






(<https://plus.google.com/105318999106266025664>) 

(<https://plus.google.com/105318999106266025664>) 



(<https://plus.google.com/105318999106266025664>) 

(<https://plus.google.com/105318999106266025664>) 

(<https://plus.google.com/105318999106266025664>) 

(<https://plus.google.com/105318999106266025664>) **UbuntuHandbook** (<https://ubuntuhandbook.org>)

News, Tutorials, Howtos for Ubuntu Linux

 (<https://twitter.com/UbuntuHandbook>)   (<https://www.youtube.com/c/JimUbuntuHandbook>) 

 (<http://feeds.feedburner.com/UbuntuhandbookNewsTutorialsHowtosForUbuntuLinux>) 

Home (<https://ubuntuhandbook.org>) / Howtos (<https://ubuntuhandbook.org/index.php/category/howtos/>) /

How to Install VeraCrypt and Create Encrypted Disk in Ubuntu 20.04

(<https://ubuntuhandbook.org/index.php/2021/01/install-veracrypt-create-encrypted-disk-ubuntu-20-04/>)

How to Install VeraCrypt and Create Encrypted Disk in Ubuntu 20.04

Last updated: April 24, 2024




This simple tutorial shows how to install VeraCrypt and create encrypted hard drive, USB stick in Ubuntu 20.04, Ubuntu 18.04, Linux Mint 20, Ubuntu 20.10.


VeraCrypt is a free and open-source disk encryption software based on TrueCrypt 7.1a. It works on Linux, Windows, and Mac OS.

With VeraCrypt, you can:

- Creates a **virtual encrypted disk within a file** and mounts it as a real disk.
- Encrypts an **entire partition or storage device** such as USB flash drive or hard drive.
- Encrypts a **partition or drive where Windows is installed**.

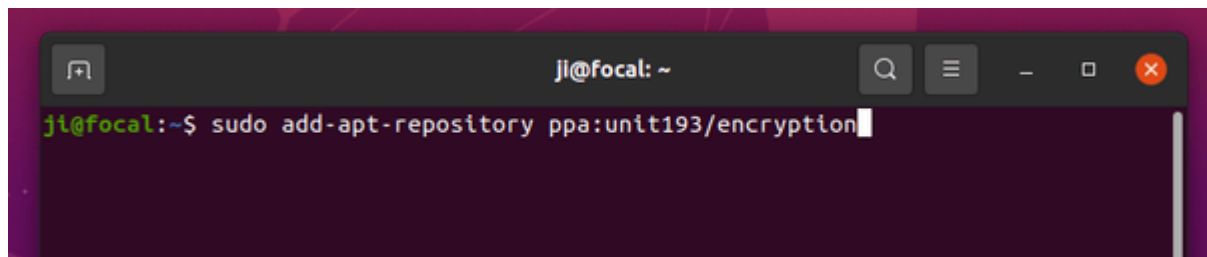
How to Install VeraCrypt in Ubuntu via PPA:

The software offers official 64-bit .deb binaries (<https://www.veracrypt.fr/en/Downloads.html>)  for all current Ubuntu releases.

For arm64, armhf, ppc64el packages, there's an unofficial PPA (<https://launchpad.net/~unit193/+archive/ubuntu/encryption>)  maintained by the administrator of "XUbuntu Developers" team.

1.) To add the PPA, open terminal from system application launcher and run command:

```
sudo add-apt-repository ppa:unit193/encryption
```

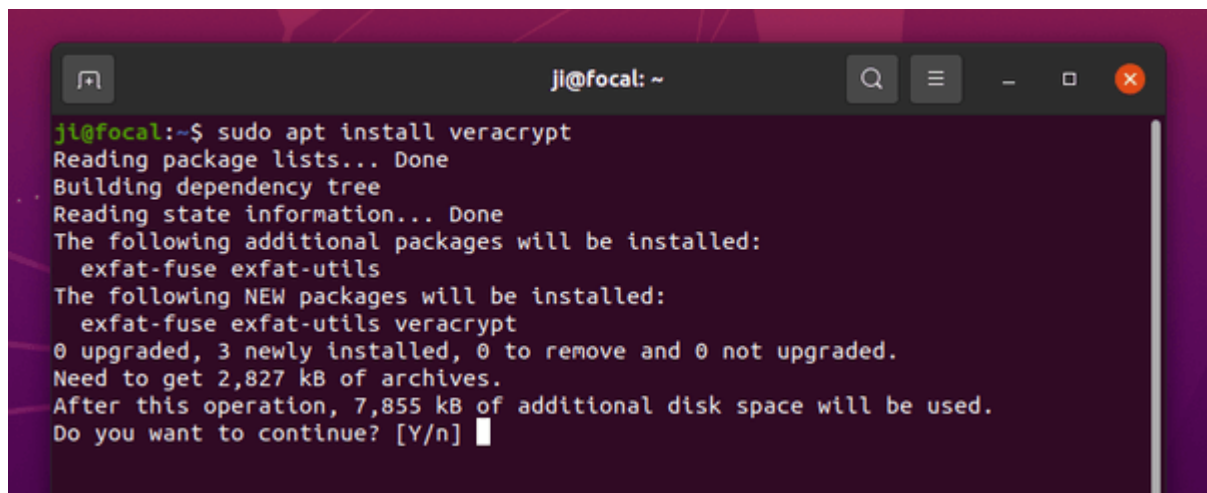
A terminal window titled 'ji@focal: ~' with search, menu, and window control icons. The command 'sudo add-apt-repository ppa:unit193/encryption' is entered and the cursor is at the end of the line.

```
ji@focal:~$ sudo add-apt-repository ppa:unit193/encryption
```

2.) Then refresh system package cache and install the encryption software via commands:

```
sudo apt update
```

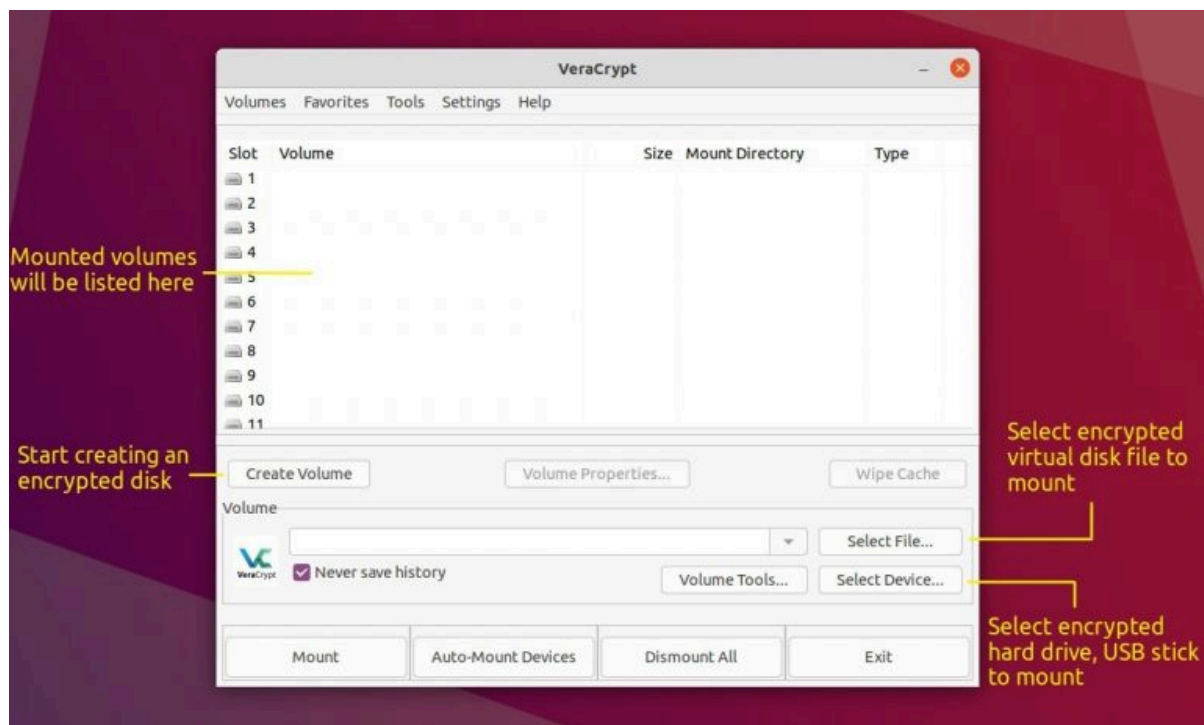
```
sudo apt install veracrypt
```

A terminal window titled 'ji@focal: ~' showing the output of 'sudo apt install veracrypt'. It lists additional packages (exfat-fuse, exfat-utils) and new packages (exfat-fuse, exfat-utils, veracrypt) to be installed, along with disk space requirements. The prompt 'Do you want to continue? [Y/n]' is shown with the cursor at the end.

```
ji@focal:~$ sudo apt install veracrypt
Reading package lists... Done
Building dependency tree
Reading state information... Done
The following additional packages will be installed:
  exfat-fuse exfat-utils
The following NEW packages will be installed:
  exfat-fuse exfat-utils veracrypt
0 upgraded, 3 newly installed, 0 to remove and 0 not upgraded.
Need to get 2,827 kB of archives.
After this operation, 7,855 kB of additional disk space will be used.
Do you want to continue? [Y/n]
```

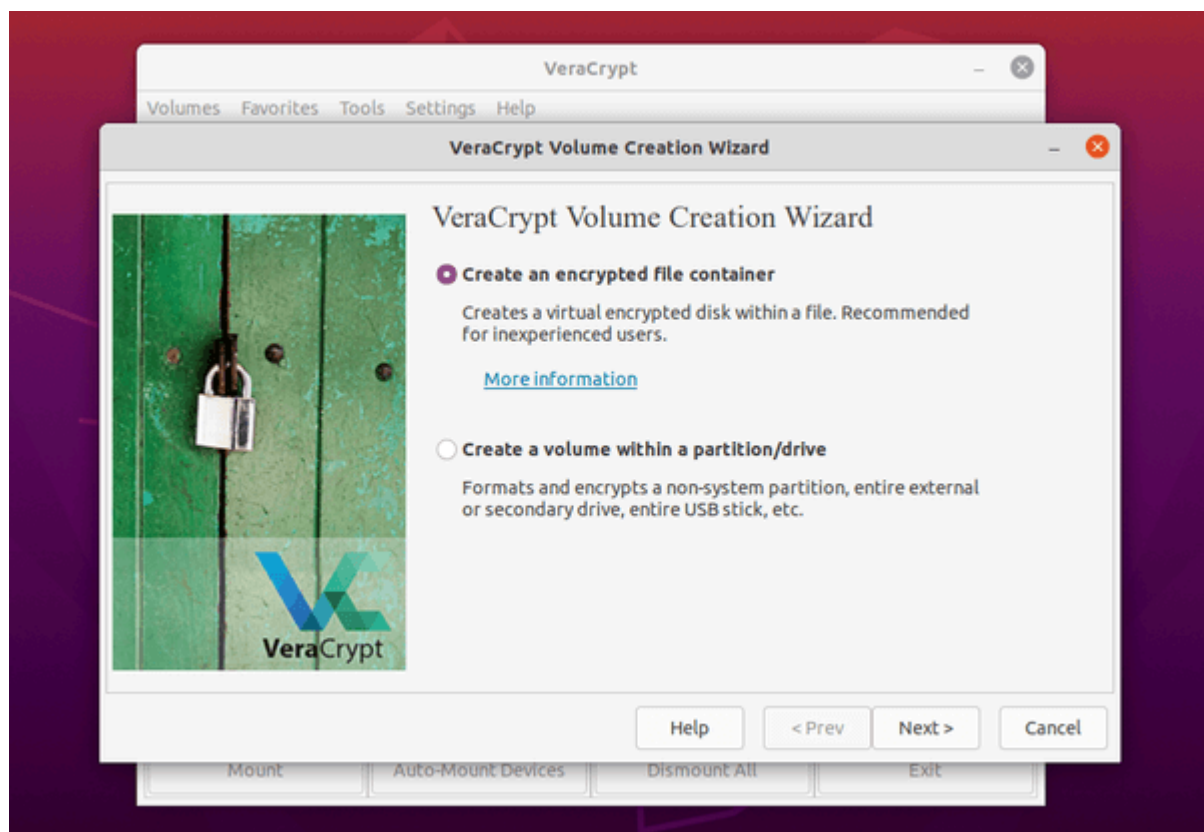
How to Create an Encrypted Disk via VeraCrypt:

Once installed the software, open it from system application launcher. Then click on the “**Create Volume**” button to start creating an encrypted disk.



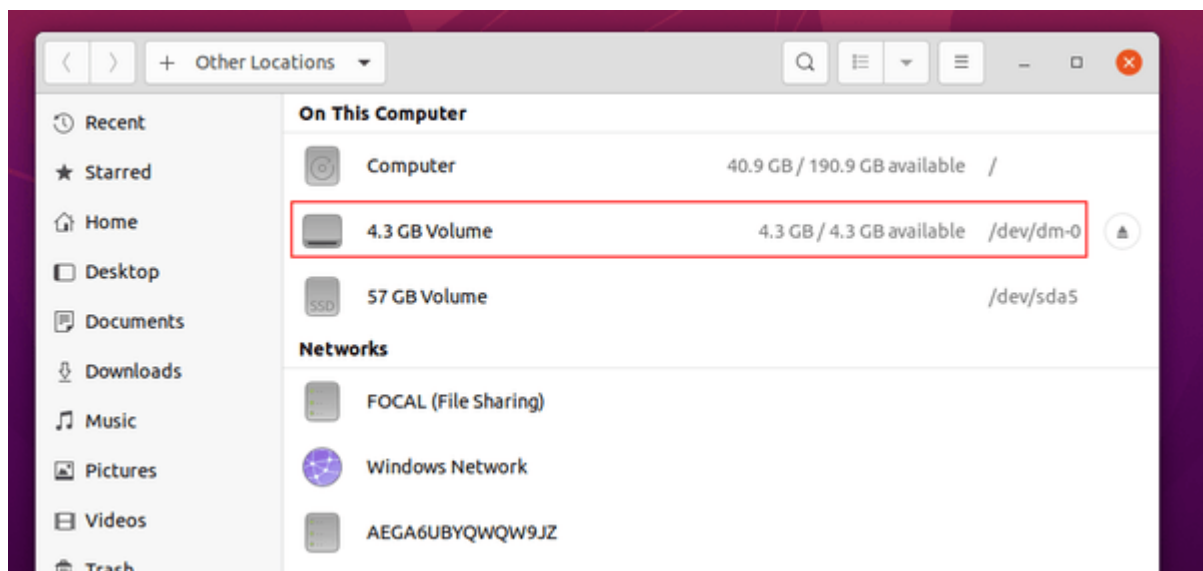
(<https://ubuntuhandbook.org/wp-content/uploads/2021/01/veracrypt-window.jpg>)

Then either select “Create an encrypted file container” for a virtual encrypted disk within a file, or “Create a volume within a partition/drive” to encrypt non-system partition, external hard drive, or entire USB stick.



Then follow the setup wizard to choose volume type, encryption algorithm, volume password, file system type, and finally click “Format”.

When everything’s done, mount the volume and you’ll be able to access it via Nautilus file browser.



For more, read the official Documentation (<https://www.veracrypt.fr/en/Documentation.html>) .

Uninstall:

To remove VeraCrypt, simply run command in terminal:

```
sudo apt remove --autoremove veracrypt
```

To remove the Ubuntu PPA, run command:

```
sudo add-apt-repository --remove ppa:unit193/encryption
```

Enable this blog? Please spread the world :)



(http
s://tw
itter.
com/
shar
e?
url=h
ttps:/
/ubu
ntuh
andb
ook.
org/i
ndex
.php/
2021
/01/i
nstall
-
vera
crypt
-
creat
e-
encr
ypte
d-
disk-
ubun



(http:
//ww
w.lin
kedi
n.co
m/sh
areA
rticle
?
mini
=true
&url
=http
s://u
bunt



(http
s://t.
me/s
hare/
url?
url=h
ttps:/
/ubu
ntuh
andb
ook.
org/i
ndex
.php/
2021
/01/i
nstall
-
vera
crypt
-
creat
e-
encr
ypte
d-
disk-
ubun








(mail
to:?
subj
ect=
How
to
Insta
ll
Vera
Cryp
t and
Crea
te
Encr
ypte
d
Disk
in
Ubu
ntu
20.0
4&bo
dy=h
ttps:/
/ubu
ntuh



(http
s://w
ww.f
acebook.
ook.
com/
shar
er.ph
p?
u=htt
ps://
ubun



(http
s://w
a.me
/?
text=
https
://ub
untu

tuha	tu-	uhan	hand	tu-	andb
ndbo	20-	dboo	book	20-	ook.
ok.or	04/&t	k.org	.org/i	04/&t	org/i
g/ind	ext=	/inde	ndex	ext=	ndex
ex.p	How	x.ph	.php/	How	.php/
hp/2	to	p/20	2021	to	2021
021/	Insta	21/0	/01/i	Insta	/01/i
01/in	ll	1/ins	nstall	ll	nstall
stall-	Vera	tall-	-	Vera	-
vera	Cryp	vera	vera	Cryp	vera
crypt	t and	crypt	crypt	t and	crypt
-	Crea	-	-	Crea	-
creat	te	creat	creat	te	creat
e-	Encr	e-	e-	Encr	e-
encr	ypte	encr	encr	ypte	encr
ypte	d	ypte	ypte	d	ypte
d-	Disk	d-	d-	Disk	d-
disk-	in	disk-	disk-	in	disk-
ubun	Ubu	ubun	ubun	Ubu	ubun
tu-	ntu	tu-	tu-	ntu	tu-
20-	20.0	20-	20-	20.0	20-
04/)	 4)	 04/)	 04/)	 4)	 04/)



In Howtos (<https://ubuntuhandbook.org/index.php/category/howtos/>)

Disk Encryption


(<https://ubuntuhandbook.org/index.php/tag/disk-encryption/>)


 (<https://ubuntuhandbook.org/index.php/2021/01/install-veracrypt-create-encrypted-disk-ubuntu-20-04/>)

Ji m

(<https://ubuntuhandbook.org/index.php/about/>)



Twitter (<https://twitter.com/UbuntuHandbook/>) 

I'm a freelance blogger who started using Ubuntu in 2007 and wishes to share my experiences and some useful tips with Ubuntu beginners and lovers. Please comment to let me know if the tutorial is outdated! And, notify me if you find any typo/grammar/language mistakes. English is not my native language. Contact me via ubuntuhandbook1@gmail.com (<mailto:ubuntuhandbook1@gmail.com?Subject=Hello%20again>) Buy me a coffee: <https://ko-fi.com/ubuntuhandbook1> (<https://ko-fi.com/ubuntuhandbook1>) 

How to Install Tor and Tor... (<https://ubuntuhandbook.org/index.php/2021/01/install-tor-tor-browser-ubuntu-20-10-20-04/>)

[Ubuntu PPA] How to Install... (<https://ubuntuhandbook.org/index.php/2021/01/ubuntu-ppa-gnome-feeds-ubuntu-20-04/>)

One response to *How to Install VeraCrypt and Create Encrypted Disk in Ubuntu 20.04*



David July 7, 2021 at 10:58 pm (<https://ubuntuhandbook.org/index.php/2021/01/install-veracrypt-create-encrypted-disk-ubuntu-20-04/#comment-3699301>)

Hi. Thanks for your blog. I'm trying to create a hidden volume in a partition on a USB memory stick. It's a 32GB memory stick with FAT partitions. Partition 1 is 5.2GB (this will be the encrypted partition. Partition 2 is a FAT ordinary partition (ie. not encrypted).

I know how to use Veracrypt to create hidden volumes. I've done is several times in Windows. But I seem to be having troubles setting one up in Ubuntu 21.04. I can begin the process easily. I can even set up the outer volume without troubles. But when I've finished setting up the outer volume and I've added some 'sensitive looking files' (just like the set-up wizard says to do) and then I try to click on "Next", I get the following messages –

VeraCrypt
unmount:/media/bazil/8FC3-1ADE: no mount point specified.

... and on some occasions I get a different message like this one –

VeraCrypt
device-mapper:remove ioctl on veracrypt1 failed: Device or resource busy Command failed.

I don't know what I'm doing wrong, or IF im doing anything wrong. But I know that there's got to be a way to set up a hidden volume using Veracrypt on my USB memory stick using my Ubuntu system.

Can you help?

Newsletter

Subscribe to receive latest news and tutorials in your inbox!

Email Address *

Subscribe

We don't spam! Read our privacy policy (<https://ubuntuhandbook.org/index.php/privacy-policy/>) for more info.

Popular

(<https://ubuntuhandbook.org/index.php/2024/04/install-vmware-player-ubuntu/>)
(<https://ubuntuhandbook.org/index.php/2024/01/firefox-vaapi-nvidia/>)
(<https://ubuntuhandbook.org/index.php/2023/12/waydroid-run-android-apps-ubuntu/>)
(<https://ubuntuhandbook.org/index.php/2024/02/install-onedrive-ubuntu/>)
(<https://ubuntuhandbook.org/index.php/2024/03/install-thunderbird-deb-ubuntu-2404/>)
(<https://ubuntuhandbook.org/index.php/2024/04/install-ubuntu-24-04-desktop/>)
(<https://ubuntuhandbook.org/index.php/2024/05/auto-create-delete-write-file-startup/>)
(<https://ubuntuhandbook.org/index.php/2024/05/install-handbrake-ubuntu-2/>)
(<https://ubuntuhandbook.org/index.php/2024/05/set-up-google-drive-ubuntu-2404/>)



Install VMware Workstation Player in Ubuntu 24.04 [Fix Modul...

(<https://ubuntuhandbook.org/index.php/2024/04/install-vmware-player-ubuntu/>)

13 comments since April 20, 2024



Get Firefox VA-API Hardware Acceleration working on NVIDIA G...

(<https://ubuntuhandbook.org/index.php/2024/01/firefox-vaapi-nvidia/>)

9 comments since January 29, 2024



Install Waydroid to Run Android OS & Apps in Ubuntu 22....

(<https://ubuntuhandbook.org/index.php/2023/12/waydroid-run-android-apps-ubuntu/>)

8 comments since December 10, 2023



Install & Setup OneDrive Client in Ubuntu 24.04 | 22.04

(<https://ubuntuhandbook.org/index.php/2024/02/install-onedrive-ubuntu/>)

8 comments since February 27, 2024



How to Install Thunderbird as DEB (Not Snap) in Ubuntu 24.04

(<https://ubuntuhandbook.org/index.php/2024/03/install-thunderbird-deb-ubuntu-2404/>)

8 comments since March 22, 2024



How to Install Ubuntu 24.04 Desktop [Step by Step Guide]

(<https://ubuntuhandbook.org/index.php/2024/04/install-ubuntu-24-04-desktop/>)

5 comments since April 26, 2024



Automatically Create, Delete, Write to Files on Startup in Ubuntu

(<https://ubuntuhandbook.org/index.php/2024/05/auto-create-delete-write-file-startup/>)



Install HandBrake Video Transcoder 1.8.0 in Ubuntu 24.04

(<https://ubuntuhandbook.org/index.php/2024/05/install-handbrake-ubuntu-2/>)

Set up Google Drive for Local Folder Sync in Ubuntu 24.04

(<https://ubuntuhandbook.org/index.php/2024/05/set-up-google-drive-ubuntu-2404/>)



Enable Login & Log Out Sound in Ubuntu 24.04



(<https://ubuntuhandbook.org/index.php/2024/05/enable-login-log-out-sound-ubuntu/>)

Install LibreOffice Office Suite in Ubuntu 24.04



(<https://ubuntuhandbook.org/index.php/2024/05/install-libreoffice-ubuntu-2404/>)

Enable Automatic Login in Ubuntu 24.04 & Flavors



(<https://ubuntuhandbook.org/index.php/2024/05/enable-automatic-login-in-ubuntu-24-04-flavors/>)



Ji m (<https://ubuntuhandbook.org/index.php/author/jimingkui/>) on Hugin 2023.0.0 Released! PPA Updated for Ubuntu 23.10, 22.04 & 20.04 (<https://ubuntuhandbook.org/index.php/2023/11/hugin-2023-0-0-ppa-ubuntu-2310-2204/#comment-3756949>)

May 28, 2024



Alexandre on Hugin 2023.0.0 Released! PPA Updated for Ubuntu 23.10, 22.04 & 20.04 (<https://ubuntuhandbook.org/index.php/2023/11/hugin-2023-0-0-ppa-ubuntu-2310-2204/#comment-3756948>)

May 28, 2024



Andres on Install VMware Workstation Player in Ubuntu 24.04 [Fix Module Issue] (<https://ubuntuhandbook.org/index.php/2024/04/install-vmware-player-ubuntu/#comment-3756946>)

May 27, 2024



dave604 on How to Enable Variable Refresh Rate (VRR) in Ubuntu 24.04 (<https://ubuntuhandbook.org/index.php/2024/04/enable-variable-refresh-rate-ubuntu/#comment-3756945>)

May 27, 2024



Ji m (<https://ubuntuhandbook.org/index.php/author/jimingkui/>) on How to Install JDownloader 2 in Ubuntu 24.04 | 22.04 (<https://ubuntuhandbook.org/index.php/2024/04/install-jdownloader-2-ubuntu/#comment-3756944>)

May 26, 2024

About (<https://ubuntuhandbook.org/index.php/about/>)