

1. Right-click on the .exe file of TrueCrypt and choose "Run as administrator".
2. A setup file wizard will appear and click on the "I agree".
3. Select "Install" under wizard mode. Click "Next".
4. Click "Install". Once done, open the TrueCrypt application.

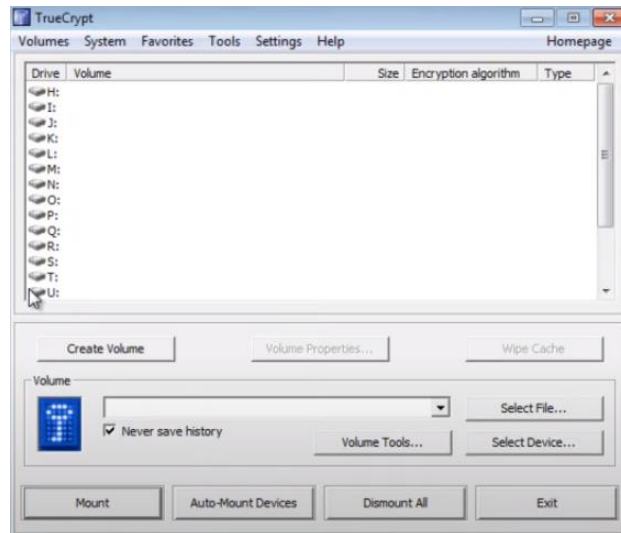


Figure 1. TrueCrypt Application

5. Click on the "Create Volume" and choose the "Create an encrypted file container". This will create a virtual encrypted disk.

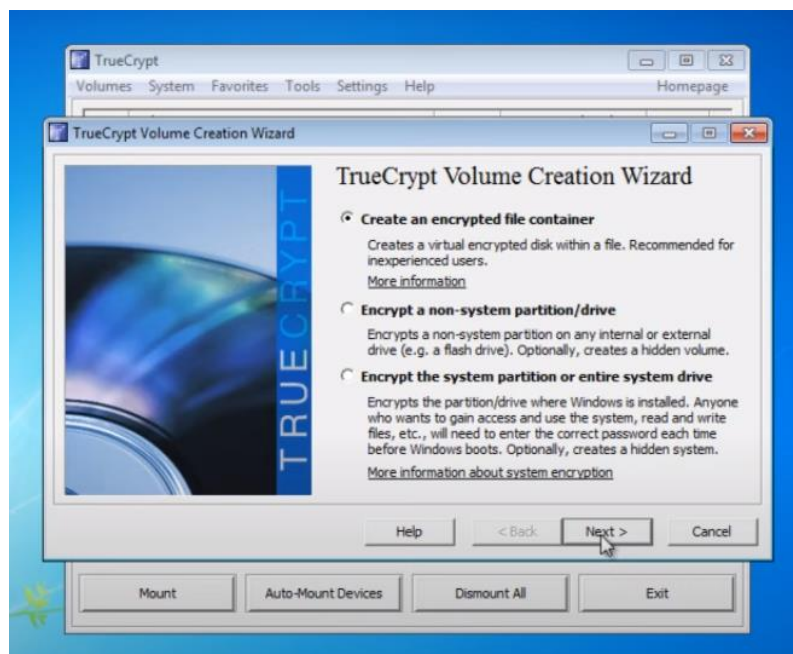


Figure 2. Create an encrypted file container

6. Click "Next" and select "Standard TrueCrypt volume". Click "Next" again.

7. Next is the location of the file must be selected. Click on "Select File" and select the location where you'll create an encrypted folder and give it a name:

EncryptedFolder

Click Ok.

8. Next, the encryption option must be set. Make sure that the encryption algorithm is set to AES which stands for Advanced Encryption Standard. This is the algorithm used for symmetric encryption.

9. Leave the rest of the options and click "Next".

10. Specify the volume size to 100 megabytes and click on "Next".

11. The wizard will then be directed to Volume Password and type this password:

Passw0rd

and retype the password under "Confirm".

Note: You may use a strong password by using an alphanumeric combination and special characters.

Key files can also be used which is any type of file, document, or image that can be used as a key to decrypt the folder.

You may also tick the checkbox for "Use key files" and click on the "Key Files" button.

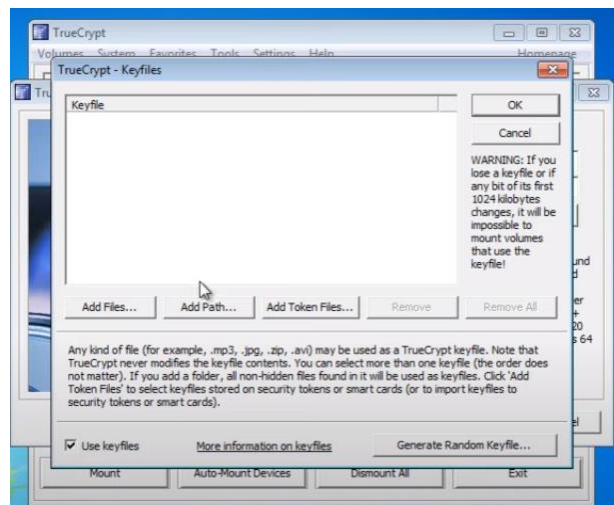


Figure. KeyFiles

Once the window opens up, click on "Add Files". Select the files you want to use to decrypt your data later.

Once done, click on "Ok".

12. TrueCrypt will now format the volume before encrypting it. Make sure to randomly move the cursor on the window to increase encryption strength. With that done, select the filesystem (which is "FAT" in this exercise) and click "Format".

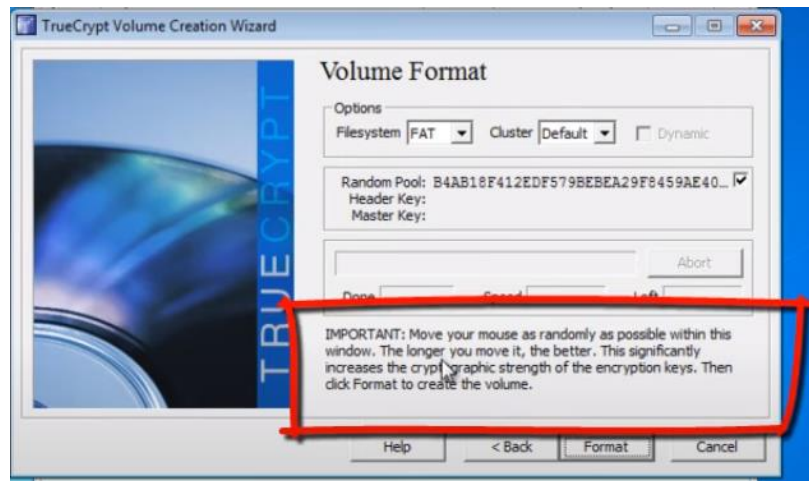


Figure 4. Moving the mouse cursor randomly

13. Once done, you will be notified that the partition is done.

14. Open your File Explorer and locate the encrypted folder.

To mount the encrypted folder:

1. Select the letter Z: drive and click on the "Select File" button.

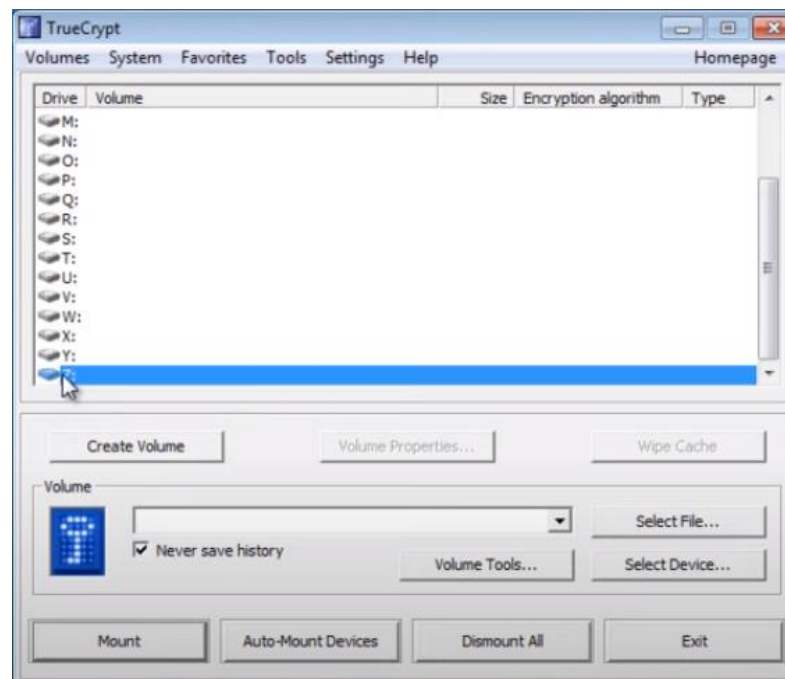


Figure 5. Select the Z: drive

2. Select the encrypted file which you want to mount. In this case, select the EncryptedFolder file.

Browse to the location of the file and select the encrypted folder.

3. Click "Mount" and enter the password:

4. Since we have ticked the "use key files", you will be required to add the same file to decrypt it.

If both password and key file are correct, TrueCrypt will mount the encrypted folder as a new drive on your computer. Now, the encrypted drive can be used like a normal drive.

To unmount the drive:

1. Select the drive inside TrueCrypt window and click on "Dismount" button.