## How to encrypt an external USB drive using Disk Utility in MacOS

To apply encryption to a USB drive there are two steps:

- I. Backing up the contents of the drive
- II. Formatting the USB drive with Encryption

## Back up the contents of the drive

- 1. Plug in the USB drive you want to Encrypt.
- 2. Open the USB drive in Finder, select the files to back up and copy them from the Finder edit menu.



3. Create a folder on the Mac local Hard Drive (you can name it "**Backup**") – this is where you will back up your copied files to. Then, from the Finder edit menu, paste the items in the folder you created.

		🛅 Desktop			
$\langle \rangle$		*· 🖞 🖸	Q s	earch	
Favorites	Name	New Folder		Size	Kin
AirDrop	🕨 🚞 Backup	Open in New Tab	М		Fold
	💝 xagtSetup_26.21.10.m	Move to Trash	2:46 AM	3.8 MB	Inst
Recents	agent_config.json	0.11 <i>1</i>	2:46 AM	6 KB	Plai
iCloud Drive	Screen Shot 2018-06-	Get Info	:57 PM	4.3 MB	PN(
Applications	Screen Shot 2018-06-	Rename	59 PM	2.8 MB	PN(
	Screen Shot 2018-06-	Compress "Backup"	:59 PM	2.4 MB	PN(
Desktop	Screen Shot 2018-06-	Duplicate Make Alian	:59 PM	2.4 MB	PN(
Documents	Screen Shot 2018-06-	Ouick Look "Backup"	:59 PM	2.4 MB	PN(
Downloads	Screen Shot 2018-06-	Quick LOOK Dackup	:59 PM	2.4 MB	PN(
Downloads	Screen Shot 2018-06-	Copy "Backup"	:00 PM	2.4 MB	PN(
Devices	Screen Shot 2018-06-	Paste 6 Items	:00 PM	2.4 MB	PN(
0			0.0 014	0.4.1.0	- DA 14

4. Make sure all your files have been copied to the folder as the encryption process will wipe the USB drive.

	📃 Backup			
$\langle \rangle$			Q Search	
Favorites	Name ^	Date Modified	Size	Kind
AirDrop	Screen Shot 2018-09-06 at 10.44.10 AM	Today at 10:44 AM	66 KB	PNG ir
	Screen Shot 2018-09-06 at 10.46.02 AM	Today at 10:46 AM	18 KB	PNG ir
Recents	Screen Shot 2018-09-06 at 10.46.29 AM	Today at 10:46 AM	49 KB	PNG ir
iCloud Drive	Screen Shot 2018-09-06 at 10.47.29 AM	Today at 10:47 AM	27 KB	PNG ir
Applications	Screen Shot 2018-09-06 at 10.51.24 AM	Today at 10:51 AM	58 KB	PNG ir
Deskten	Screen Shot 2018-09-06 at 10.53.05 AM	Today at 10:53 AM	26 KB	PNG ir
Desktop				

## Format the USB drive for encryption

1. Go to Applications > Utilities > **Double-click Disk Utility**.

• • •	जिस	Applications			
$\langle \rangle$			Q Se	arch	
Favorites	Name ^	Date Modified	Size	Kind	
AirDrop	🔻 🔀 Utilities	Dec 9, 2017 at 10:54 AM		Folder	
	Activity Monitor	Sep 4, 2018 at 1:51 PM	12.7 MB	Application	
Recents	🕨 📄 Adobe Appon Manager	Dec 9, 2017 at 10:54 AM		Folder	
iCloud Drive	Adobe Creative Cloud	Feb 28, 2017 at 7:49 AM		Folder	
Applications	🖊 Adobe Flasall Manager	Dec 8, 2016 at 2:04 PM	1.2 MB	Application	
	Adobe Installers	Feb 28, 2017 at 8:34 AM		Folder	
Desktop	leither and the second	Sep 4, 2018 at 1:51 PM	38.3 MB	Application	
Documents	Audio MIDI Setup	Sep 4, 2018 at 1:51 PM	3.9 MB	Application	
C Downloads	🞄 Bluetooth File Exchange	Sep 4, 2018 at 1:51 PM	1.1 MB	Application	
Downloads	Boot Camp Assistant	Sep 4, 2018 at 1:51 PM	3.8 MB	Application	
Devices	💐 ColorSync Utility	Sep 4, 2018 at 1:51 PM	5.3 MB	Application	
Remote Disc	E Console	Sep 4, 2018 at 1:51 PM	2.6 MB	Application	
	😥 Creative Cloud Packager	Dec 9, 2017 at 10:54 AM	75 bytes	Alias	
USB to E ≜	Ø Digital Color Meter	Sep 4, 2018 at 1:51 PM	509 KB	Application	
Tags	🔊 Disk Utility	Sep 4, 2018 at 1:51 PM	6.6 MB	Application	
Dod	灯 Grab	Sep 4, 2018 at 1:51 PM	1.6 MB	Application	

2. Select your USB drive and then click on the **Erase** tab.

			t	Disk Utilit	ty .		
-	6		49 D		5		(1)
View	Volume	F	irst Aid Partition	Erase	Restore Mount		Info
Internal	LE HDD HTS5 acintosh HD eric Flash Dis ▲ Z ▲	CZ 15.57 GB	neric Fla External Physic	ash D al Disk •	<b>isk Media</b> GUID Partition Maj	p	16.15 GB

3. Give a name to the USB media and choose **Mac OS extended (Journaled, Encrypted)** from the Format menu.

Erase "Generic Flash Disk Media"? Erasing "Generic Flash Disk Media" will delete all data stored on it, and cannot be undone. Provide a name, choose a partition map and format, and click Erase to proceed.		
Name:	USB to Encrypt	
Format:	Mac OS Extended (Journaled, Encry ᅌ	
Scheme:	GUID Partition Map	
Security Opt	ions Cancel Erase	

4. Enter the password you will use to access the USB drive once it is encrypted and click on **Choose.** 

Password:	•••••
Verify:	•••••••••••
Password hint: (recommended)	
	Cancel Choose

5. Press the **Erase** button to start the encryption process.

Era sto cho pro	ase "Generic Flash Disk Media"? sing "Generic Flash Disk Media" will delete all data red on it, and cannot be undone. Provide a name, sose a partition map and format, and click Erase to ceed.
Name:	USB to Encrypt
Format:	Mac OS Extended (Journaled, Encry
Scheme:	GUID Partition Map
Security Opt	ions Cancel Erase

The disk will take a few minutes to format and encrypt. The time taken will vary depending on the size of the disk.

	Erasing "Generic Flash Disk Media" and creating "USB to Encrypt" Creating the partition map	
Show De	tails Done	

6. Once the encryption process is finished, unplug the USB drive and plug it in again, you will notice that this time you will be asked for a password to access the drive. Your device is now encrypted.

Enter a password to unlock the disk "USB to Encrypt".
Password:
Remember this password in my keychain
Cancel Unlock