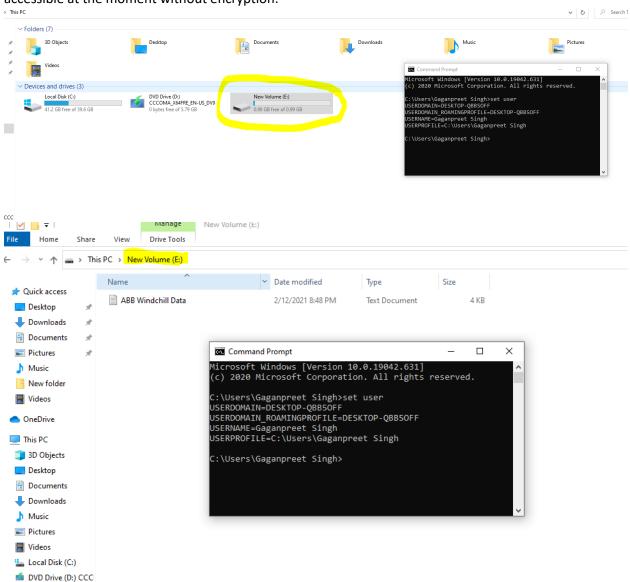
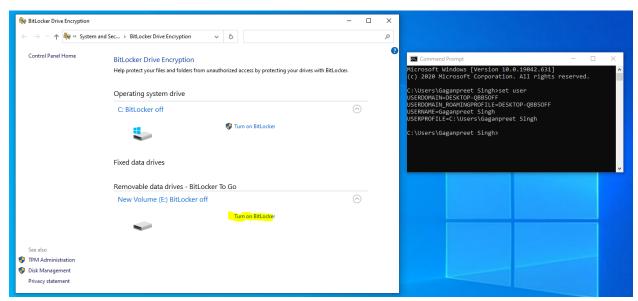
Activity: BITLOCKER

• Encrypting a Drive

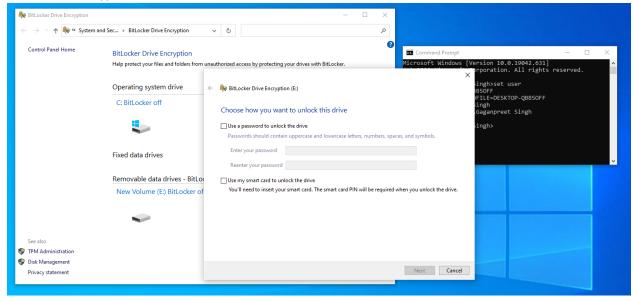
1. We are going to encrypt New Volume (E:) using BitLocker and it is clear the drive is accessible at the moment without encryption.



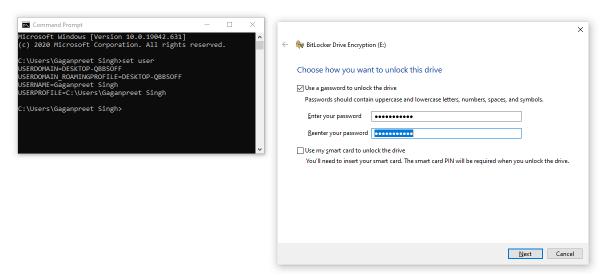
- 2. To Encrypt, Click Start, click Control Panel, click System and Security and click BitLocker Drive Encryption
- 3. Click Turn on BitLocker for the drive you want to encrypt.



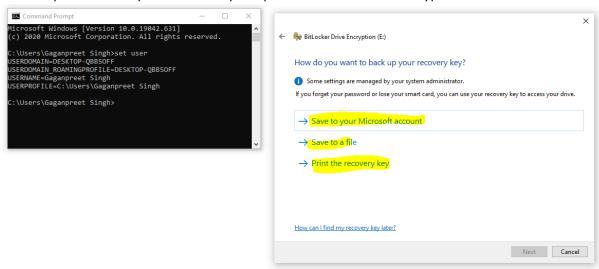
4. After Clicking BitLocker, a tab will open up which will ask to choose a format to unlock the drive after encryption.



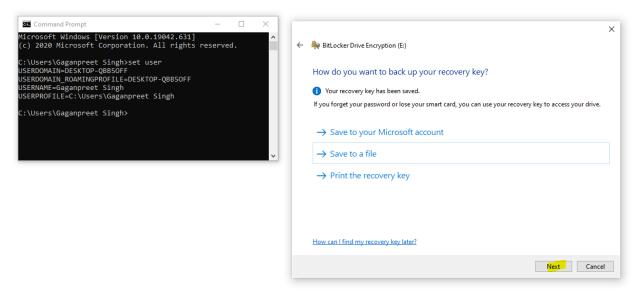
5. Click on "Use a password to unlock the drive" checkbox and set a password that must contain uppercase, numbers, spaces and symbols and confirm it. Click Next.



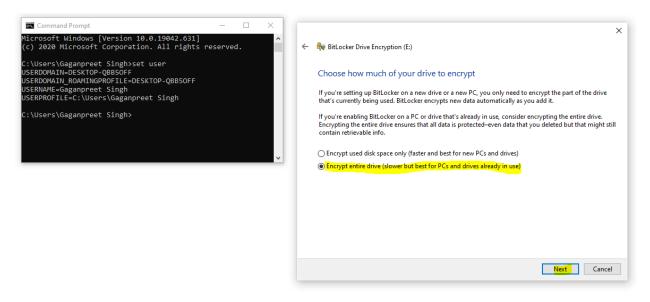
6. Now a new window with title How do you want to back up your recovery key will appear. This will provide us 3 options to backup the password we used for encryption.



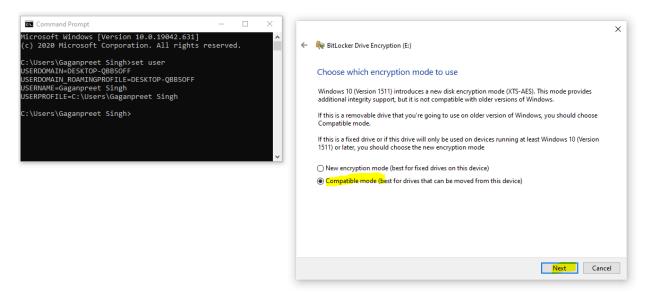
7. Click any option and click next.



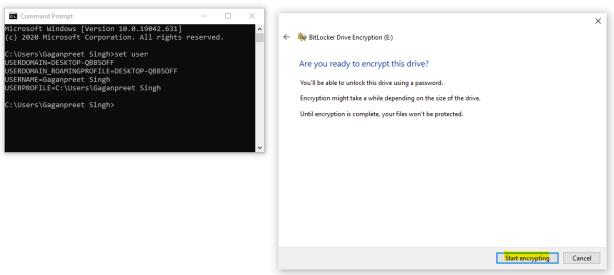
8. On Clicking next, we'll get an option to encrypt the whole drive or to encrypt the entire drive. Click encrypt entire drive because we don't have much data in the drive and click Next.



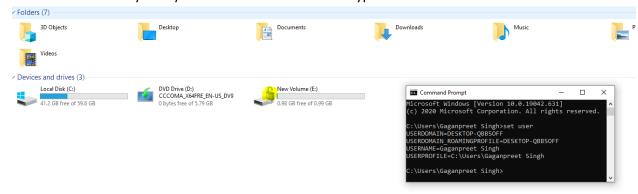
9. Choose the encryption mode according to your OS on the next tab and click next.



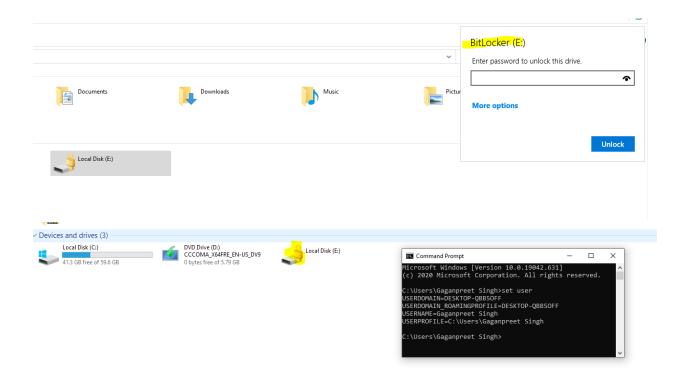
10. If Ready click on Start Encryption.



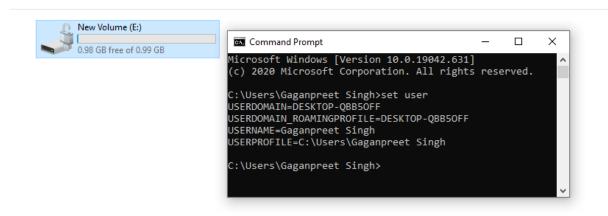
11. Click windows + E key and you'll see that the drive is encrypted but is unlocked.



12. Restart the machine and check. The drive is encrypted and would require the password to unlock.

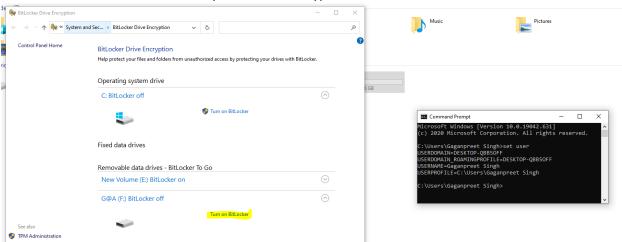


13. Enter the password to decrypt.

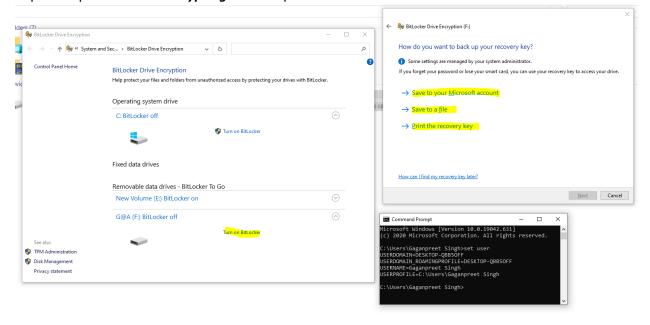


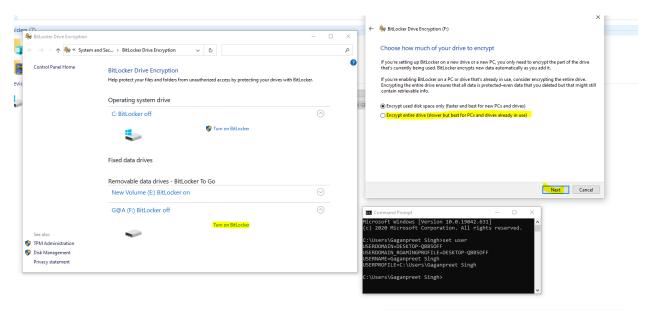
Encrypting a USB

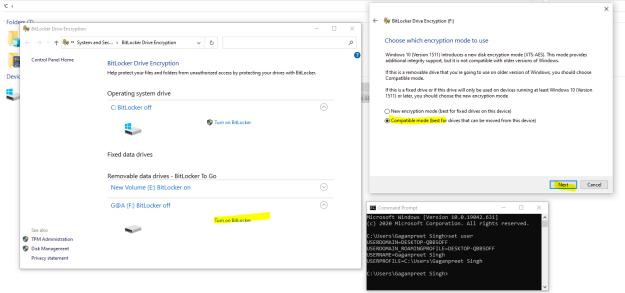
- 1. To Encrypt, Click Start, click Control Panel, click System and Security and click BitLocker Drive Encryption.
- 2. Click Turn on BitLocker for the USB you want to encrypt.

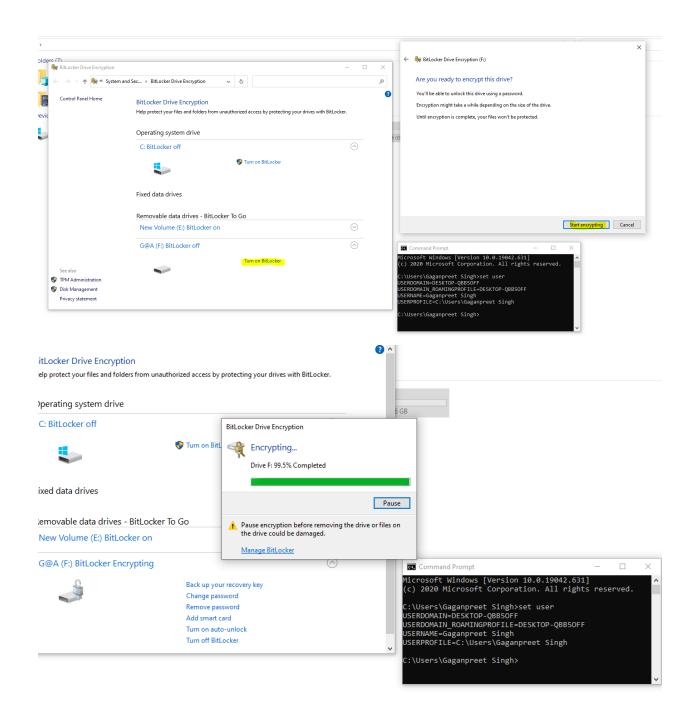


3. Repeat steps 4 to 10 of "Encrypting a Drive" process mentioned above.





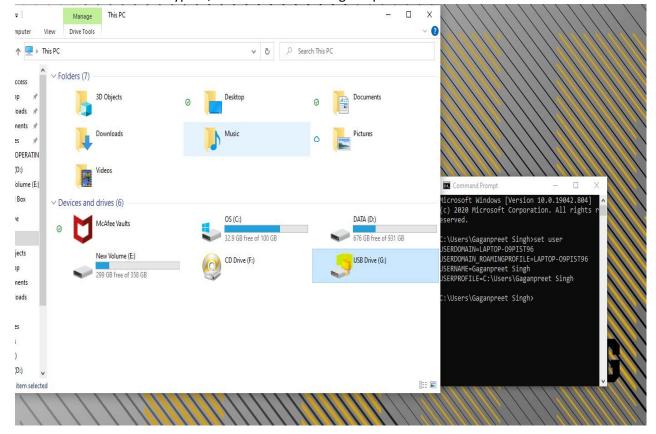


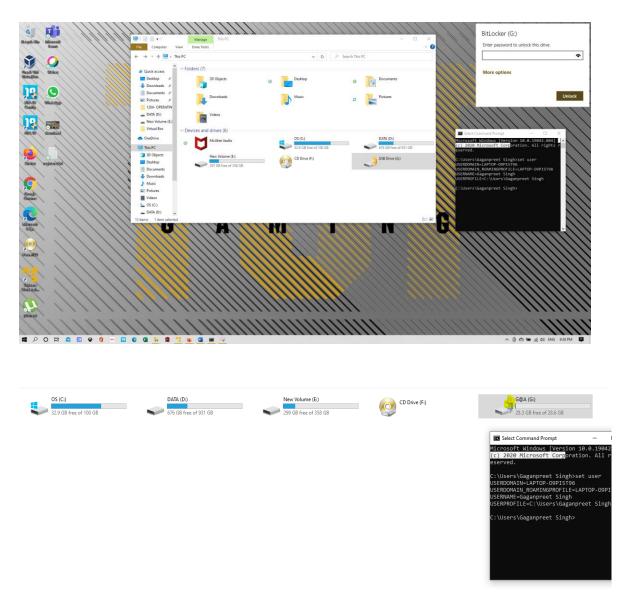


4. You can see now the USB is encrypted and unlocked.



5. Unplug the USB and connect again to another Machine. You can see clearly, we cannot access the USB as it is encrypted, we can unlock it using the password.





6. We can disable BitLocker and remove encryption too as shown in below image. Unlock the USB and click on TurnOff BitLocker.

Operating system drive

C: BitLocker off



Turn on BitLocker

Fixed data drives

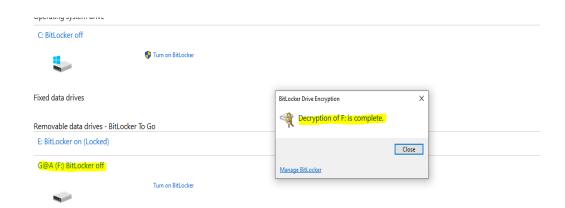
Removable data drives - BitLocker To Go

E: BitLocker on (Locked)

G@A (F:) BitLocker on

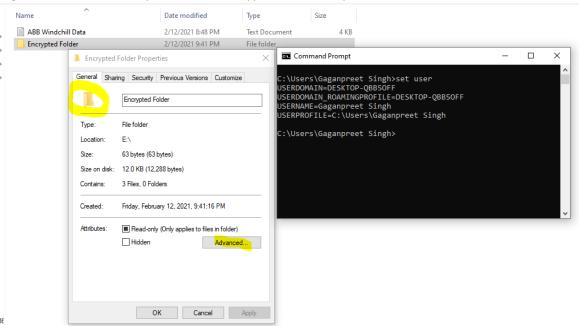


Back up your recovery key Change password Remove password Add smart card Turn on auto-unlock Turn off BitLocker

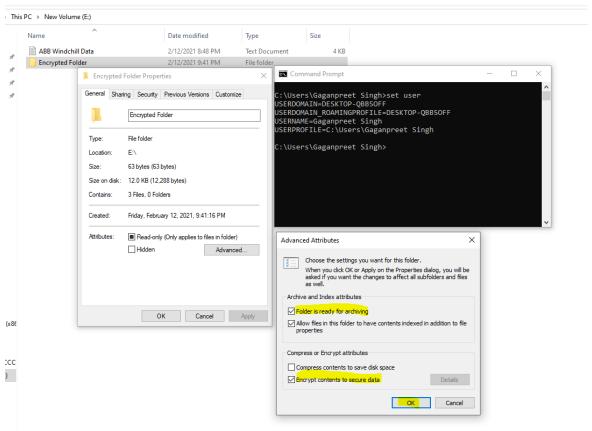


• Encrypting a Folder

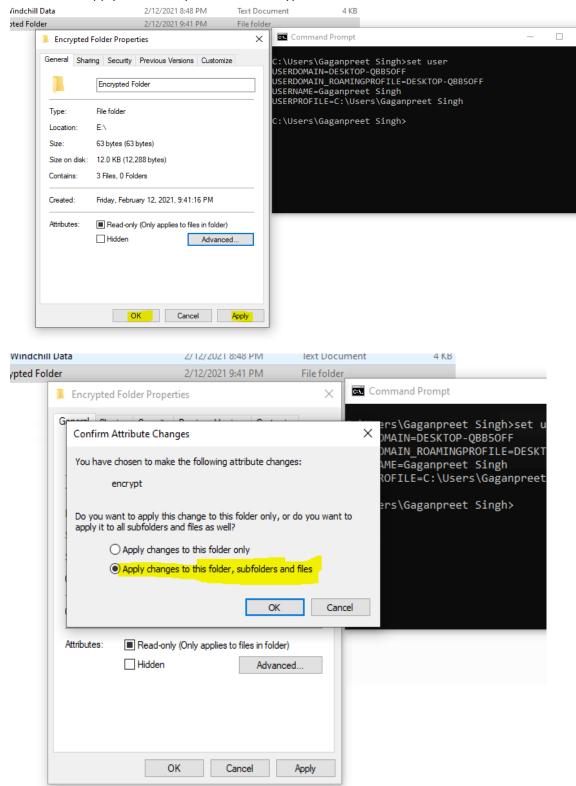
i. Right Click on the folder you want to Encrypt, Click on Properties. Click Advanced.



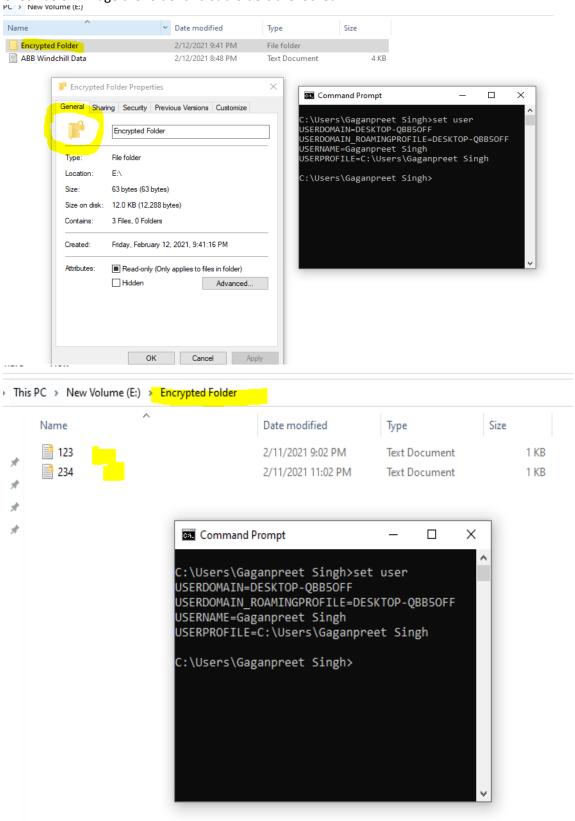
ii. Now, in the advanced attributes tab, click Encrypt contents to secure data checkbox and click ok.



iii. Click ok and Apply. Choose if you want to encrypt all files and folders inside it.



iv. Check below image the folder and subfolders are locked.



v. To remove lock, Right Click and click Properties tab on folder and go to advanced tab and uncheck the checkbox.

