

FileVault



FileVault secures the data on your disk by encrypting its contents automatically.

Turn On FileVault...

WARNING: You will need your login password or a recovery key to access your data. A recovery key is automatically generated as part of this setup. If you forget both your password and recovery key, the data will be lost.

FileVault is turned off for the disk "Macintosh HD".

Quick Look

FileVault is Apple's built-in full disk encryption feature for macOS, created to safeguard sensitive information by encrypting the entire startup disk.

By requiring a password or recovery key at startup, it ensures that all data stored on a Mac remains protected and inaccessible to unauthorized users, particularly in cases where the device is lost or stolen.

FileVault employs XTS-AES-128 encryption with a 256-bit key, delivering strong security without noticeably affecting system performance.

It integrates smoothly with the macOS environment, offering simple setup, recovery key storage options, and convenient support for multiple user accounts.

Features

FileVault offers strong capabilities to deliver comprehensive full disk encryption for macOS users:

- **Encrypts the entire startup disk to safeguard data at rest**
- **Protects against unauthorized access if a Mac is lost or stolen**
- **Uses XTS-AES-128 encryption with a 256-bit key for robust security**
- **Supports multiple user accounts with individual access permissions**
- **Provides recovery key options to restore access if a password is forgotten**

How to Use

How to use FileVault on macOS:

- **Open System Settings and navigate to Privacy & Security > FileVault**
- **Click Turn On FileVault to begin the encryption setup**
- **Choose to allow iCloud to unlock the disk or create a separate recovery key for secure backup**
- **Ensure each user account with access to the Mac is enabled to unlock the disk**
- **Restart your Mac to activate encryption; FileVault will begin encrypting the startup disk in the background**