



# Cryptomator

User Manual

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# Overview

With Cryptomator your data is [managed in vaults](#). You can think of a vault as a real, portable vault. Data you put into the vault is encrypted and secure.

You can [access your data](#) using the Cryptomator application and the vault password. If the vault is stored in the cloud you can even do this using separate computers or your iPhone or iPad. You may also use a vault on multiple computers using an external drive.

If you use a vault with Cryptomator, it will be displayed as a “virtual drive”. You can use this drive like using a regular USB flash drive or hard disk drive. All files and folders you create inside the virtual drive will be encrypted and placed in the storage location of the vault on-the-fly.

The encrypted data is stored in a regular directory in the cloud, on your hard disk drive, or a USB flash drive. You can freely choose the storage location of each vault. When navigating to the storage location of a vault without Cryptomator, you will only see a collection of directories and files with cryptic names and contents. You can recognize the storage location of a vault by the *masterkey.cryptomator* file inside.

## Desktop Application

### System Requirements

The Cryptomator application is available for Windows, Mac OS X, and Debian-based Linux systems (Ubuntu, Linux Mint, etc.).

For experts Cryptomator is available as a JAR file. Thus Cryptomator is available on all systems supporting Java. In this case the installation of Java in version 8 or higher and the Java Cryptography Extension (JCE) is required.

### Download and Installation

To download Cryptomator visit <https://cryptomator.org/downloads>. Downloads for all supported operating systems are available. At the bottom of the page download links for previous versions are listed.

If you use Windows and you are not sure if you need the 32 or 64 bit version, try to install the 64 bit version first. If this does not work, use the 32 bit version.

After downloading proceed as follows:

## Windows

Launch the downloaded .exe file and follow the setup as usual. Afterwards Cryptomator can be launched through the start menu.

## Mac OS X

Open the downloaded .dmg file, accept the license, and drag & drop Cryptomator onto the applications folder.

In case the application is blocked by Gatekeeper, please contact Apple for support how to change Gatekeeper to mode „Mac App Store and verified developers“.

## Debian Linux

Install the downloaded .deb file using your package manager. During installation a launcher for Cryptomator will be created in the menu.

## JAR File

We do not recommend inexperienced users to use the JAR version because it shares a Java Runtime Environment with the other programs installed and is not separated from the rest of the system if a security issue is present there.

Copy the JAR file to a location of your choice. Ensure that Java with version 8 or higher and the JCE is installed. In some systems Cryptomator can be launched by double clicking or, as an alternative, using the command

```
> java [OPTIONS] -jar Cryptomator-1.0.0.jar
```

.

If you like, replace [OPTIONS] with the following values:

<code>-Dcryptomator.logPath=~/.some/path/</code>	Defines the path the logfile is created in.
<code>-Duser.language=en</code>	Allows setting the display language. Possible values are <i>de</i> or <i>en</i> at this time.
<code>-Dcryptomator.settingsPath=...</code>	Defines the location of the settings file.

## Manage Vaults

After starting Cryptomator the vault overview is displayed. When launching Cryptomator for the first time, you will see only an empty list and a hint stating that you can create new vaults.

## Create Vaults

To create a new vault click on the plus sign and choose “Create vault”. You can now select the storage location. Navigate to the desired location, enter the name for your vault and click “Save”.

After choosing the storage location you will be prompted for a password. You have to remember this password at all times because there is no way to access your data if you forget your password. Choose a good password to make your data secure. We recommend to use at least 10 characters, ideally use sentences instead of words.

After you’ve created the vault, you can [access your data](#).

To make your vault available in the cloud you have to choose a storage location inside the cloud folder, e.g. inside your Dropbox or Google Drive folder. By doing this you can access your vault on all devices with access to your cloud and Cryptomator installed.

As an alternative you can store your vault in any other location like your user directory or an external drive. You can use such vaults only where you can access the storage location. Respectively your computer or the computer you connect your external drive to.

## Open Vaults

You have to open vaults you created on another device, e.g. your iPhone, to have them displayed in Cryptomator. To do this click on the plus sign and choose “Open vault”. Navigate to the storage location of your vault and choose the file *masterkey.cryptomator* and click on “Open”.

After you’ve opened the vault, you can [access it](#).

## Remove Vaults

If you want a specific vault to stop being displayed in Cryptomator, you can select it and remove it using the minus sign. By doing this, the vault is only removed from the list but not deleted. You can [re-add the vault](#) afterwards.

To permanently delete a vault perform the following steps.

## Delete Vaults

To delete a vault permanently navigate to the storage location of the vault. The storage location is displayed in Cryptomator below the vault name or when hovering the vault. The symbol “~” stands for your user directory.

You can now delete the folder that contains the *masterkey.cryptomator* file as you would do with other files and folders.

## Access Your Data

### Unlock a Vault

If you want to access the data inside a vault, you have to unlock it. Currently locked vaults are marked with a red dot in Cryptomator's vault list. Unlocked vaults are marked with a green dot.

If you select a locked vault, you can unlock it by entering your password. After entering the correct password Cryptomator displays a diagram showing the currently en- and decrypted amount of data. In addition, the virtual drive containing the decrypted data is opened.

You can now use this drive with the open and save dialogs of other programs to access the data in the vault and work with the files as usual.

### Further Options

When unlocking a vault, you can display further options. Here you can change the name of the virtual drive. In addition, Windows users can set the drive letter.

### If the Vault is Already Unlocked

If a vault is already unlocked, you can search the virtual drive using your file browser. You can also display it using Cryptomator. Choose the unlocked vault, click on the small arrow next to "Lock vault" and choose "Reveal drive".

Experts may copy the WebDAV-URL. You can use it with the WebDAV client of your choice to access the vault.

### Lock a Vault

If you no longer want to access the data in a vault, you can lock it in Cryptomator by clicking on "Lock vault".

By doing this, accessing the files in the vault is only possible after unlocking the vault using the password.

## Quit Cryptomator

As long as the vaults are unlocked, the Cryptomator window can be closed without quitting the application. Cryptomator will be minimized to the tray icon. By right clicking it, you can open or quit Cryptomator.

Be careful not to quit Cryptomator in this way, if you still want to access the files in the vaults with other programs.

## Settings

The settings are displayed using the gear button.

### Update Check

You can disable automatic update checks here. If you do this, we recommend that you regularly check <https://cryptomator.org> for updates to profit from all bug fixes and improvements.

### WebDAV Port

Experts can set the port used by the Cryptomator WebDAV server. Cryptomator must be restarted to activate changes done here. To re-enable the standard behavior and thus let Cryptomator choose a free port you can enter the value "0".