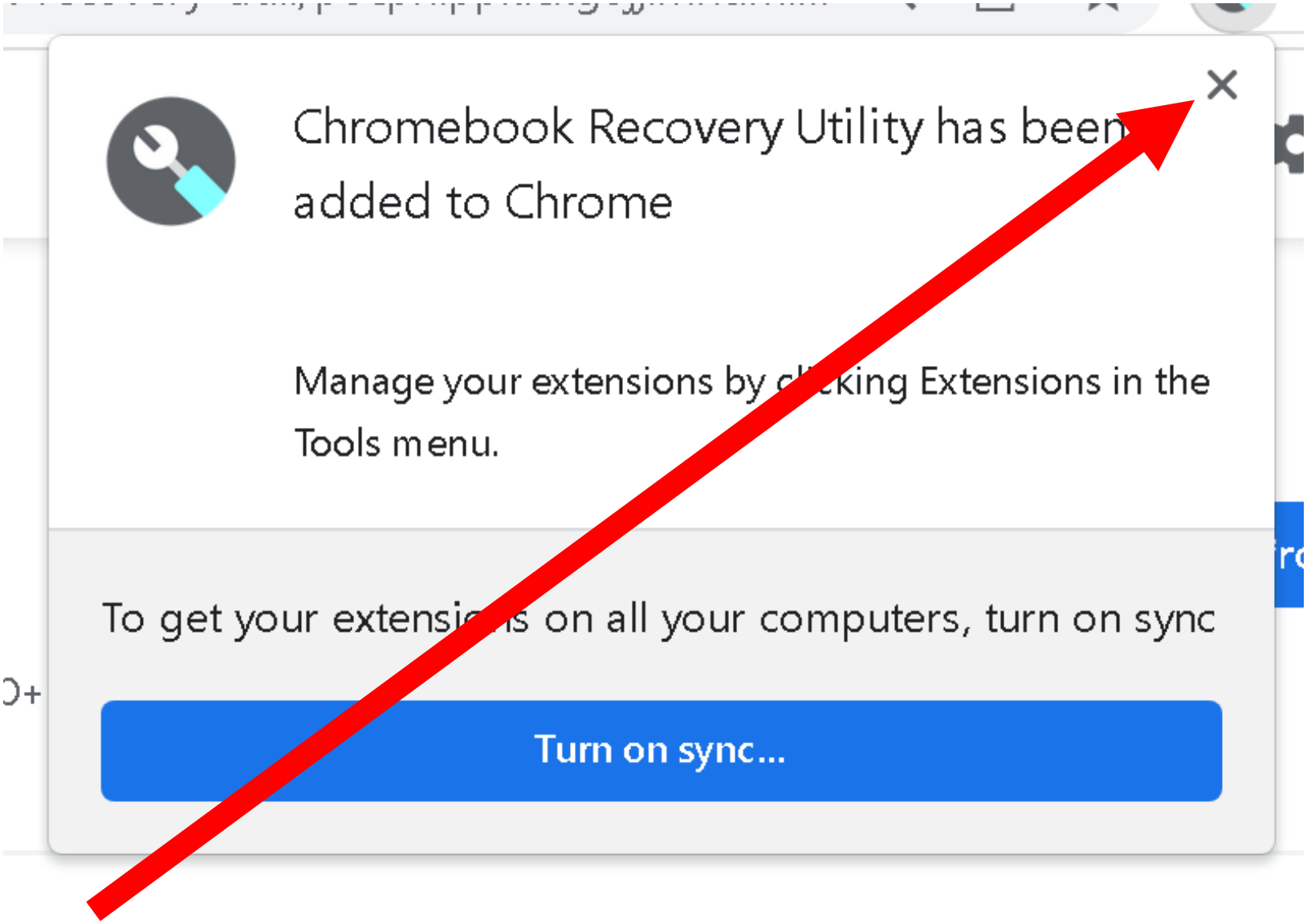
INSTALLING "CHROMEOS FLEX" (continued)

- Use the left mouse button to click on the "Add extension" button:


Add "Chromebook Recovery Utility"?
It can:
Read and change your data on dl.google.com and www.google-analytics.com
Add extension
Cancel

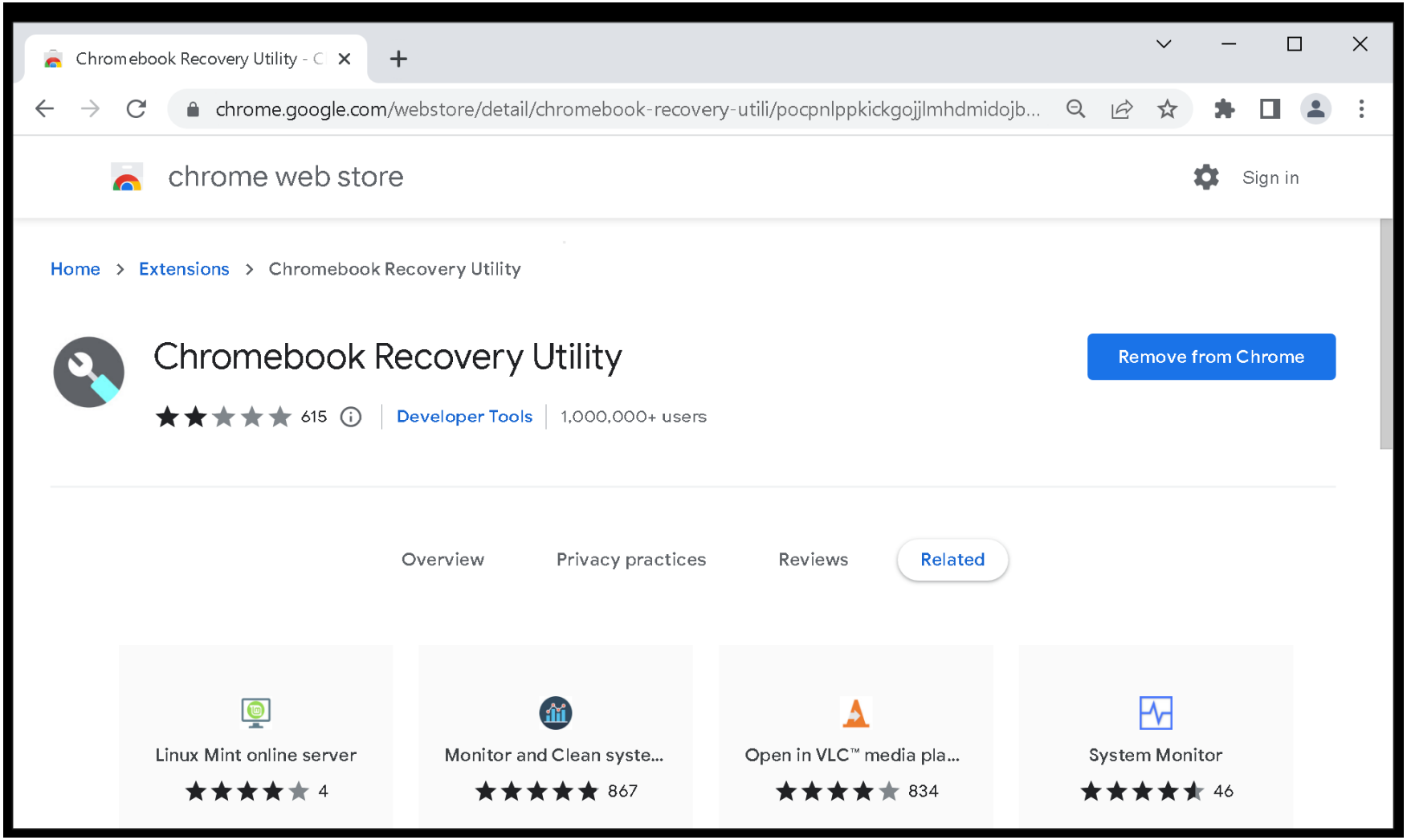
INSTALLING "CHROMEOS FLEX" (continued)

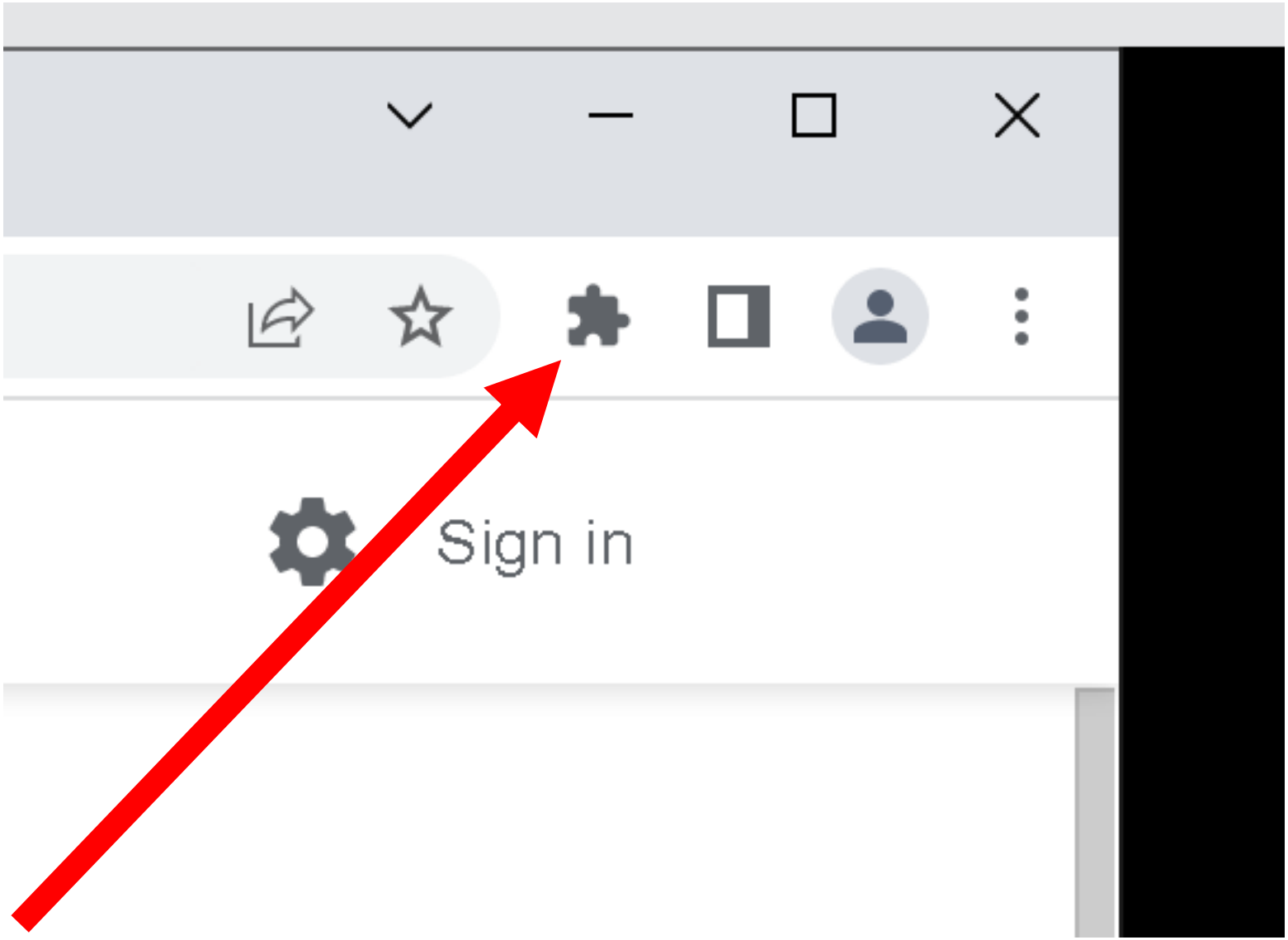
- Use the left mouse button to close the "Turn on sync.." box:


Chromebook Recovery Utility has been added to Chrome
Manage your extensions by clicking Extensions in the Tools menu.
To get your extensions on all your computers, turn on sync
Turn on sync...

INSTALLING "CHROMEOS FLEX" (continued)

- Click on the Extension button that is near the top-right corner of the Google Chrome browser window:


Chromebook Recovery Utility - C
chrome.google.com/webstore/detail/chromebook-recovery-utili/pocpnlppkickgojjlmhdmidojb...
chrome web store
Sign in
Home > Extensions > Chromebook Recovery Utility
Chromebook Recovery Utility
615
Developer Tools
1,000,000+ users
Remove from Chrome
Overview
Privacy practices
Reviews
Related
Linux Mint online server
4
Monitor and Clean syste...
867
Open in VLC™ media pla...
834
System Monitor
46


Sign in

INSTALLING "CHROMEOS FLEX" (continued)

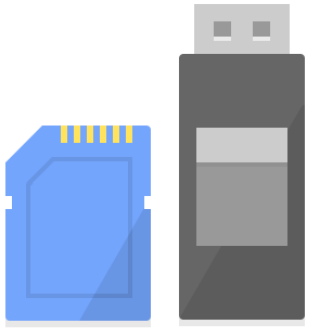
- Use the left mouse button to click on the "Get started" button:

Chromebook Recovery Utility

Chromebook Recovery Utility

Create a recovery media for your Chromebook

You'll need an 8 GB or larger USB flash drive or SD card that you don't mind erasing.



Learn more

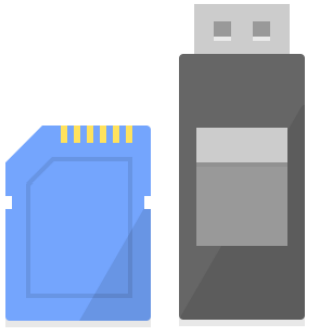
Get started

Chromebook Recovery Utility

Chromebook Recovery Utility

Create a recovery media for your Chromebook

You'll need an 8 GB or larger USB flash drive or SD card that you don't mind erasing.



Learn more

Get started

INSTALLING "CHROMEOS FLEX" (continued)

- Use the left mouse button to click on "Select a model from a list":

Chromebook Recovery Utility

Chromebook Recovery Utility › Step 1 of 3

Identify your Chromebook

Enter the model number of the Chromebook to recover. It can be found on the recovery screen.

e.g. LINK DALE A-C 1126

Select a model from a list

Learn more

Go back | Continue

Chromebook Recovery Utility

Chromebook Recovery Utility › Step 1 of 3

Identify your Chromebook

Enter the model number of the Chromebook to recover. It can be found on the recovery screen.

e.g. LINK DALE A-C 1126

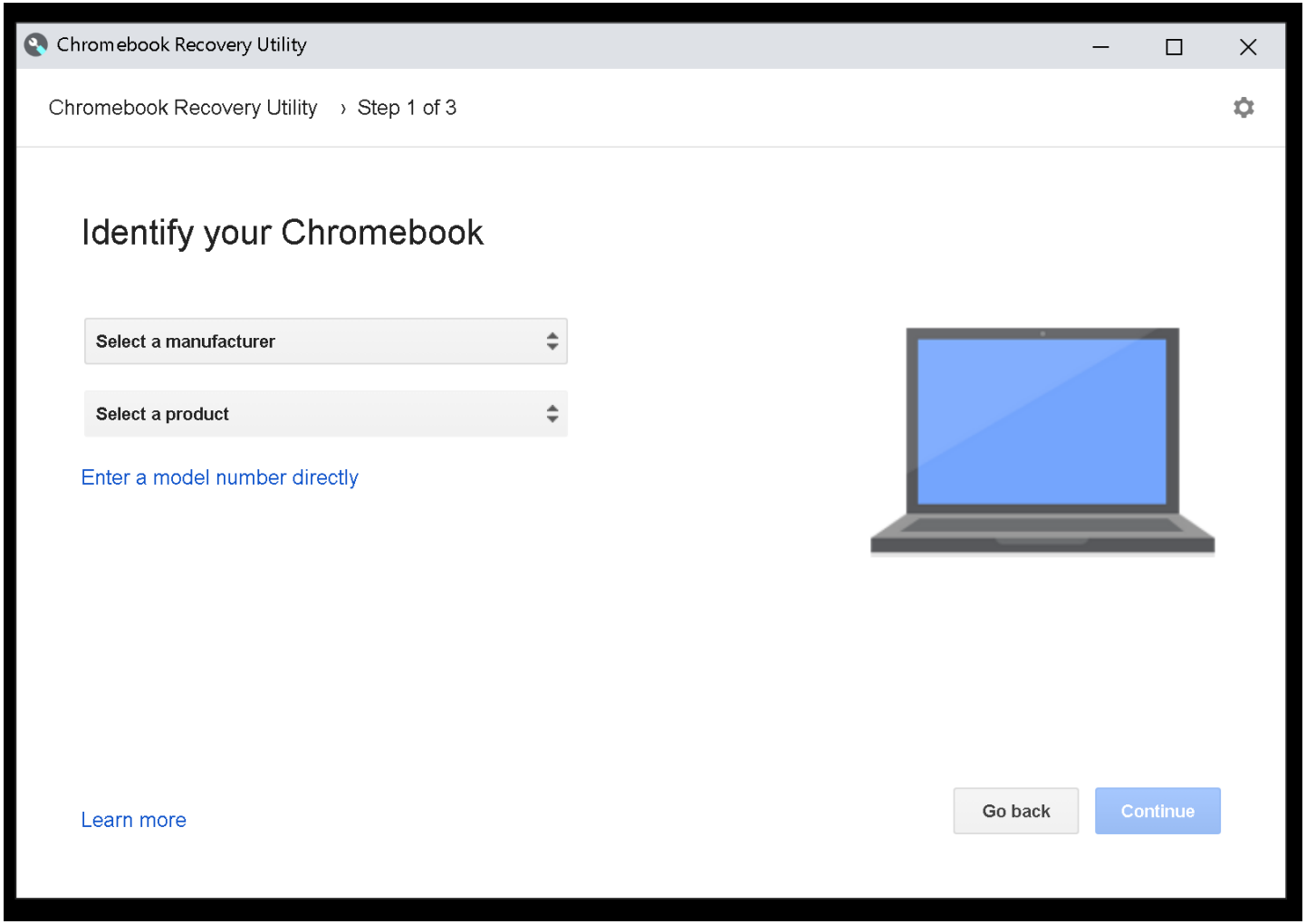
Select a model from a list

Learn more

Go back Continue

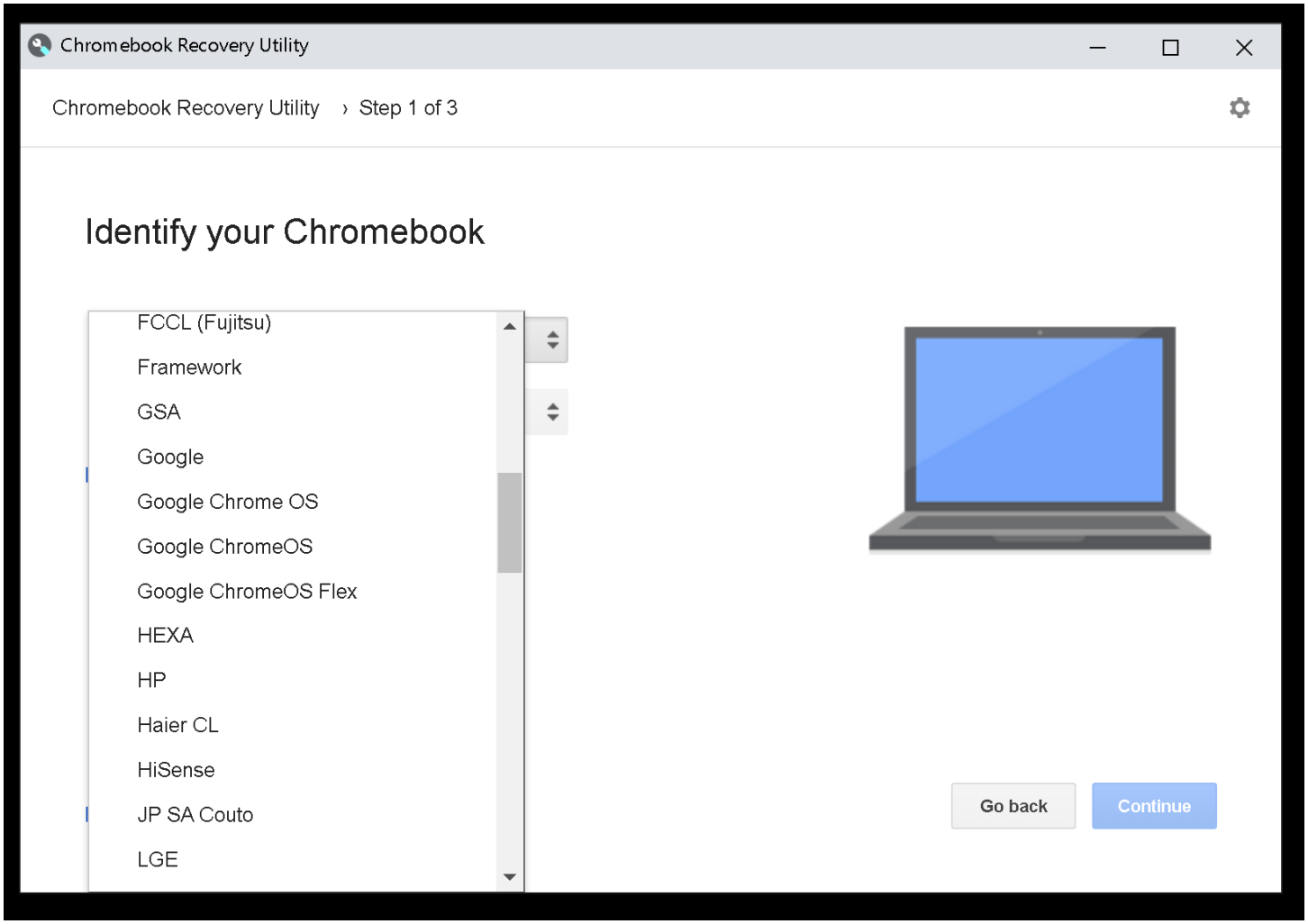
INSTALLING "CHROMEOS FLEX" (continued)

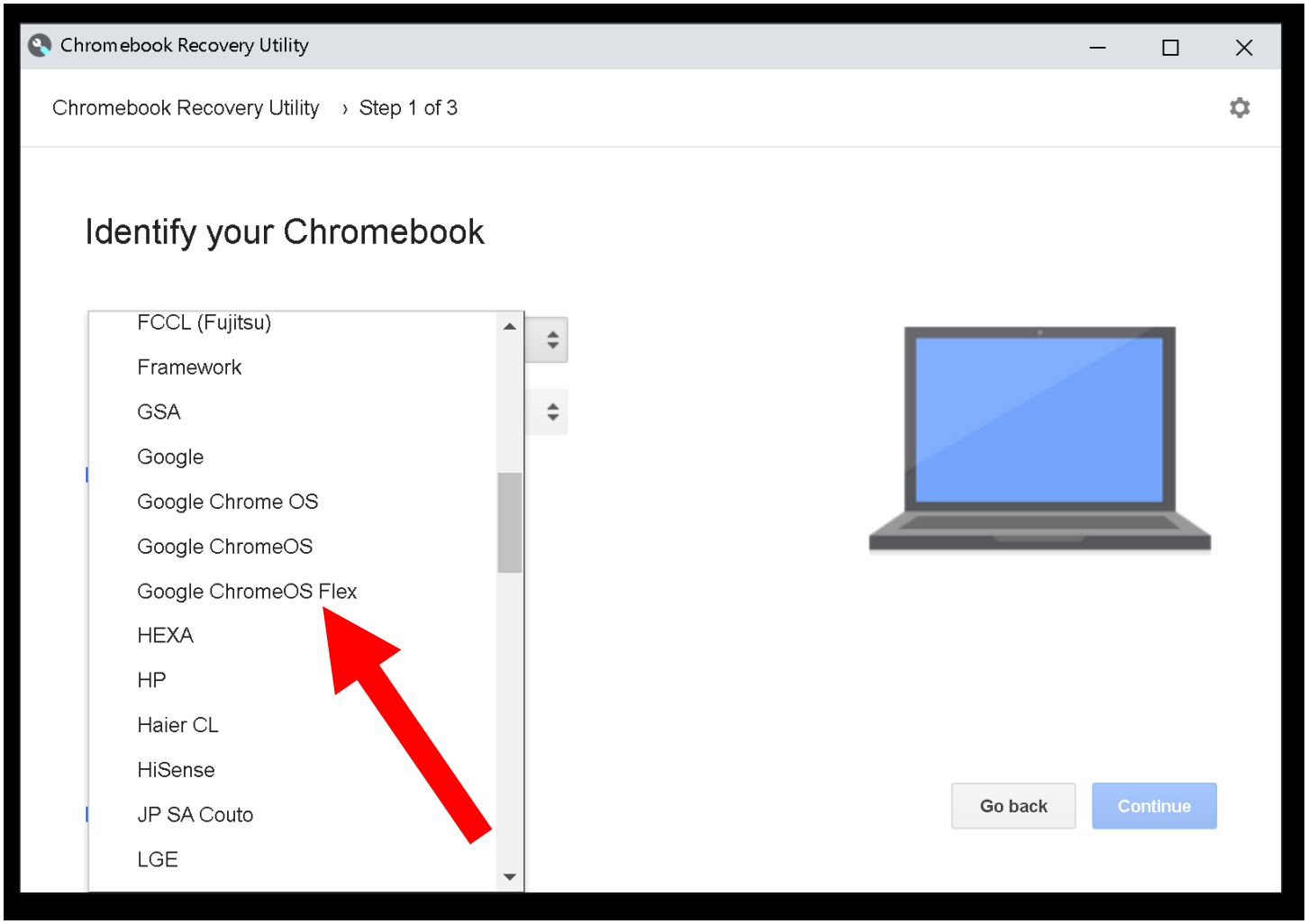
- Use the left mouse button to click on "Select a manufacturer":


Chromebook Recovery Utility
Chromebook Recovery Utility › Step 1 of 3
Identify your Chromebook
Select a manufacturer
Select a product
Enter a model number directly
Learn more
Go back
Continue

INSTALLING "CHROMEOS FLEX" (continued)

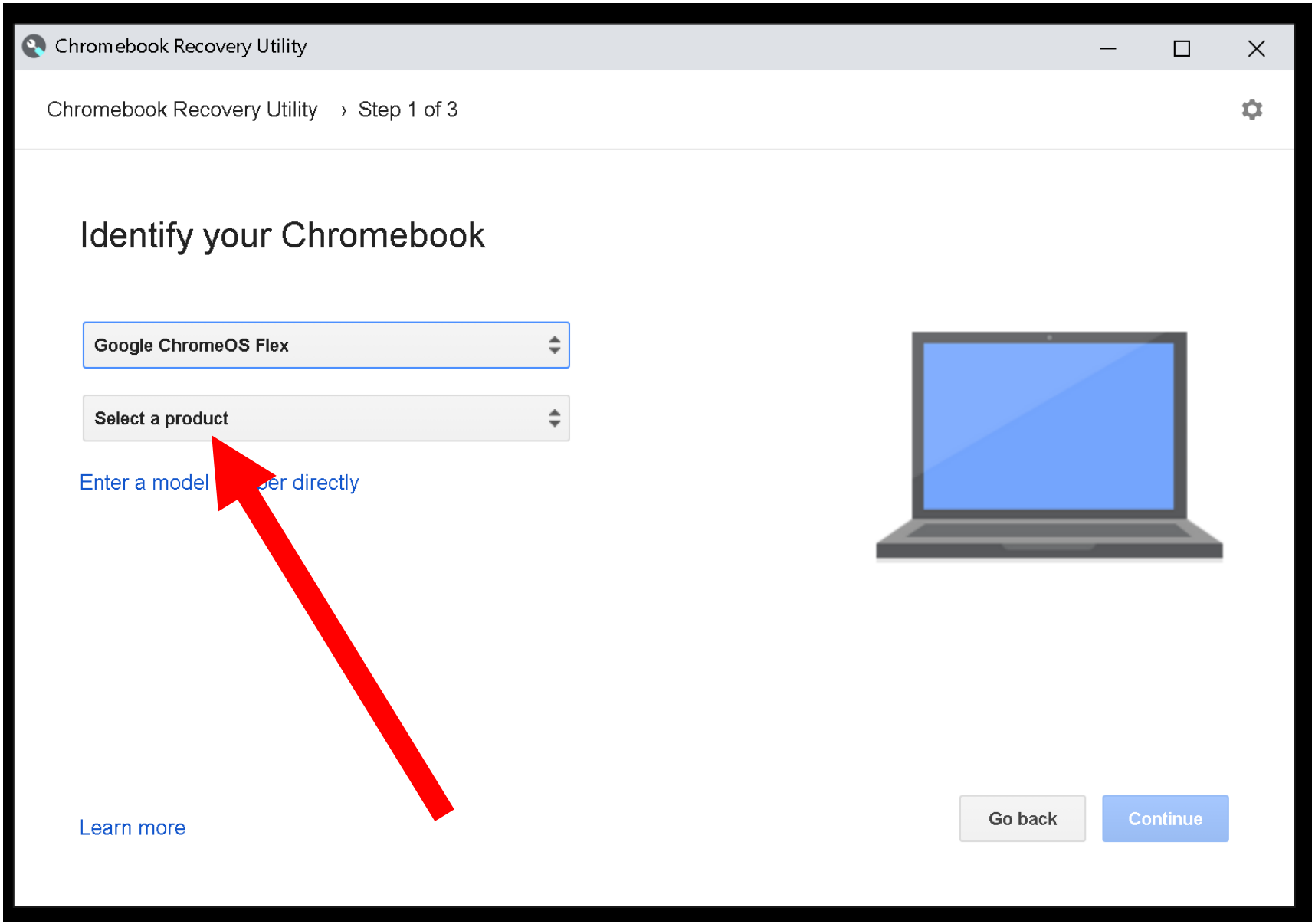
- Use the left mouse button to click on "Google ChromeOS Flex":


Chromebook Recovery Utility
Chromebook Recovery Utility › Step 1 of 3
Identify your Chromebook
FCCL (Fujitsu)
Framework
GSA
Google
Google Chrome OS
Google ChromeOS
Google ChromeOS Flex
HEXA
HP
Haier CL
HiSense
JP SA Couto
LGE
Go back
Continue


Chromebook Recovery Utility
Chromebook Recovery Utility › Step 1 of 3
Identify your Chromebook
FCCL (Fujitsu)
Framework
GSA
Google
Google Chrome OS
Google ChromeOS
Google ChromeOS Flex
HEXA
HP
Haier CL
HiSense
JP SA Couto
LGE
Go back
Continue

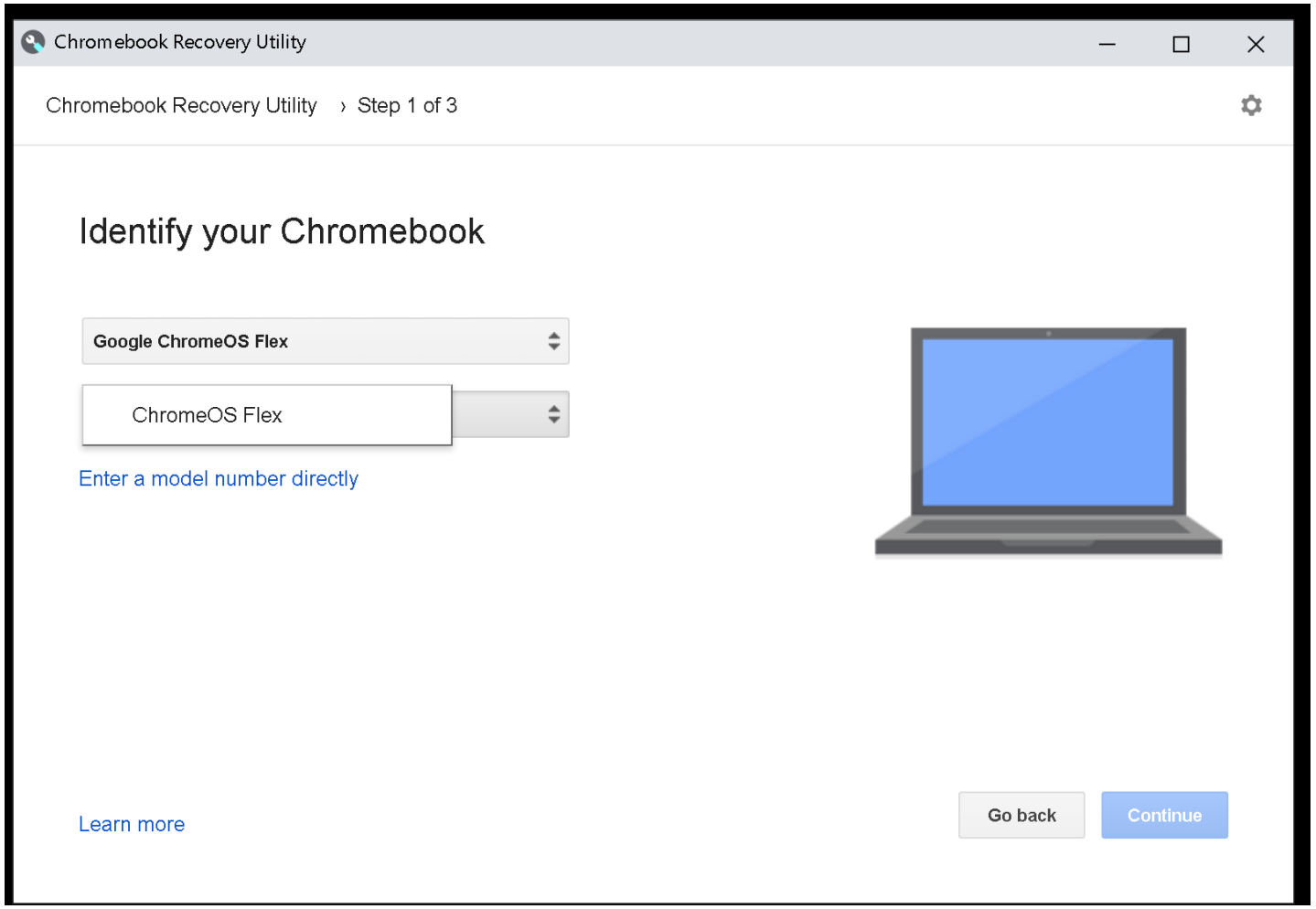
INSTALLING "CHROMEOS FLEX" (continued)

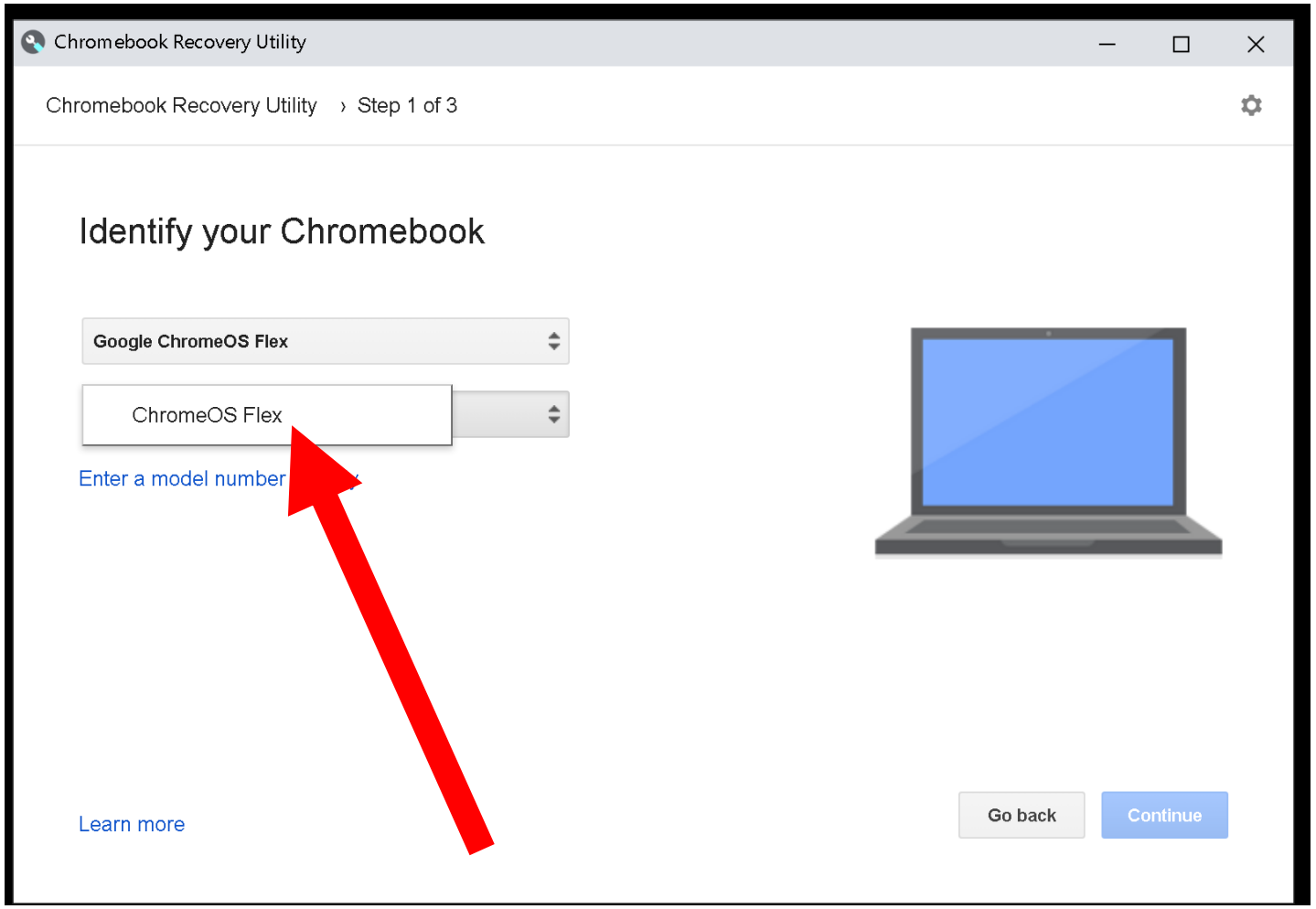
- Use the left mouse button to click on "Select a product":


Chromebook Recovery Utility
Chromebook Recovery Utility › Step 1 of 3
Identify your Chromebook
Google ChromeOS Flex
Select a product
Enter a model number directly
Learn more
Go back
Continue

INSTALLING "CHROMEOS FLEX" (continued)

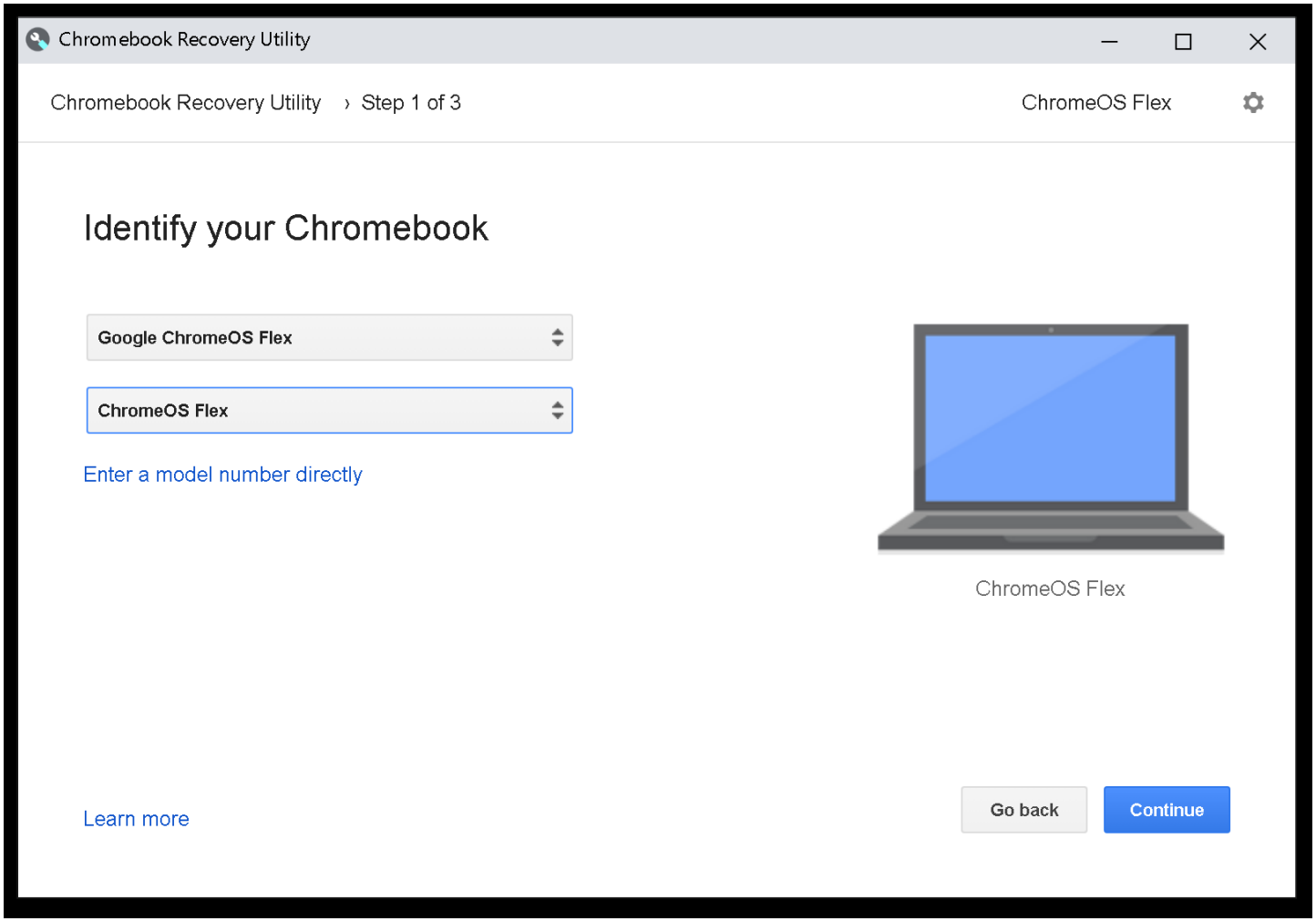
- Use the left mouse button to click on "ChromeOS Flex":

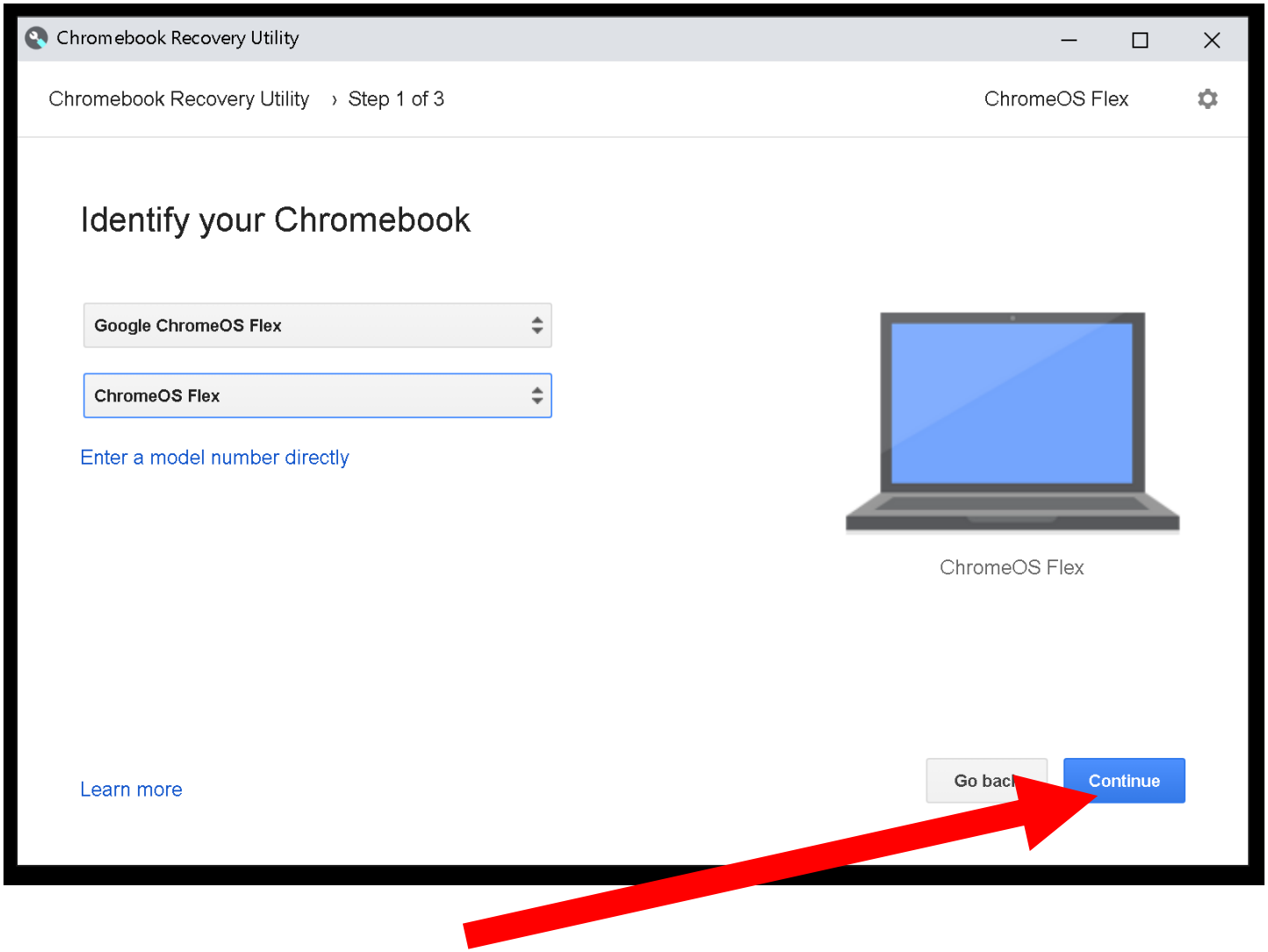

Chromebook Recovery Utility
Chromebook Recovery Utility › Step 1 of 3
Identify your Chromebook
Google ChromeOS Flex
ChromeOS Flex
Enter a model number directly
Learn more
Go back
Continue


Chromebook Recovery Utility
Chromebook Recovery Utility › Step 1 of 3
Identify your Chromebook
Google ChromeOS Flex
ChromeOS Flex
Enter a model number
Learn more
Go back
Continue

INSTALLING "CHROMEOS FLEX" (continued)

- Click on the Continue button:


Chromebook Recovery Utility
Chromebook Recovery Utility › Step 1 of 3
ChromeOS Flex
Identify your Chromebook
Google ChromeOS Flex
ChromeOS Flex
Enter a model number directly
ChromeOS Flex
Learn more
Go back
Continue

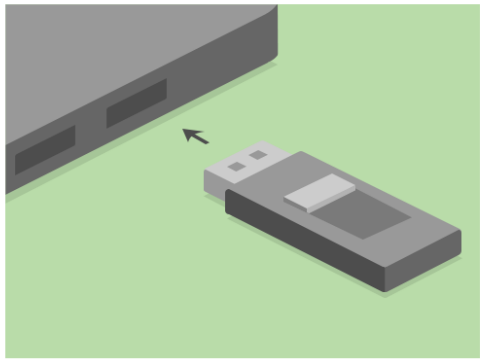

Chromebook Recovery Utility
Chromebook Recovery Utility › Step 1 of 3
ChromeOS Flex
Identify your Chromebook
Google ChromeOS Flex
ChromeOS Flex
Enter a model number directly
ChromeOS Flex
Learn more
Go back
Continue

Chromebook Recovery Utility

Chromebook Recovery Utility › Step 2 of 3 ChromeOS Flex

Insert your USB flash drive or SD card

No USB drives or SD cards found



Learn more

Go back Continue

INSTALLING "CHROMEOS FLEX" (continued)

- Insert a 8 Gigabyte or larger USB flash drive or USB SSD into a USB port of the computer. This USB device must have been previously formatted with the "FAT16" file format:

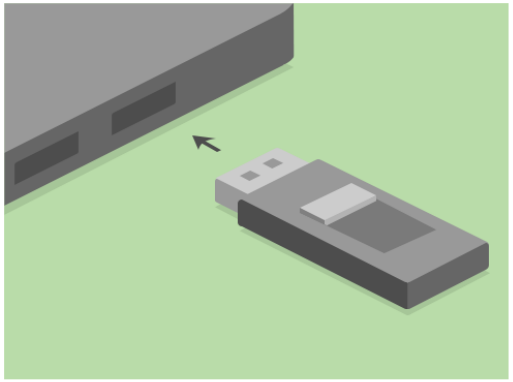
Chromebook Recovery Utility

Chromebook Recovery Utility › Step 2 of 3 ChromeOS Flex

Insert your USB flash drive or SD card

Select the media you'd like to use.

Select

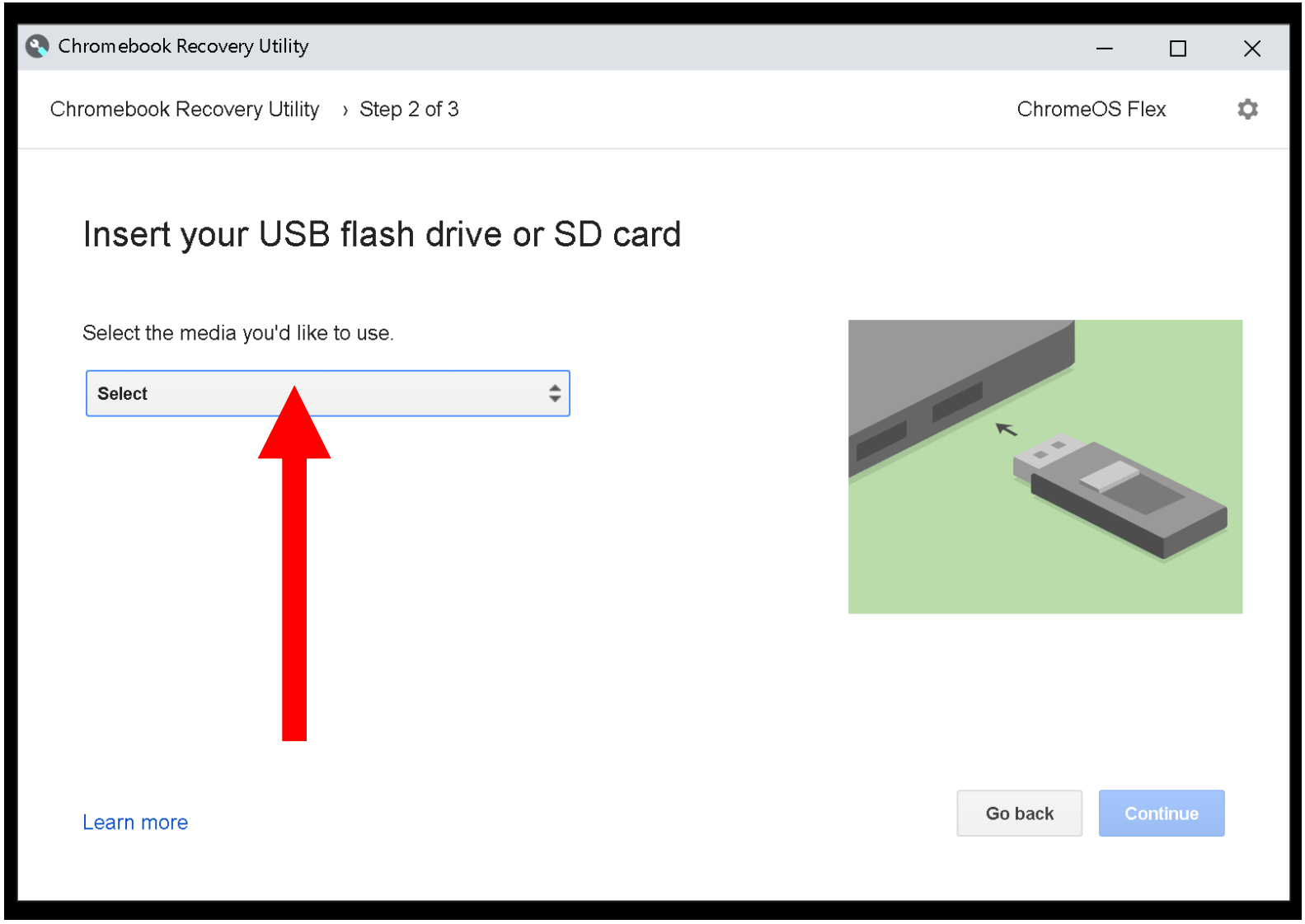


Learn more

Go back Continue

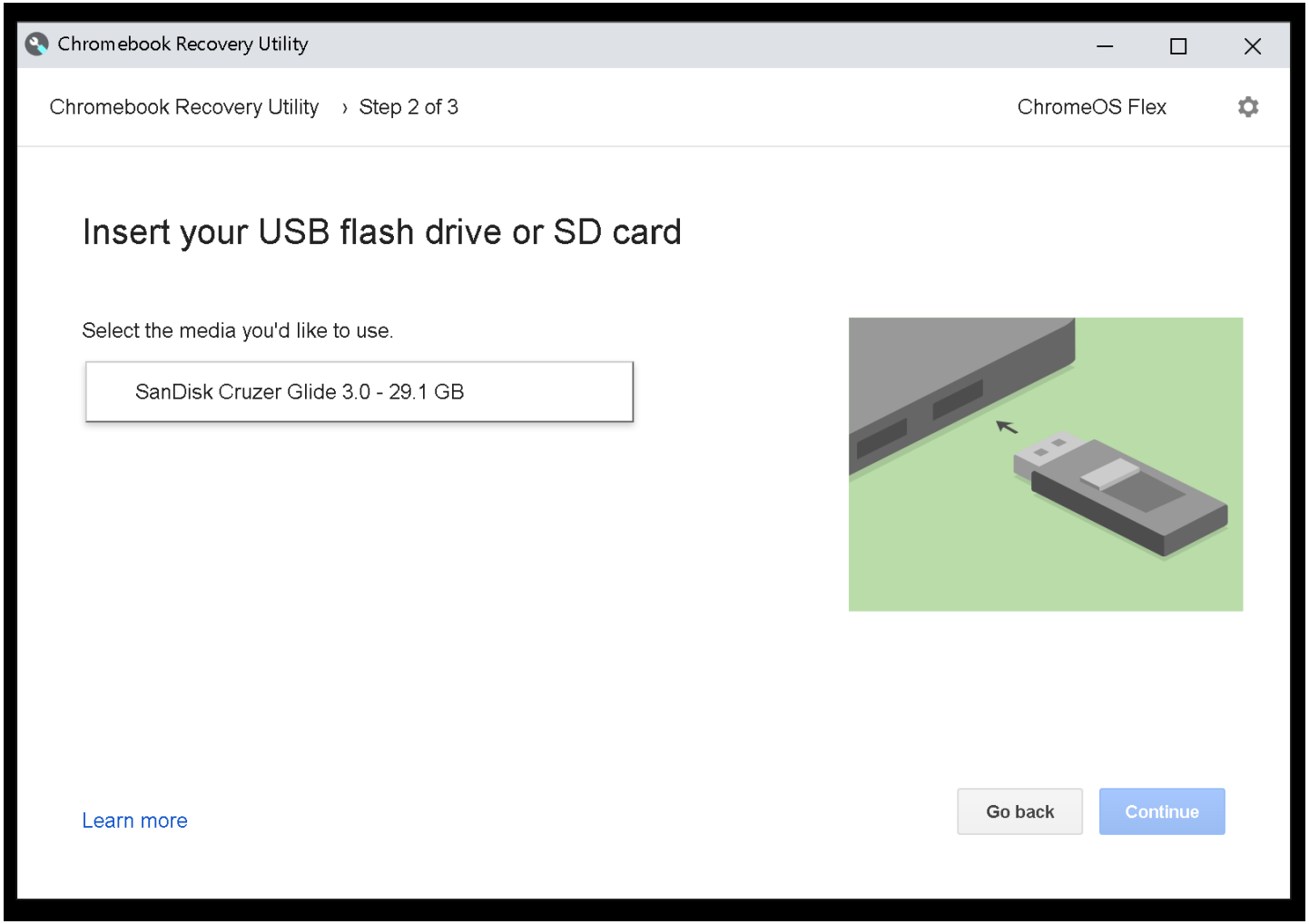
INSTALLING "CHROMEOS FLEX" (continued)

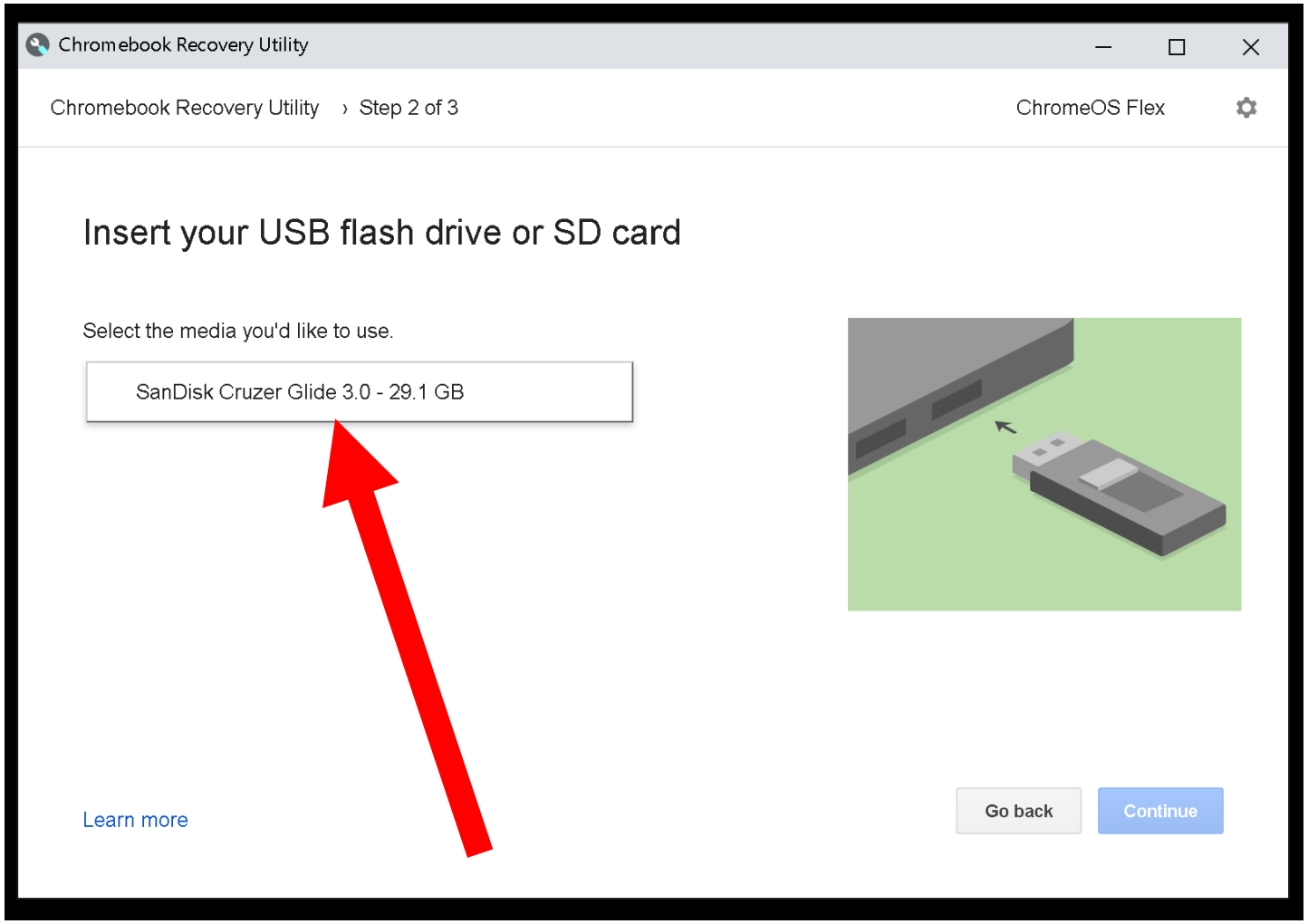
- Use the left mouse button to click on "Select":


Chromebook Recovery Utility
Chromebook Recovery Utility › Step 2 of 3
ChromeOS Flex
Insert your USB flash drive or SD card
Select the media you'd like to use.
Select
Learn more
Go back
Continue

INSTALLING "CHROMEOS FLEX" (continued)

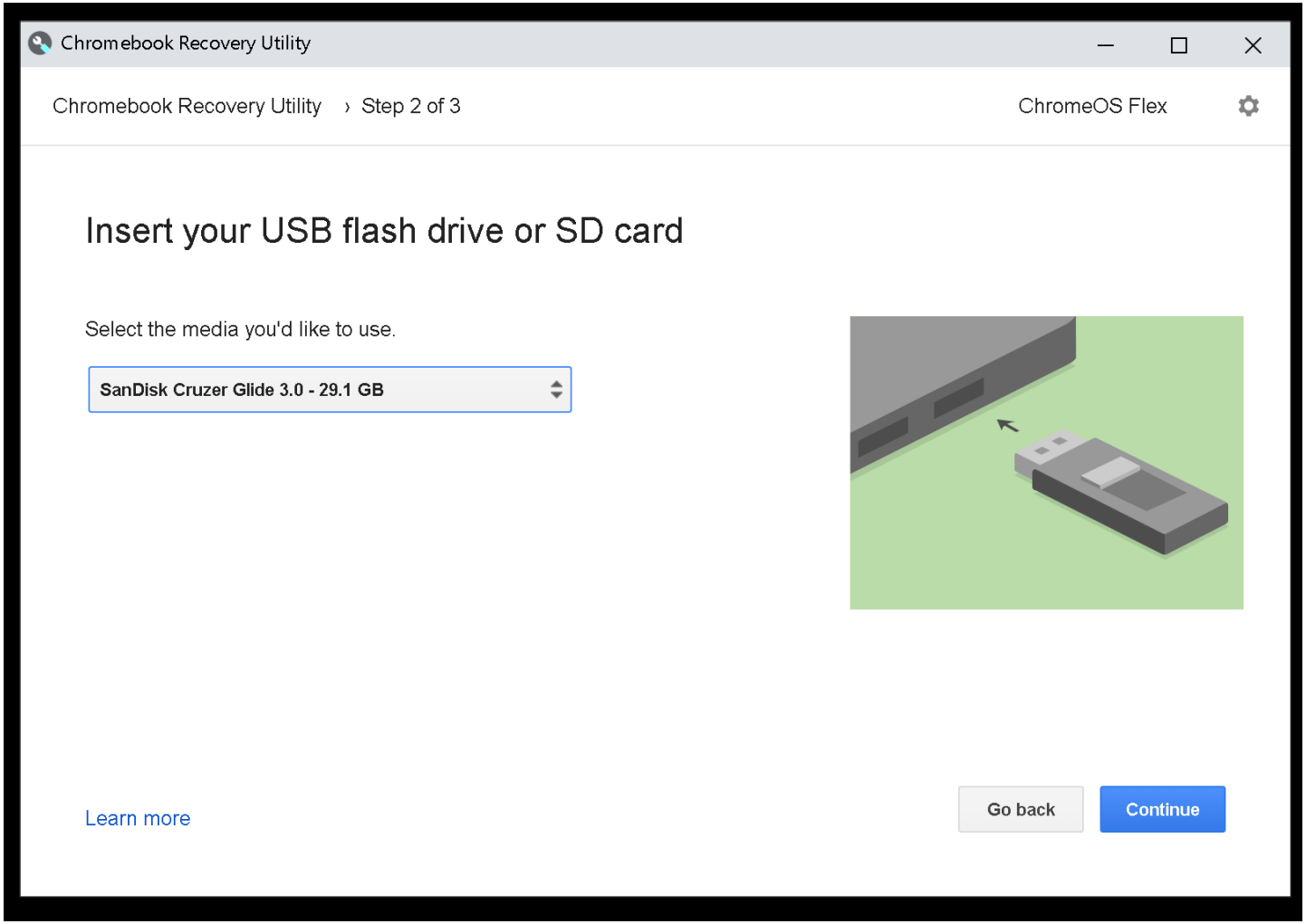
- Use the left mouse button to click on name of the USB flash drive that you wish to make into a bootable installation media device for installing "Chromebook Flex" into ANOTHER computer:

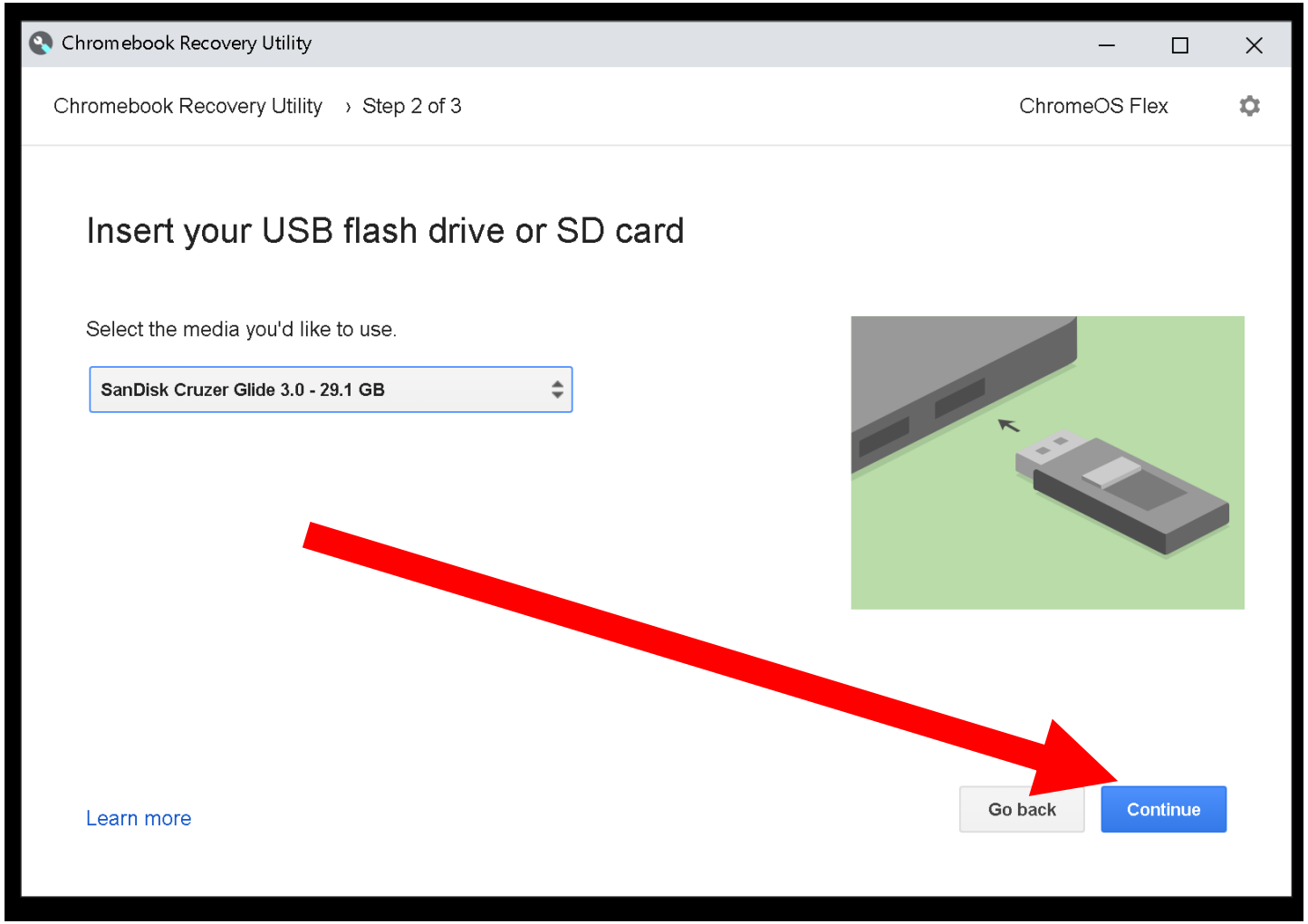

Chromebook Recovery Utility
Chromebook Recovery Utility › Step 2 of 3
ChromeOS Flex
Insert your USB flash drive or SD card
Select the media you'd like to use.
SanDisk Cruzer Glide 3.0 - 29.1 GB
Learn more
Go back
Continue


Chromebook Recovery Utility
Chromebook Recovery Utility › Step 2 of 3
ChromeOS Flex
Insert your USB flash drive or SD card
Select the media you'd like to use.
SanDisk Cruzer Glide 3.0 - 29.1 GB
Learn more
Go back
Continue

INSTALLING "CHROMEOS FLEX" (continued)

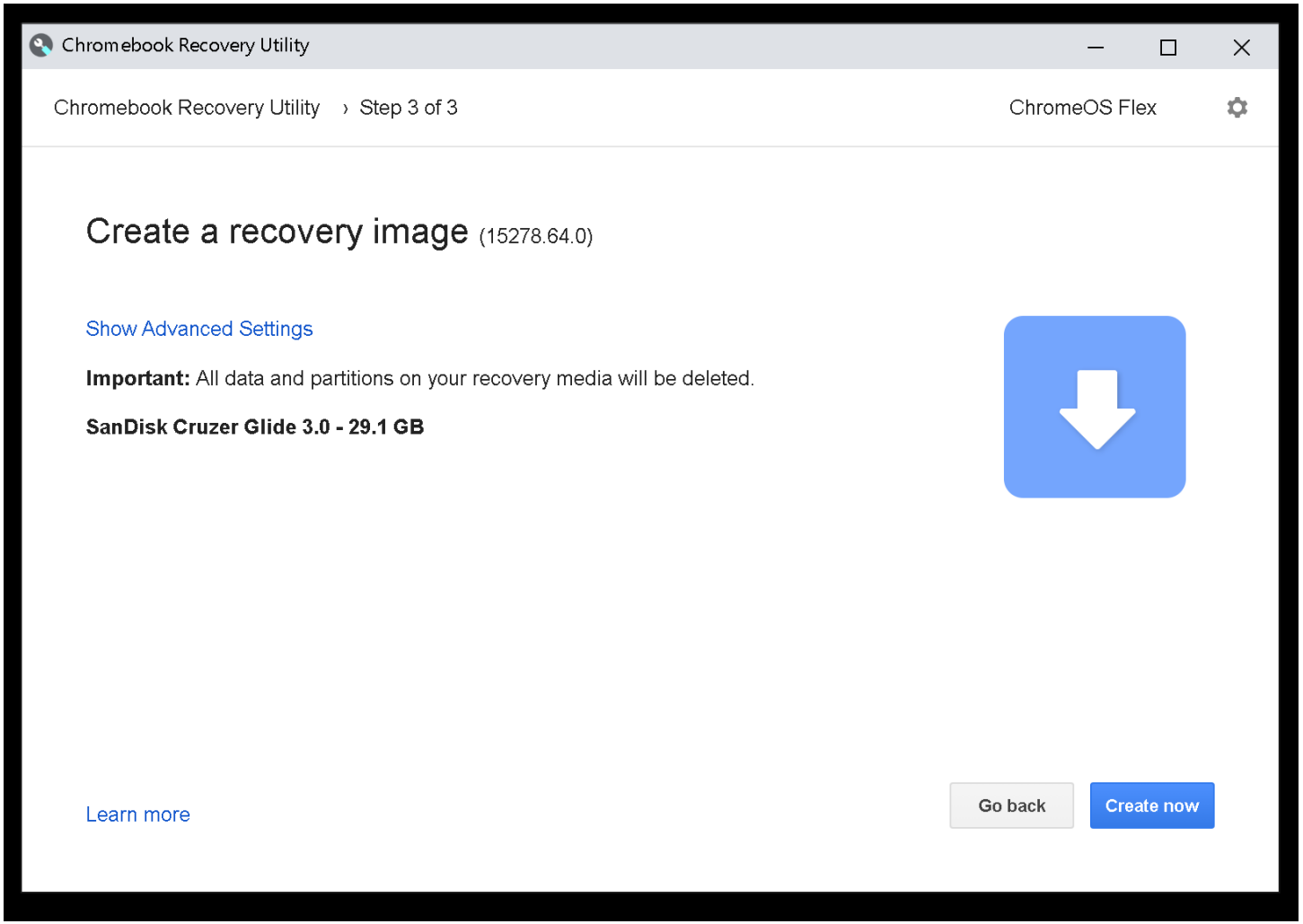
- Click on the "Confirm" button:

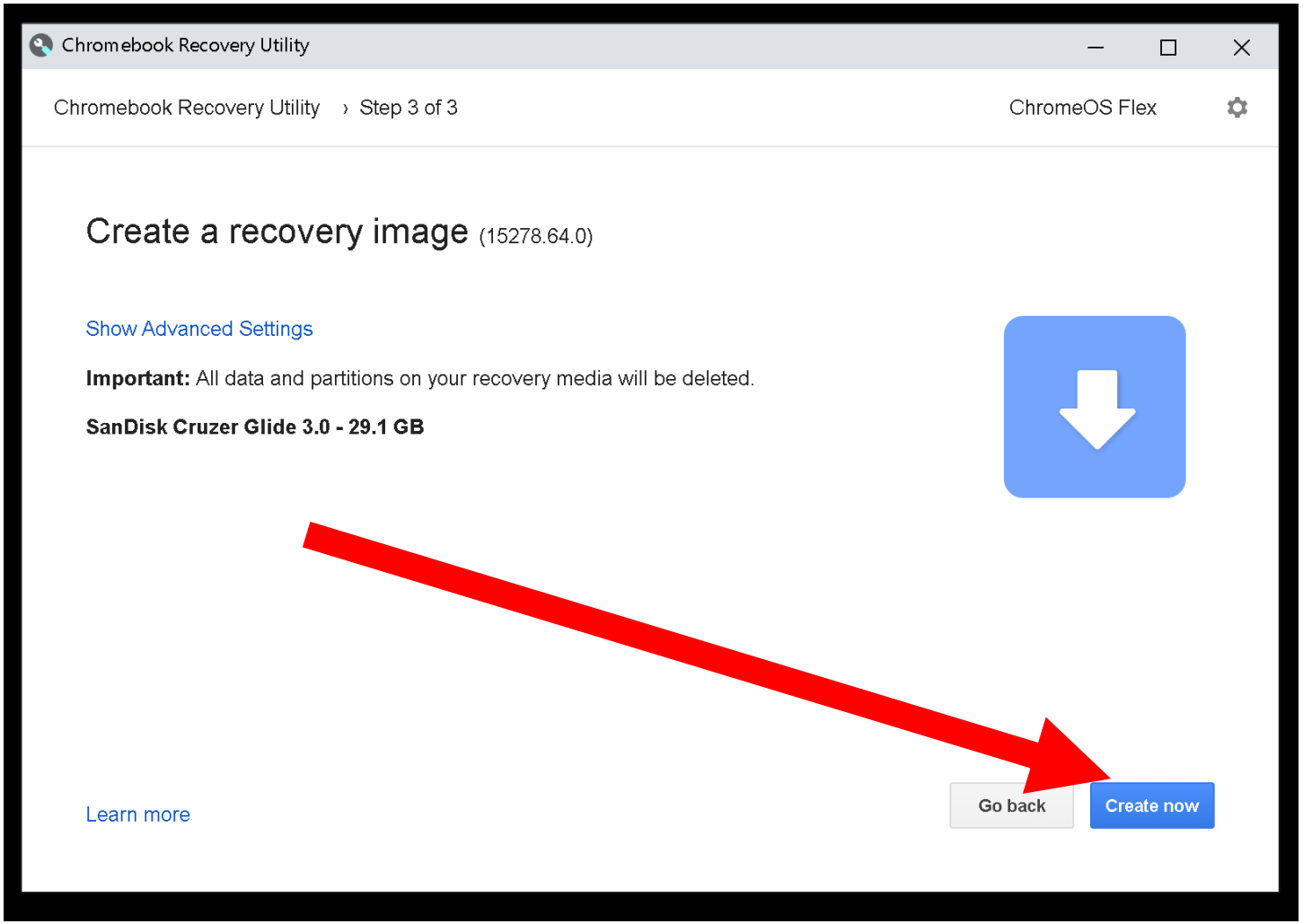

Chromebook Recovery Utility
Chromebook Recovery Utility › Step 2 of 3
ChromeOS Flex
Insert your USB flash drive or SD card
Select the media you'd like to use.
SanDisk Cruzer Glide 3.0 - 29.1 GB
Learn more
Go back
Continue

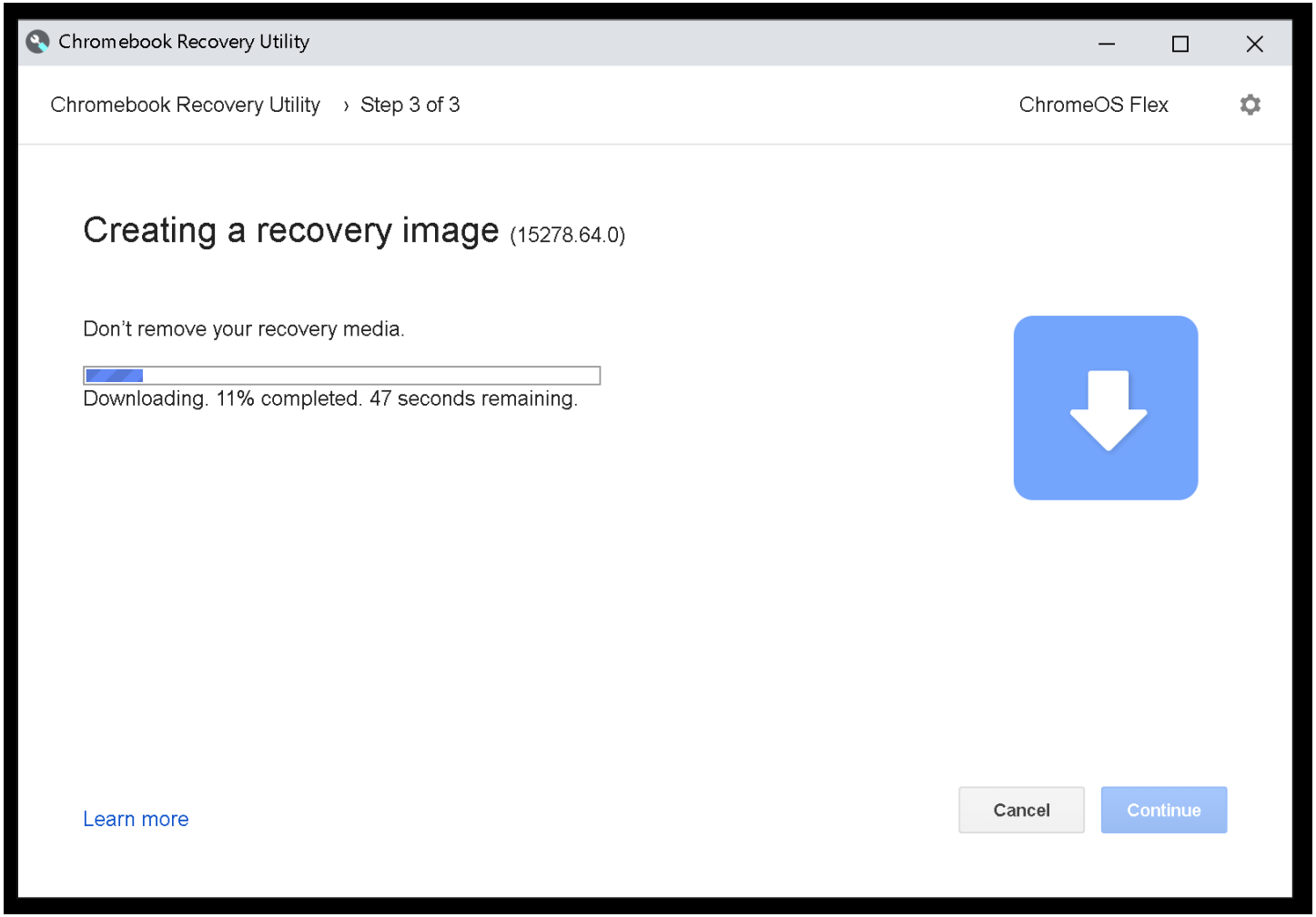

Chromebook Recovery Utility
Chromebook Recovery Utility › Step 2 of 3
ChromeOS Flex
Insert your USB flash drive or SD card
Select the media you'd like to use.
SanDisk Cruzer Glide 3.0 - 29.1 GB
Learn more
Go back
Continue

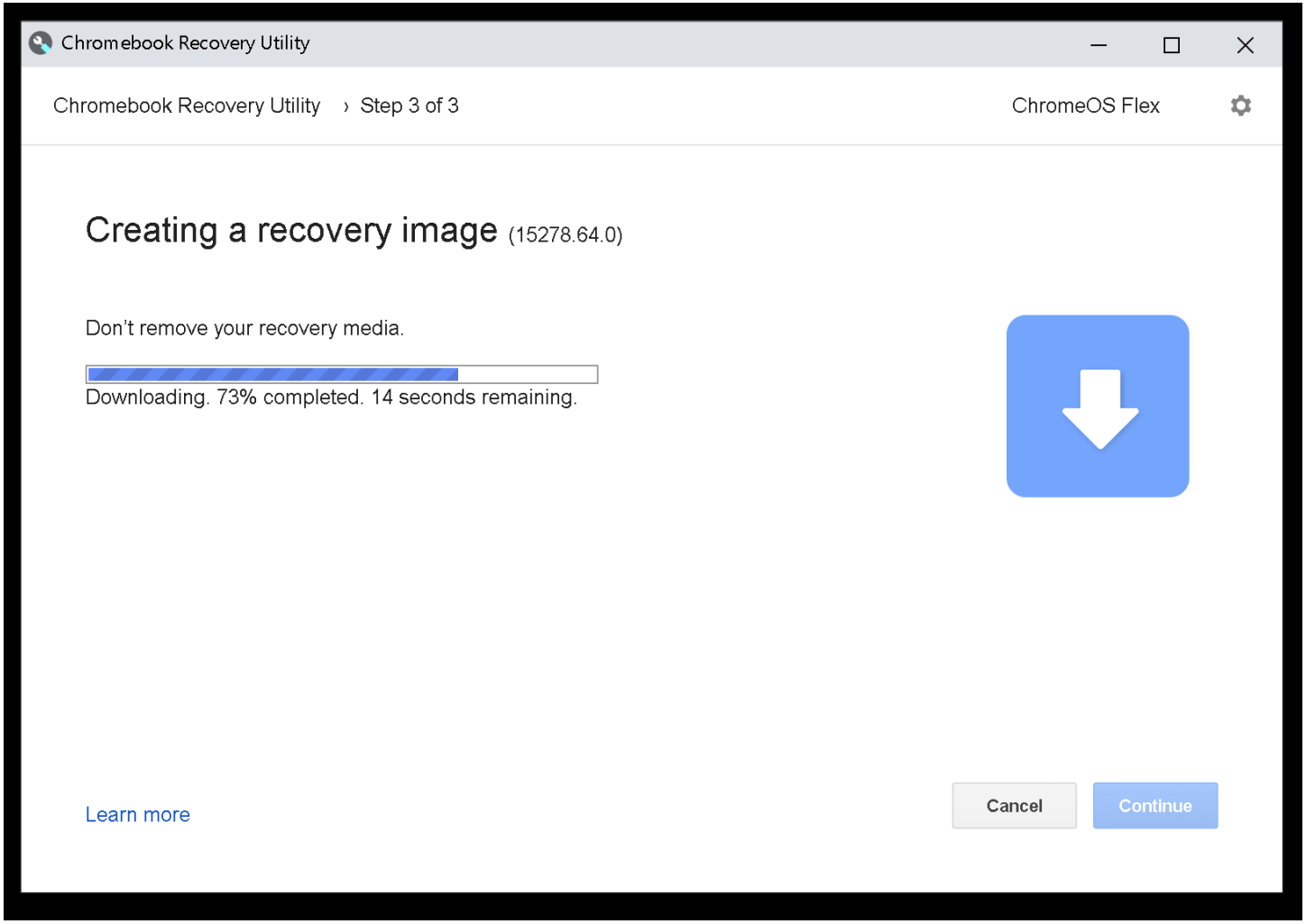
INSTALLING "CHROMEOS FLEX" (continued)

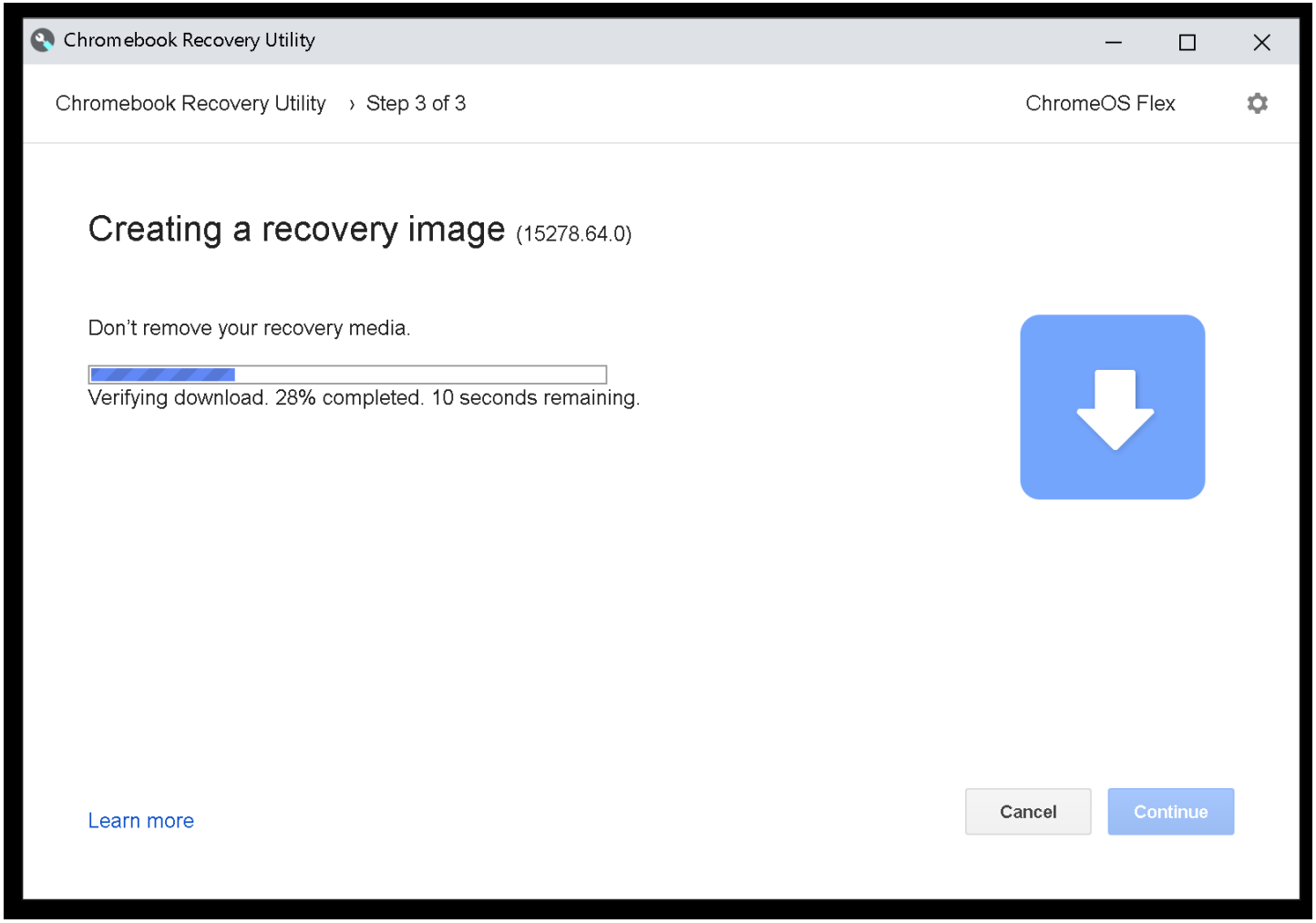
- Click on the "Create now" button:

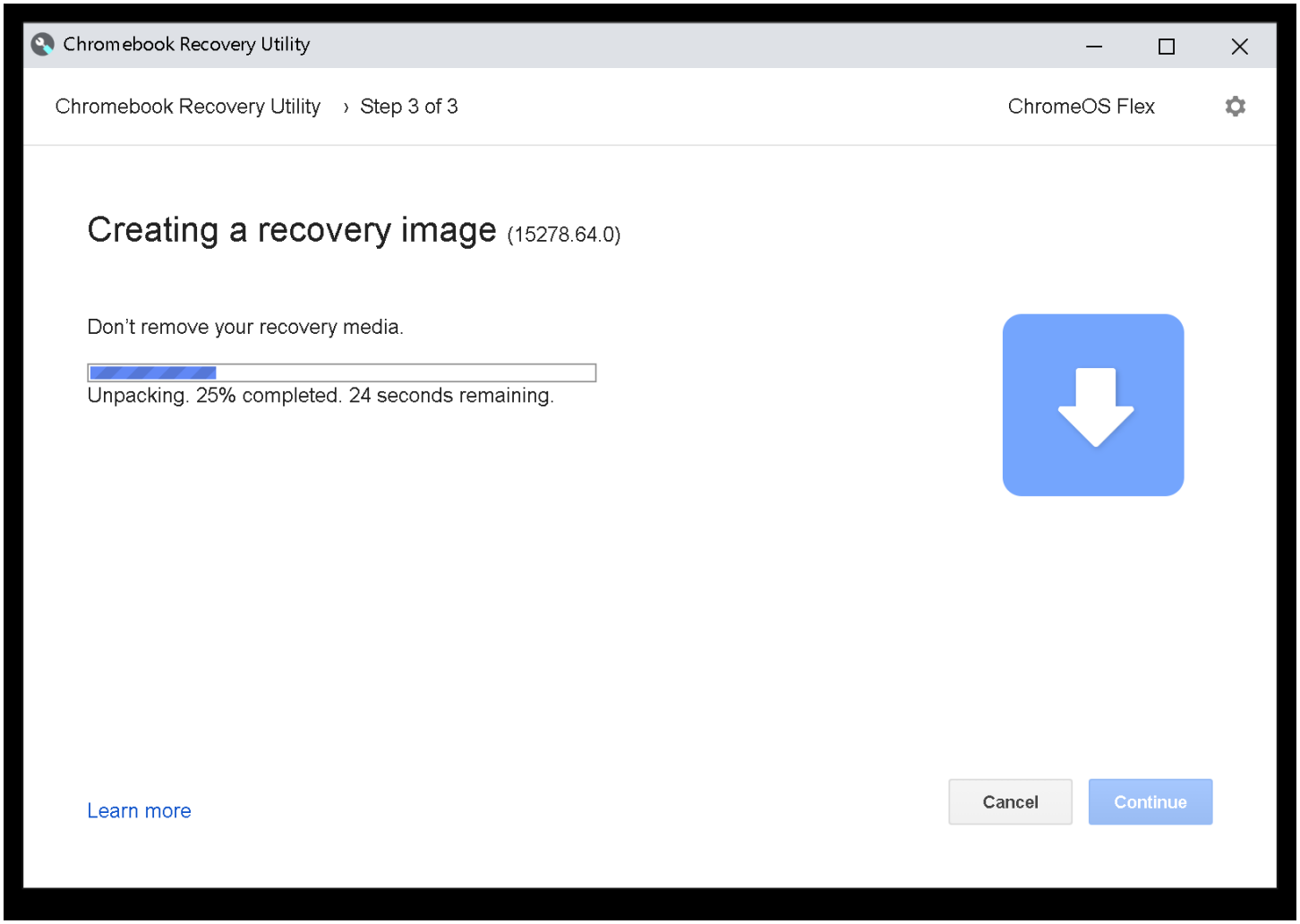

Chromebook Recovery Utility
Chromebook Recovery Utility › Step 3 of 3
ChromeOS Flex
Create a recovery image (15278.64.0)
Show Advanced Settings
Important: All data and partitions on your recovery media will be deleted.
SanDisk Cruzer Glide 3.0 - 29.1 GB
Learn more
Go back
Create now


Chromebook Recovery Utility
Chromebook Recovery Utility › Step 3 of 3
ChromeOS Flex
Create a recovery image (15278.64.0)
Show Advanced Settings
Important: All data and partitions on your recovery media will be deleted.
SanDisk Cruzer Glide 3.0 - 29.1 GB
Learn more
Go back
Create now


Chromebook Recovery Utility
Chromebook Recovery Utility › Step 3 of 3
ChromeOS Flex
Creating a recovery image (15278.64.0)
Don't remove your recovery media.
Downloading. 11% completed. 47 seconds remaining.
Learn more
Cancel
Continue

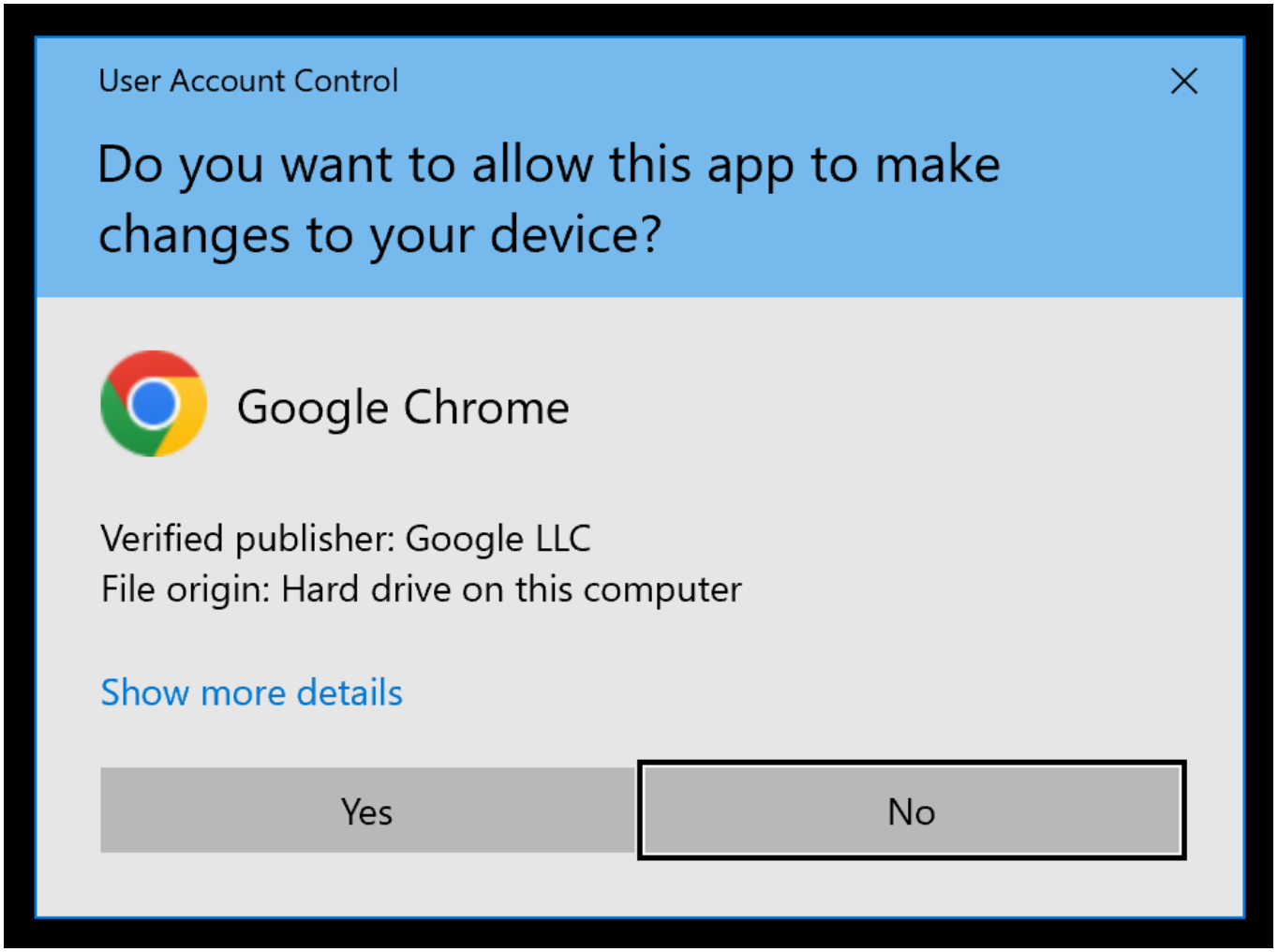

Chromebook Recovery Utility
Chromebook Recovery Utility › Step 3 of 3
ChromeOS Flex
Creating a recovery image (15278.64.0)
Don't remove your recovery media.
Downloading. 73% completed. 14 seconds remaining.
Learn more
Cancel
Continue

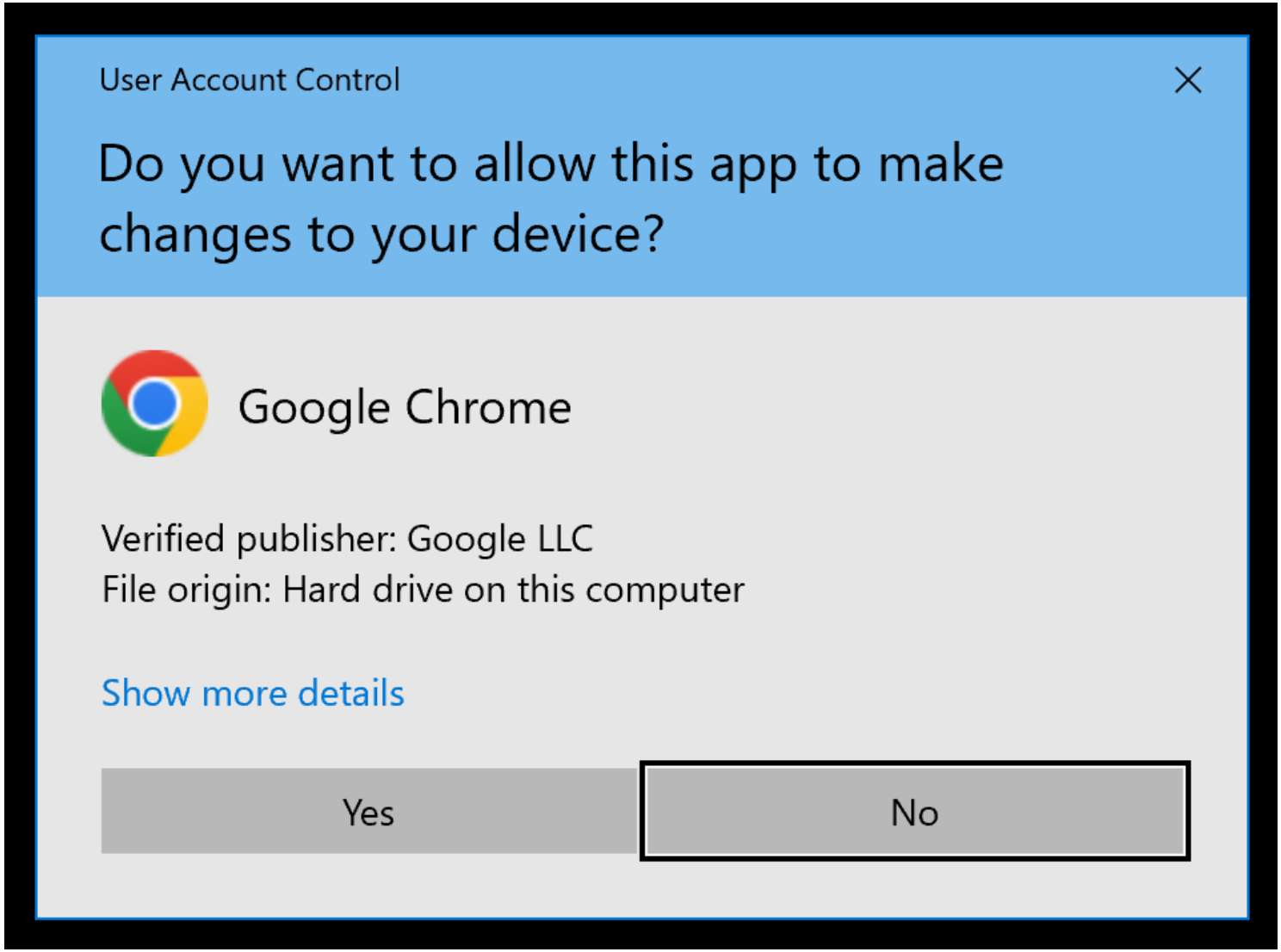

Chromebook Recovery Utility
Chromebook Recovery Utility › Step 3 of 3
ChromeOS Flex
Creating a recovery image (15278.64.0)
Don't remove your recovery media.
Verifying download. 28% completed. 10 seconds remaining.
Learn more
Cancel
Continue

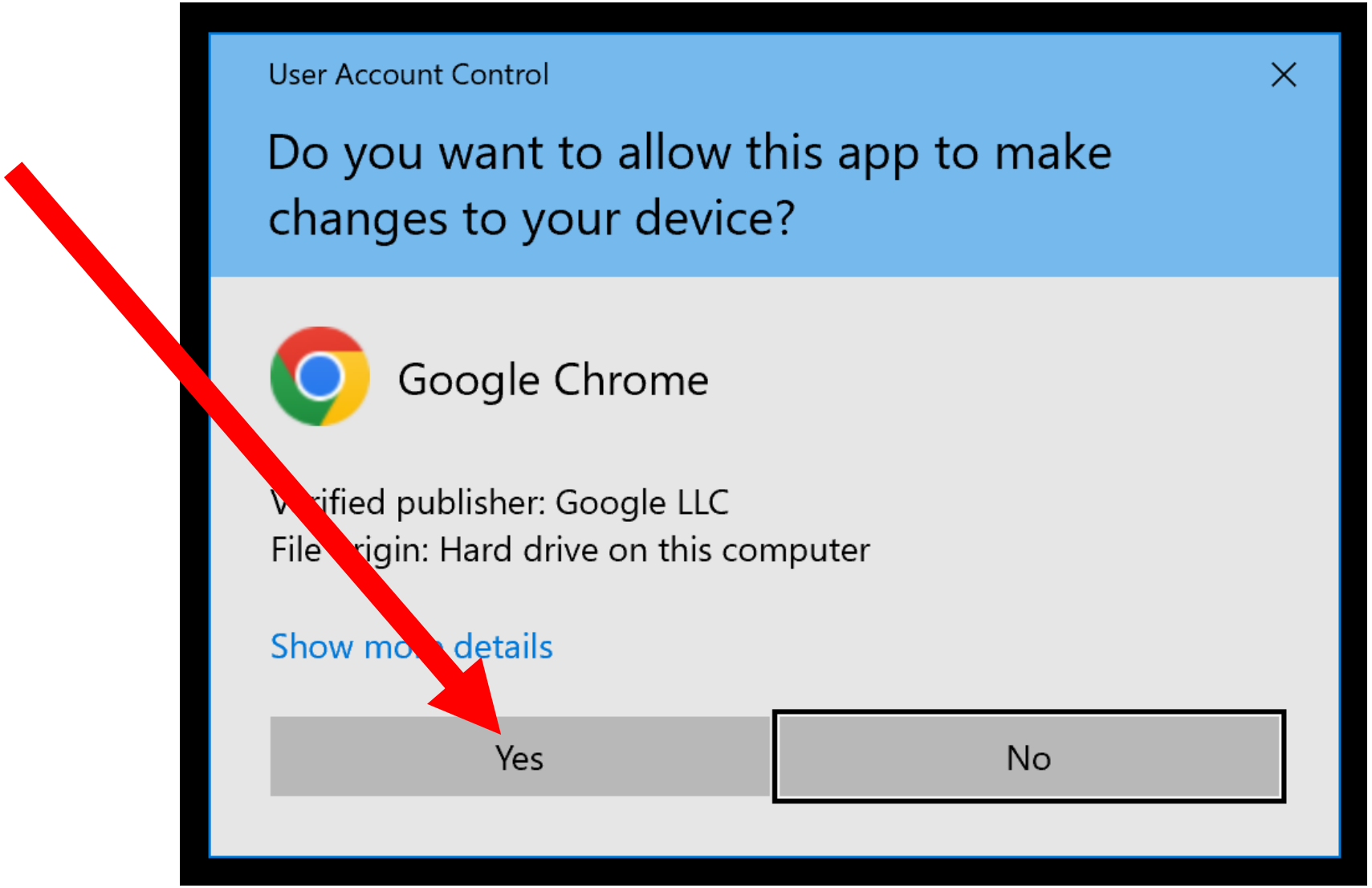

Chromebook Recovery Utility
Chromebook Recovery Utility › Step 3 of 3
ChromeOS Flex
Creating a recovery image (15278.64.0)
Don't remove your recovery media.
Unpacking. 25% completed. 24 seconds remaining.
Learn more
Cancel
Continue

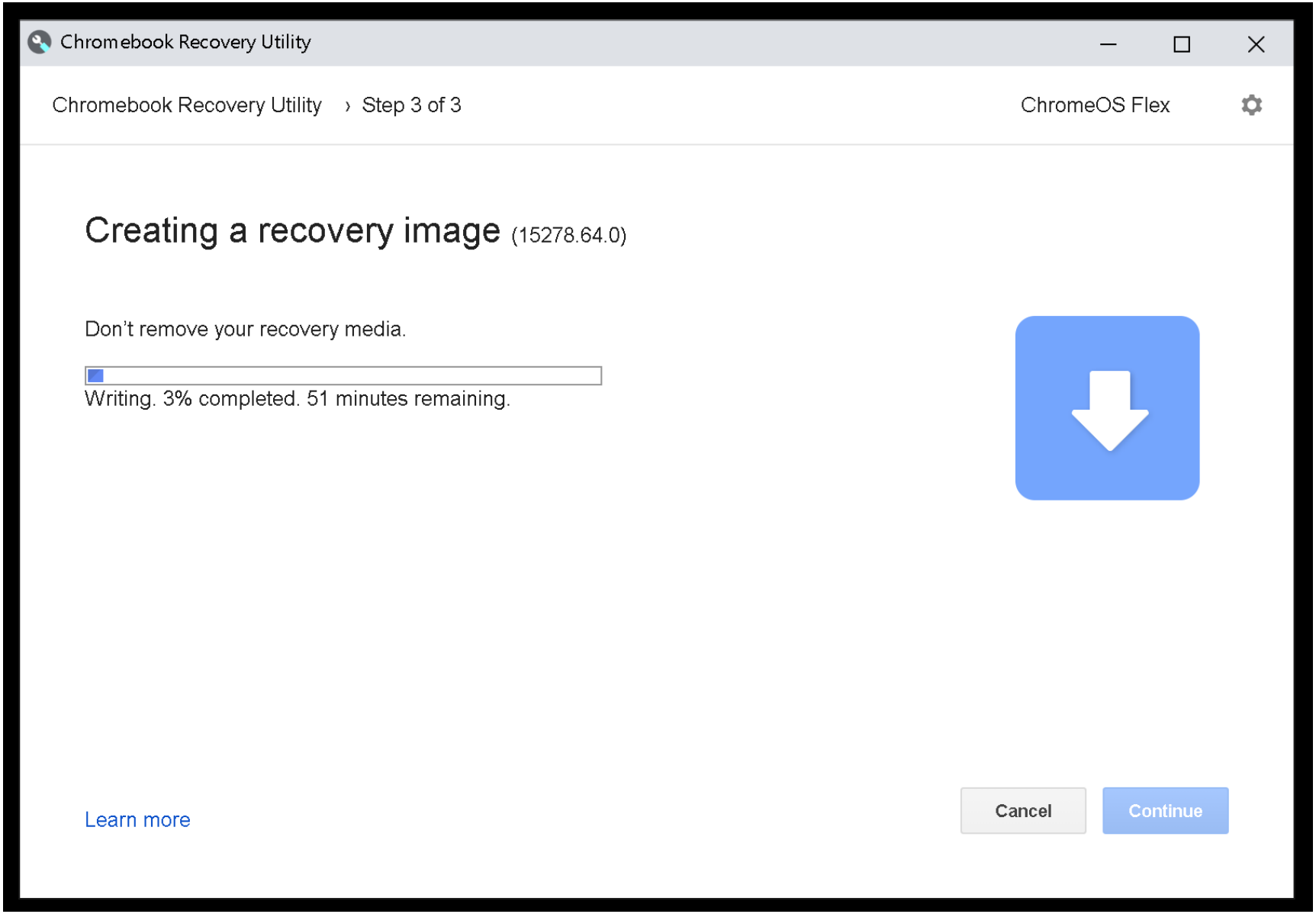
INSTALLING "CHROMEOS FLEX" (continued)

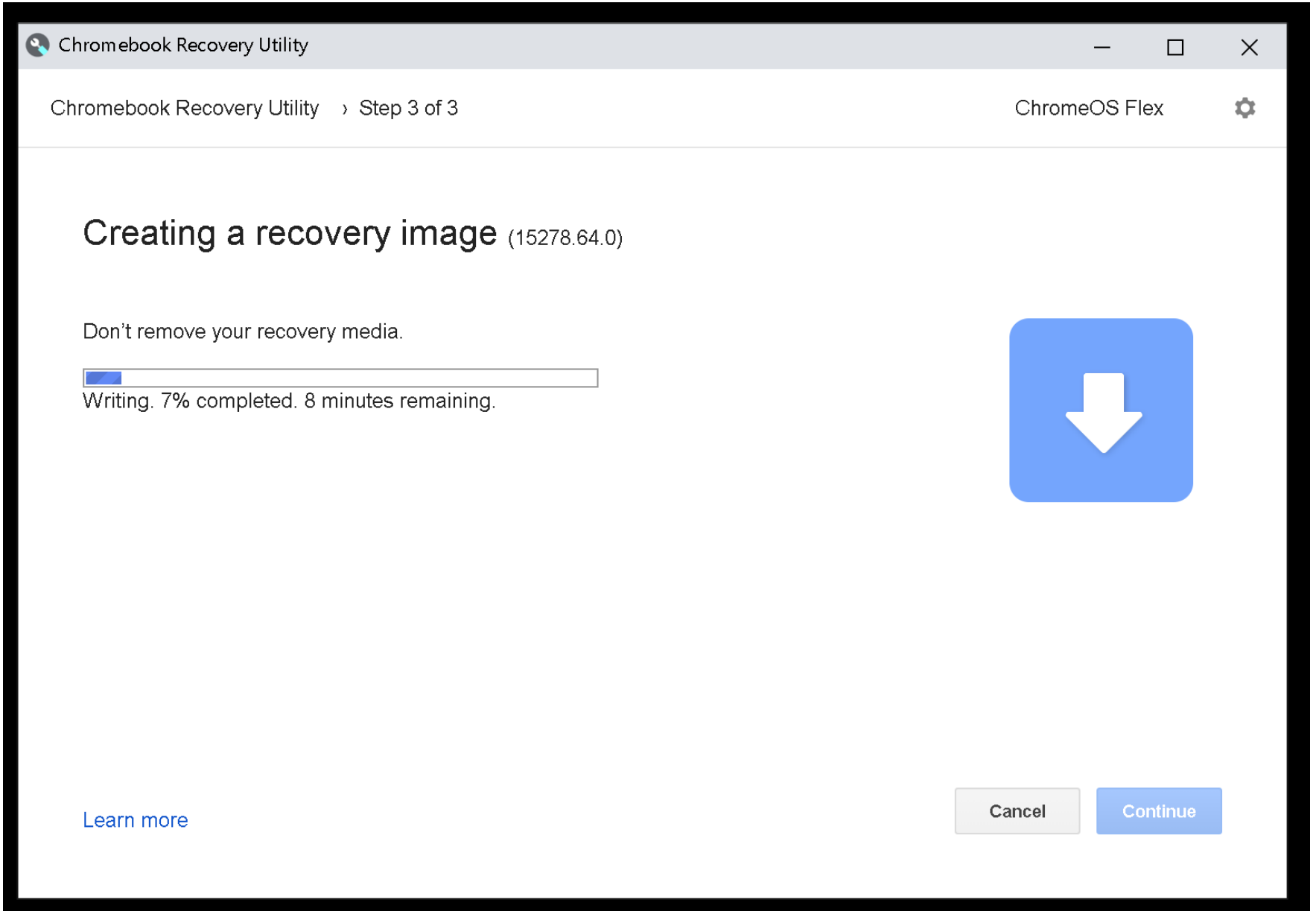
- Click on the "Yes" button:

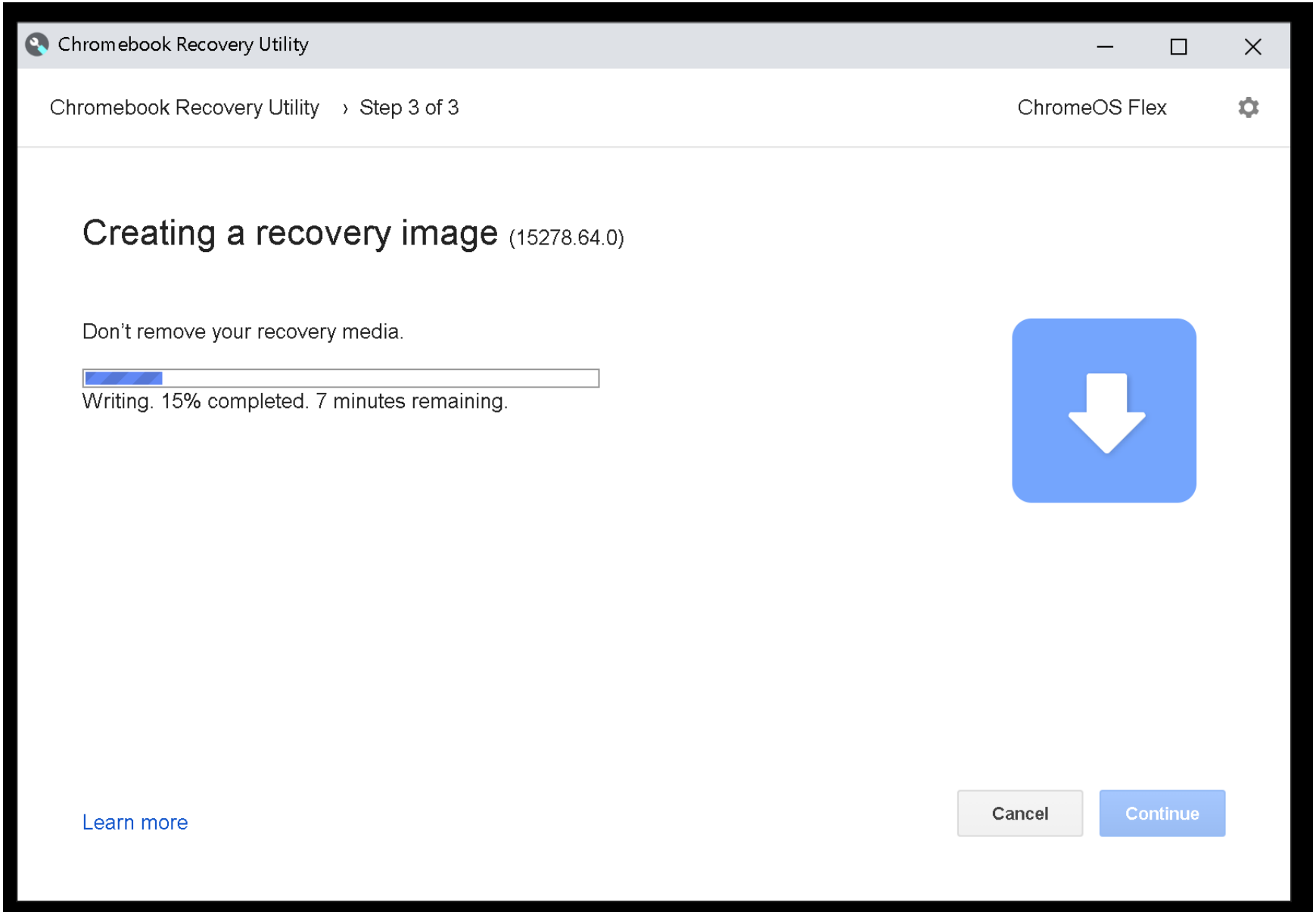

User Account Control
Do you want to allow this app to make changes to your device?
Google Chrome
Verified publisher: Google LLC
File origin: Hard drive on this computer
Show more details
Yes
No

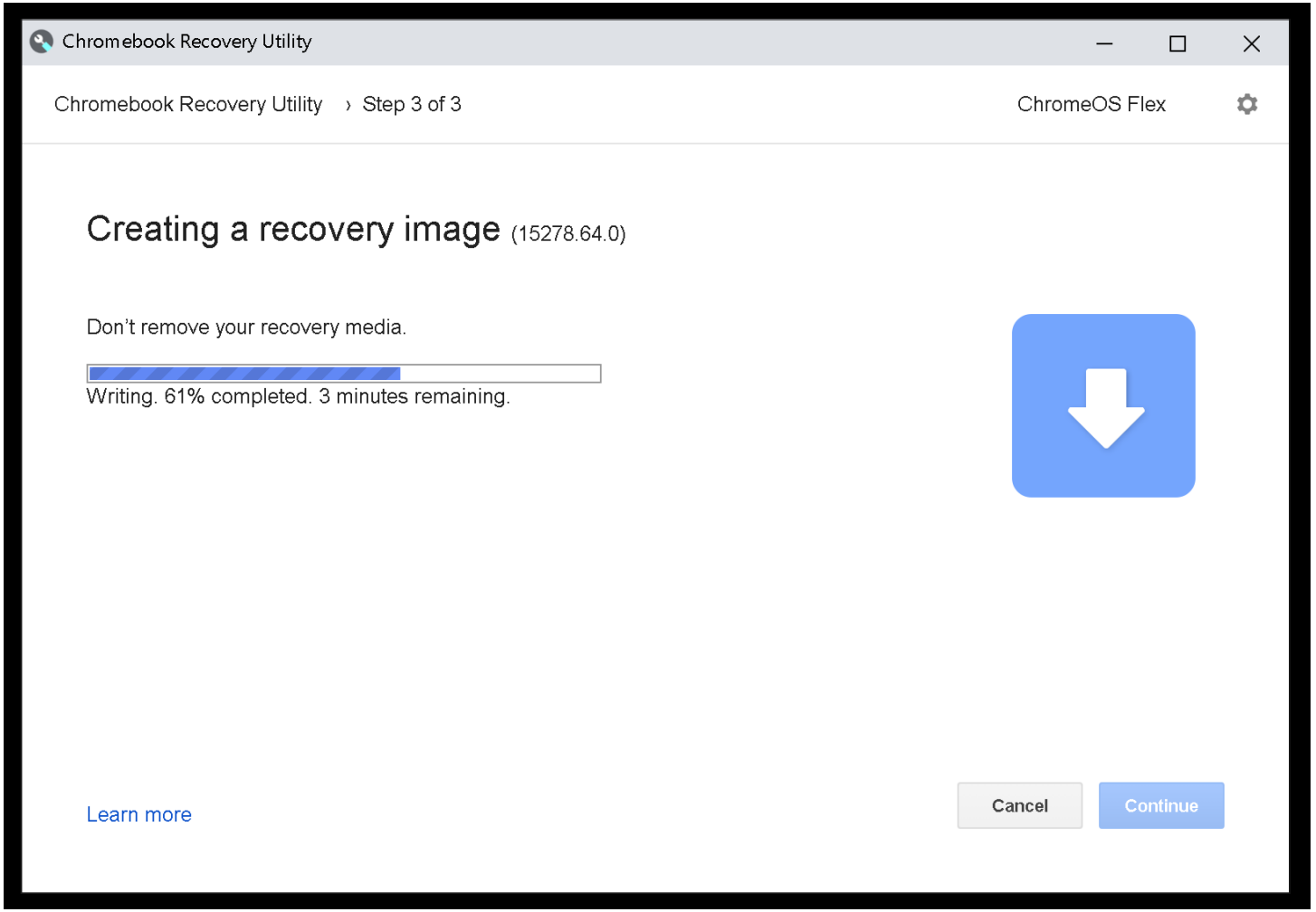

User Account Control
Do you want to allow this app to make changes to your device?
Google Chrome
Verified publisher: Google LLC
File origin: Hard drive on this computer
Show more details
Yes
No

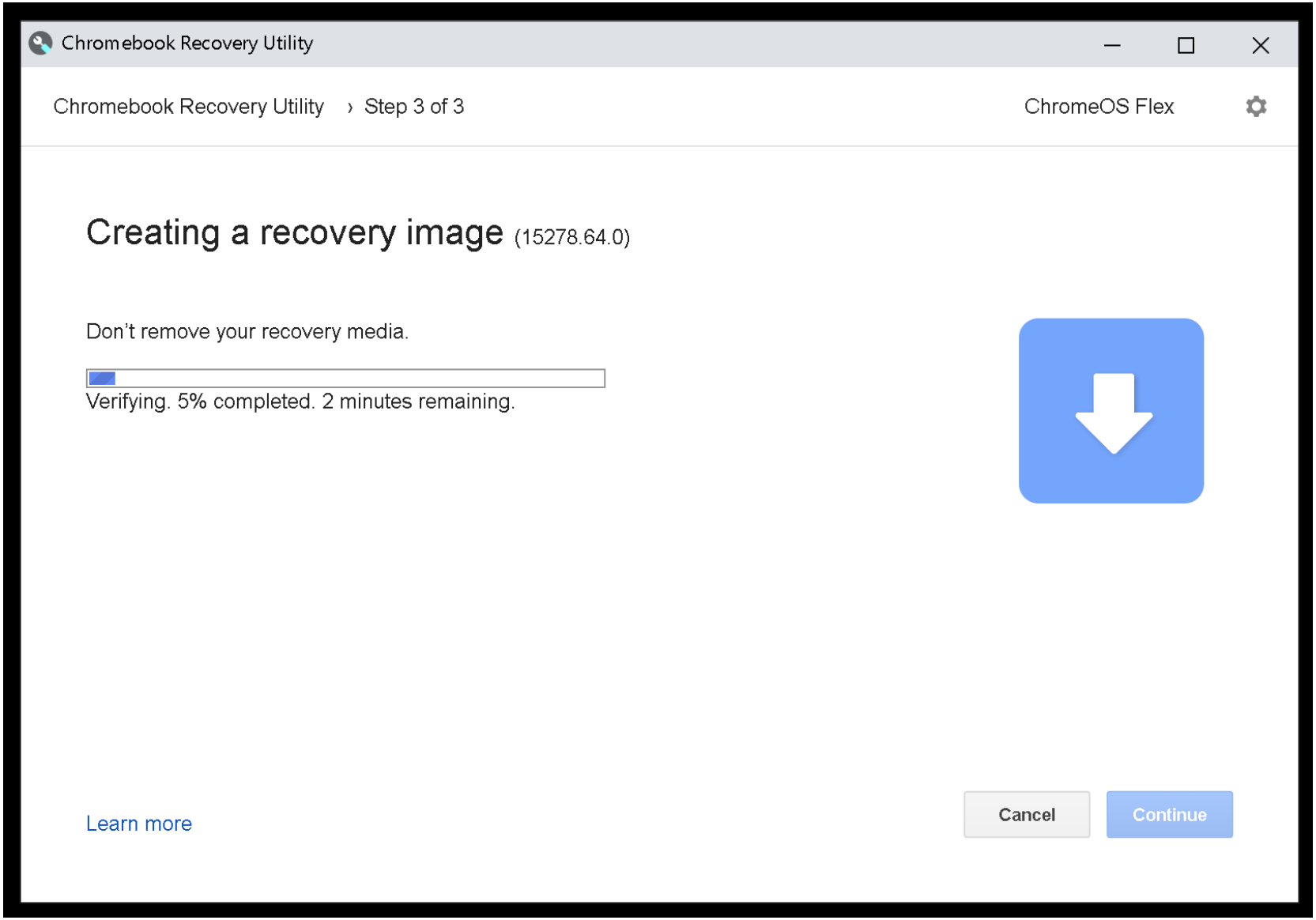

User Account Control
Do you want to allow this app to make changes to your device?
Google Chrome
Verified publisher: Google LLC
File origin: Hard drive on this computer
Show more details
Yes
No

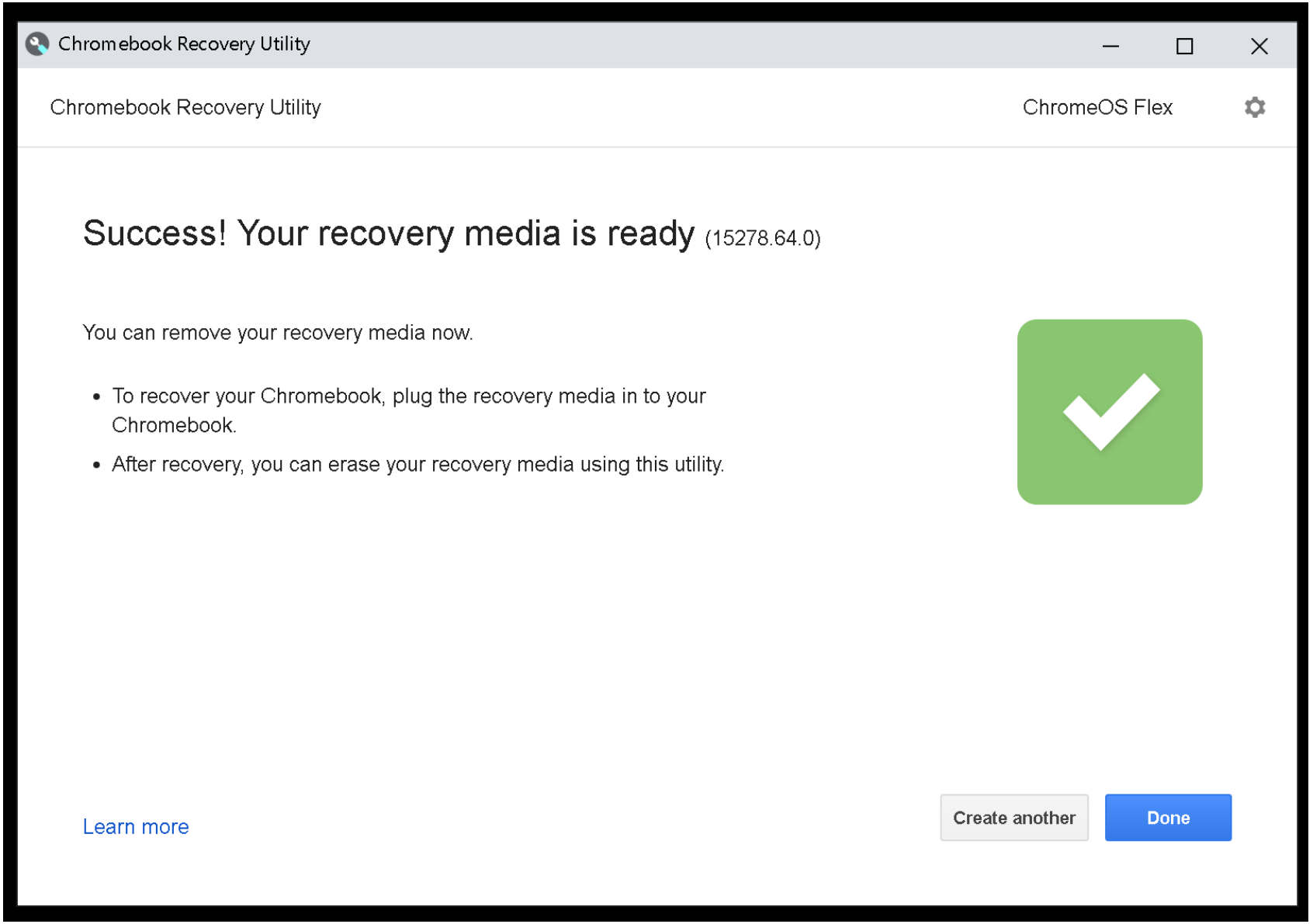

Chromebook Recovery Utility
Chromebook Recovery Utility › Step 3 of 3
ChromeOS Flex
Creating a recovery image (15278.64.0)
Don't remove your recovery media.
Writing. 3% completed. 51 minutes remaining.
Learn more
Cancel
Continue


Chromebook Recovery Utility
Chromebook Recovery Utility › Step 3 of 3
ChromeOS Flex
Creating a recovery image (15278.64.0)
Don't remove your recovery media.
Writing. 7% completed. 8 minutes remaining.
Learn more
Cancel
Continue


Chromebook Recovery Utility
Chromebook Recovery Utility › Step 3 of 3
ChromeOS Flex
Creating a recovery image (15278.64.0)
Don't remove your recovery media.
Writing. 15% completed. 7 minutes remaining.
Learn more
Cancel
Continue

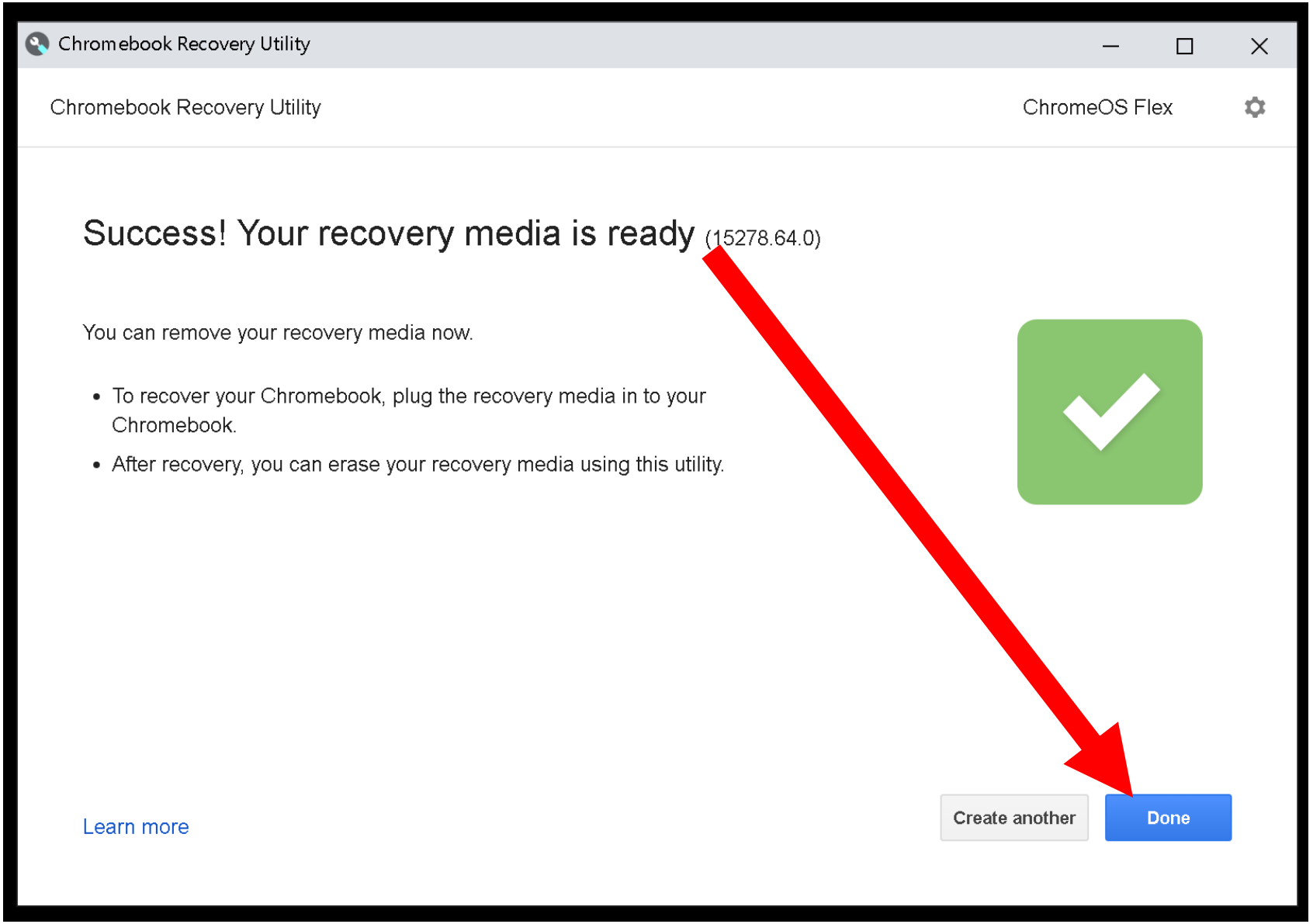

Chromebook Recovery Utility
Chromebook Recovery Utility › Step 3 of 3
ChromeOS Flex
Creating a recovery image (15278.64.0)
Don't remove your recovery media.
Writing. 61% completed. 3 minutes remaining.
Learn more
Cancel
Continue


Chromebook Recovery Utility
Chromebook Recovery Utility › Step 3 of 3
ChromeOS Flex
Creating a recovery image (15278.64.0)
Don't remove your recovery media.
Verifying. 5% completed. 2 minutes remaining.
Learn more
Cancel
Continue


Chromebook Recovery Utility
Chromebook Recovery Utility
ChromeOS Flex
Success! Your recovery media is ready (15278.64.0)
You can remove your recovery media now.
To recover your Chromebook, plug the recovery media in to your Chromebook.
After recovery, you can erase your recovery media using this utility.
Learn more
Create another
Done

INSTALLING "CHROMEOS FLEX" (continued)

- Click on the "Done" button:


Chromebook Recovery Utility
Chromebook Recovery Utility
ChromeOS Flex
Success! Your recovery media is ready (15278.64.0)
You can remove your recovery media now.
To recover your Chromebook, plug the recovery media in to your Chromebook.
After recovery, you can erase your recovery media using this utility.
Learn more
Create another
Done

INSTALLING "CHROMEOS FLEX" (continued)

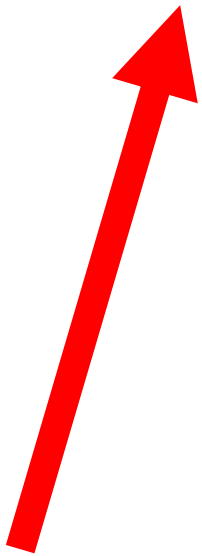
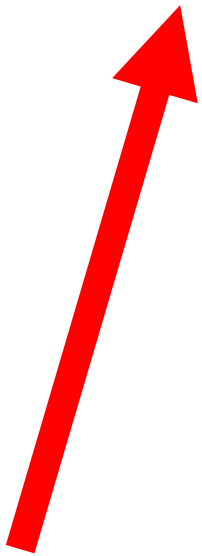
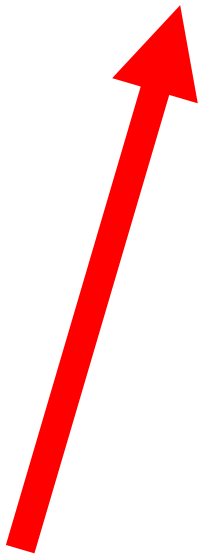
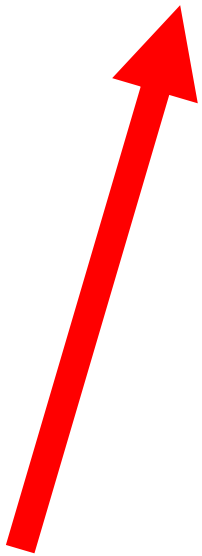
- Remove the USB flash drive or USB SSD from your Windows 10 computer and use it to boot up the computer where you wish to install "Google ChromeOS Flex" to turn that computer into a Chromebook!

"ZOOM FOR CHROME" PROGRESSIVE WEB APP..

- ..will gradually replace the "Zoom" ChromeOS app so please see the following convert to it: https://support.zoom.us/hc/en-us/articles/9448446994189-Retirement-of-the-Zoom-Chrome-OS-App

"ZOOM FOR CHROME" PROGRESSIVE WEB APP.. (continued)

- If your home-built copy of "ChromeOS Flex" does not have the Google "Play Store" in it, you can force it to use the new-fangled "Zoom for Chrome" Progressive Web App by using the Chrome browser to go to pwa.zoom.us/wc
  After going to this Web page, make a bookmark for it inside the Chrome browser.

ADDITIONAL INFORMATION

- https://support.google.com/chromeosflex/answer/11542901?hl=en#:~:text=Google%20Play%20and%20Android%20apps,Android%20apps%20or%20Google%20Play