VERACRYPT

VeraCrypt is an open source software that is used to encrypt files in a hard disk, encrypt hard disk partitions as well as the hard disks.

Installing VeraCrypt

1. Download the file and extract it.

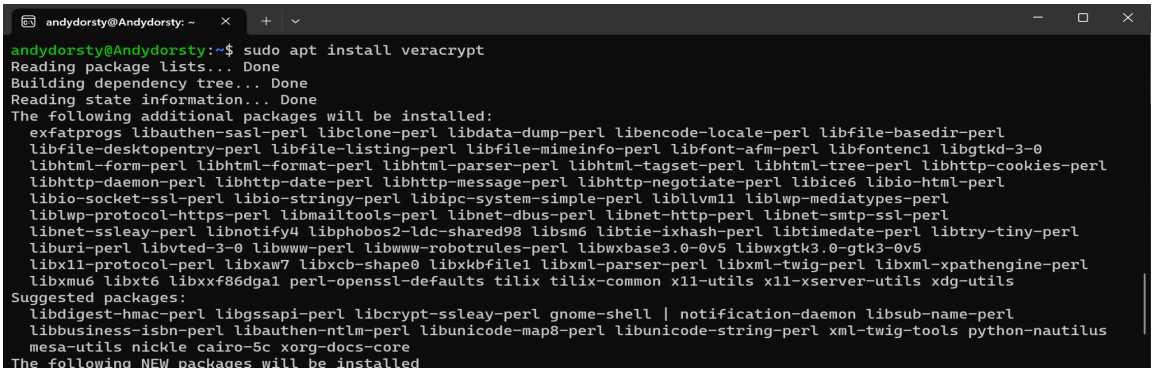
```
andydorsty@Andydorsty:~$ tar -xvf 'veracrypt-1.25.9-setup (1).tar.bz2'
veracrypt-1.25.9-setup-console-x64
veracrypt-1.25.9-setup-console-x86
veracrypt-1.25.9-setup-gtk3-console-x64
veracrypt-1.25.9-setup-gtk3-gui-x64
veracrypt-1.25.9-setup-gui-x64
veracrypt-1.25.9-setup-gui-x86
```

2. Add the PPA.

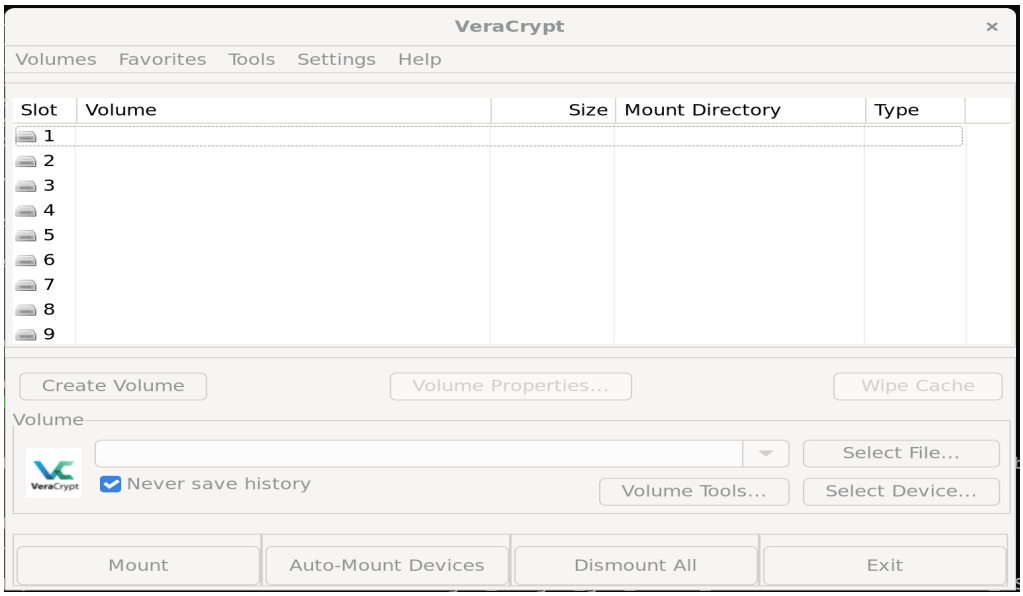
```
andydorsty@Andydorsty: ~
andydorsty@Andydorsty:~$ sudo add-apt-repository ppa:unit193/encryption
[sudo] password for andydorsty:
PPA publishes dbgsym, you may need to include 'main/debug' component
Repository: 'deb https://ppa.launchpadcontent.net/unit193/encryption/ubuntu/ jammy main'
Description:
https://www.veracrypt.fr/
VeraCrypt - Open source disk encryption with strong security for the Paranoid, based on TrueCrypt.

Debian and Rasbian builds: https://build.opensuse.org/project/show/home:unit193:veracrypt
More info: https://launchpad.net/~unit193/+archive/ubuntu/encryption
Adding repository.
Press [ENTER] to continue or Ctrl-c to cancel.
Adding deb entry to /etc/apt/sources.list.d/unit193-ubuntu-encryption-jammy.list
Adding disabled deb-src entry to /etc/apt/sources.list.d/unit193-ubuntu-encryption-jammy.list
Adding key to /etc/apt/trusted.gpg.d/unit193-ubuntu-encryption.gpg with fingerprint 3BFB8E06536B8753AC58A4A303647209B58A
653A
0% [Working]
Hit:1 http://archive.ubuntu.com/ubuntu jammy InRelease
```

3. Installing VeraCrypt on the Linux distribution.

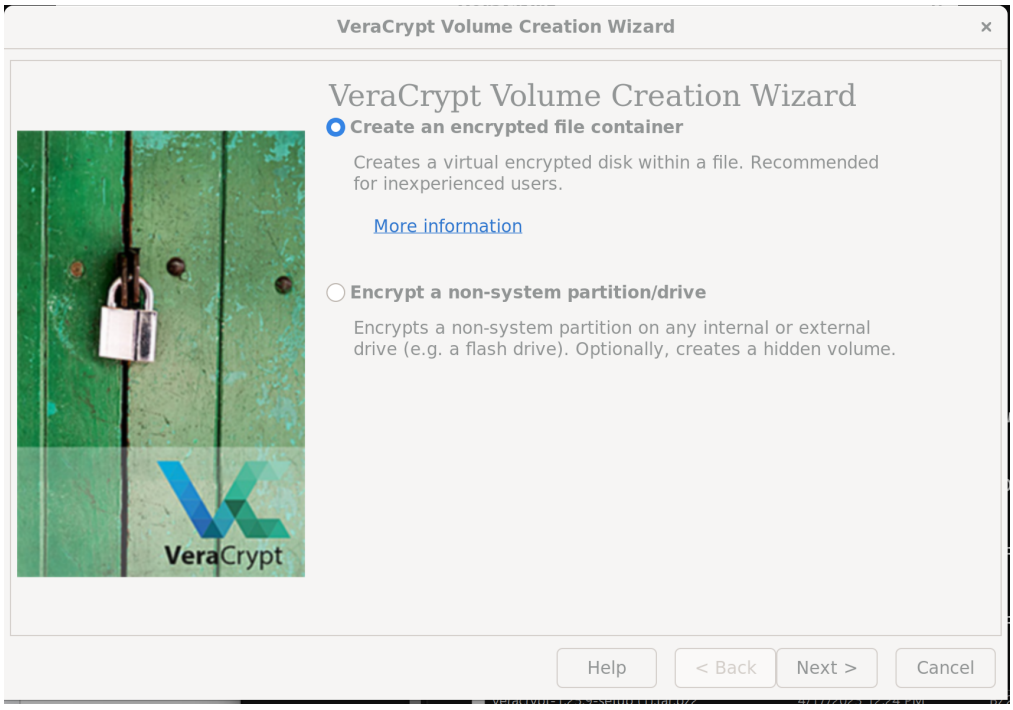
```
andydorsty@Andydorsty:~$ sudo apt update
Hit:1 http://security.ubuntu.com/ubuntu jammy-security InRelease
Hit:2 http://archive.ubuntu.com/ubuntu jammy InRelease
Hit:3 http://archive.ubuntu.com/ubuntu jammy-updates InRelease
Hit:4 http://archive.ubuntu.com/ubuntu jammy-backports InRelease
Hit:5 https://ppa.launchpadcontent.net/unit193/encryption/ubuntu jammy InRelease
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
227 packages can be upgraded. Run 'apt list --upgradable' to see them.
```



4. **Start VeraCrypt by entering “VeraCrypt”.**

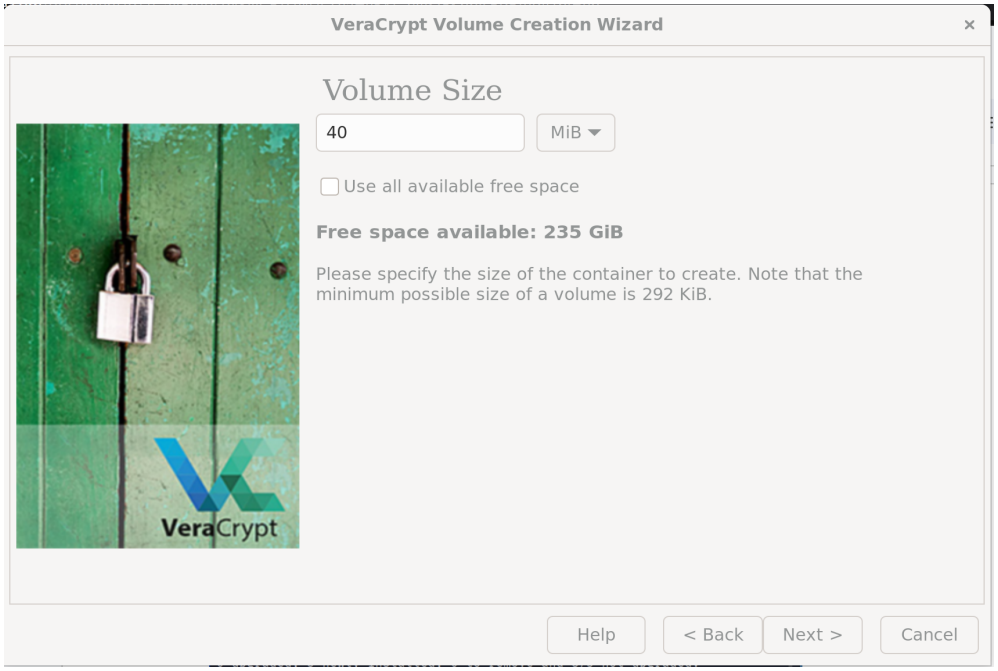


5. **Click on Create Volume.**

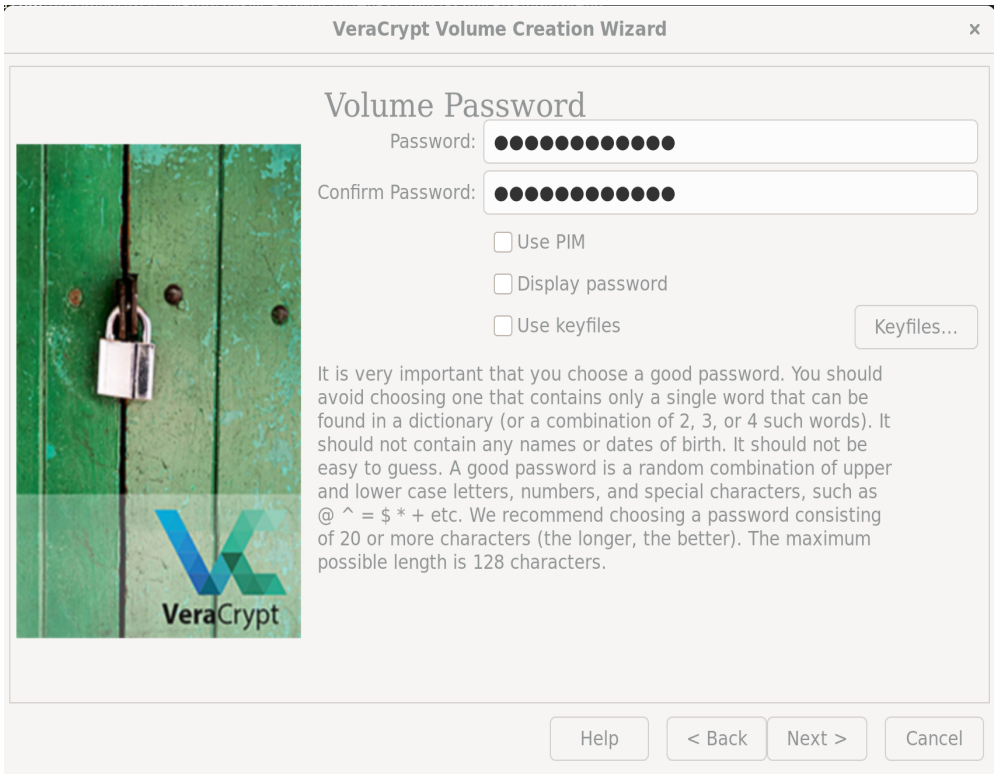


6. Choose Encryption Algorithm type.

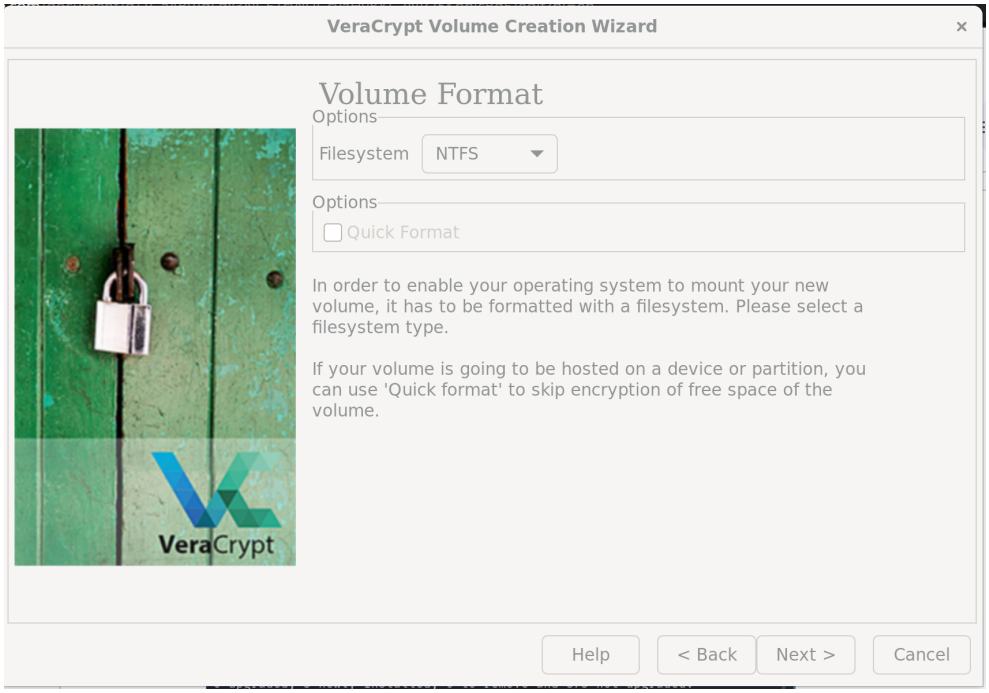
7. Select Volume size



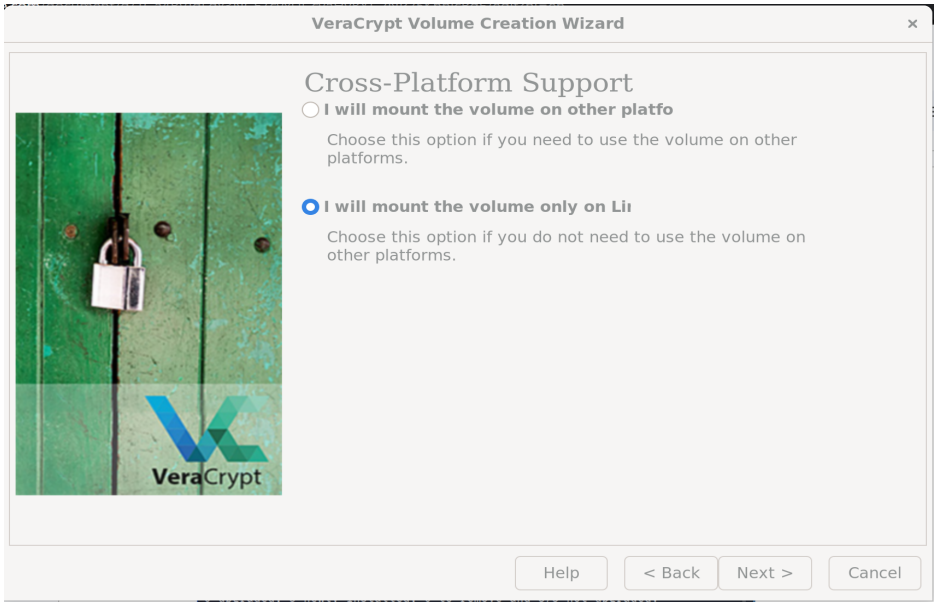
8. Create a password for the volume.



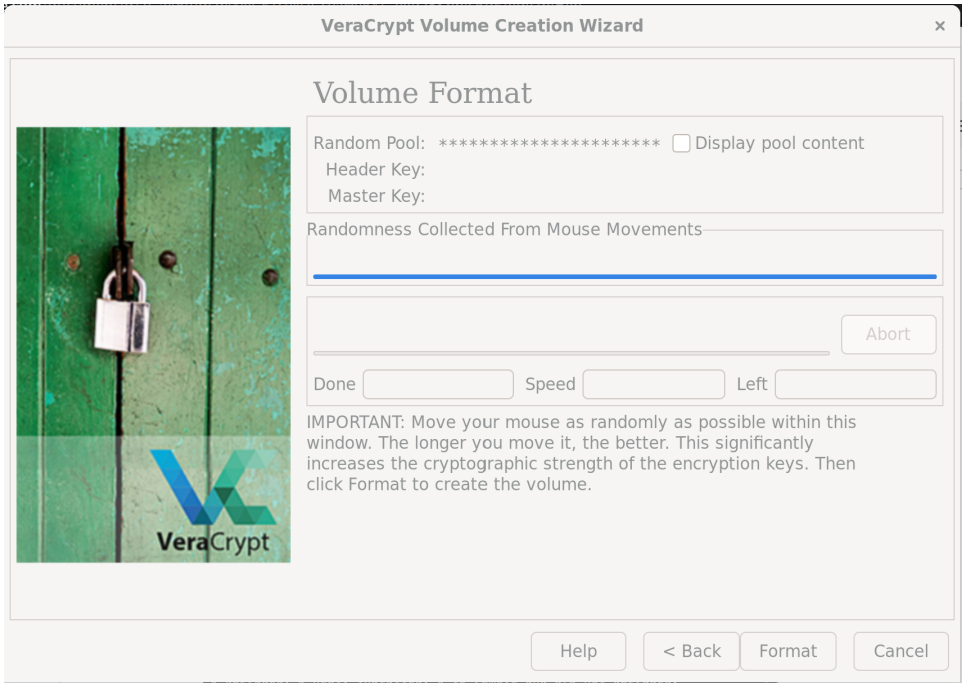
9. Select Volume format.



10. Choose a platform to mount the volume.



11. Randomly move the mouse pointer to increase the Cryptographic strength of the encryption key.



12. Enter password to authenticate the format request.