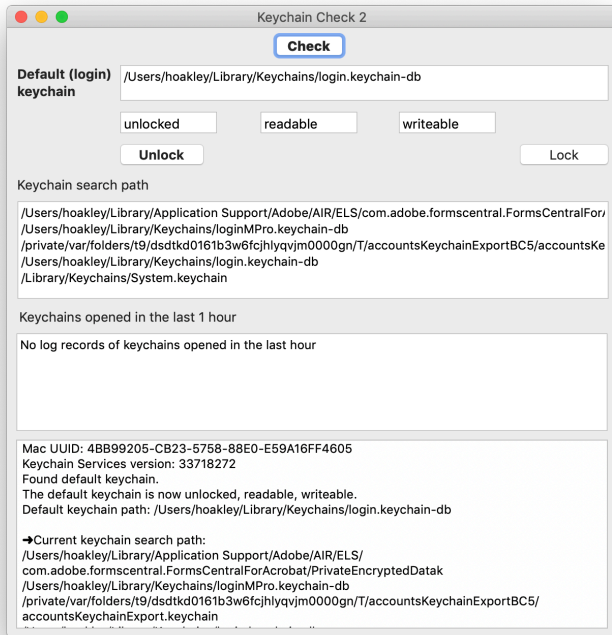


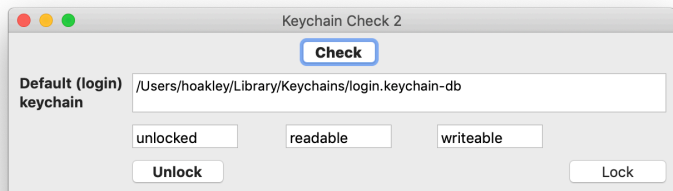
Start



KeychainCheck 2 is a simple utility to work with local and iCloud keychains in Sierra and later. It tells you where your default keychain is located, basic information about it including whether it's locked or not, lists all the keychains which are currently active, and those which have been opened over the last hour (Sierra only). It also provides more extensive information about the contents of each of your keychain folders, including that used by iCloud Keychain. It lets you unlock and lock your default keychain without having to open Keychain Access.

[→ Use](#)[→ Details](#)

Use



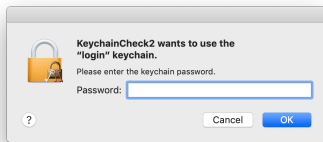
KeychainCheck 2 has three simple button controls:

- **Check**, which runs its checks and updates the information in its text boxes;
- **Unlock**, which unlocks your default (login) keychain;
- **Lock**, which locks your default (login) keychain.

When you click on the Check button, KeychainCheck 2 runs its full battery of tests, and completes the text boxes as shown below. Tests take a few seconds, as they include careful examination of your Mac's log for the last hour to determine which keychains have been opened over that period. You might see the spinning beachball cursor for a few seconds, which doesn't mean that the app has hung or crashed.

Displayed in the **Default (login) keychain** box is the full path to the keychain which macOS is using as your main user keychain at present. Even if you are using iCloud Keychain, this should be a path to the file named login.keychain-db in the Library/Keychains folder of your Home folder. If it isn't, then you need to establish why.

Below that box are three smaller boxes, which tell you whether that default keychain is locked, readable, and writeable. You can change two of those by clicking on the **Unlock** or **Lock** buttons nearby. When you click on **Unlock**, a dialog will appear requiring you to enter the password for your default keychain (which should be the same as your normal user login password) in order to unlock that keychain, although in Catalina that may only appear when you click on **Lock**.



→ [Use \(concluded\)](#)

→ [Start](#)

Use (concluded)

Further down is a list of keychains which are in the current search path. These normally include your default keychain, and the System keychain. You may well see others which you didn't know existed.

Below that is a list of the keychains which your Mac has opened in the last hour, taken from your Mac's log. Unfortunately, because of changes which Apple has made in High Sierra and later, you are unlikely to see any keychains listed here when KeychainCheck 2 is run on them. On Sierra, though, you are likely to see additional keychains, such as the System Root Certificates, and possibly Apple Push Services apsd.

The bottom scrolling box contains the hardware UUID number of your Mac, its version number of Keychain Services, all the information from the other boxes, and a lot more too.

You can save that to a text file using the **Save...** command in the **File** menu. You can also select, copy and paste any of the text, but cannot modify it within this app.

You can resize text in the lower scrolling window between 4 and 24 points using ⌘+ to enlarge and ⌘– to reduce the size.

Further information about and support for KeychainCheck2 is available from its product page, which is easily accessed through the **KeychainCheck2 Support** command in the **Help** menu, which opens that page in your default browser.

→ [Details](#)

Details

Mac UUID: this should correspond with the Hardware UUID given in System Information.

Keychain Services version: this should be 33718272 for all versions of macOS from 10.12 to 10.15.

Default keychain path: should be `/Users/[username]/Library/Keychains/login.keychain-db` where [username] is the short user name of the current user.

Current keychain search path: should include the default keychain and `/Library/Keychains/System.keychain`.

Keychain system search path: should include `/Library/Keychains/System.keychain`.

Keychain common search path: should include `/Library/Keychains/System.keychain`.

Keychain dynamic search path: most probably empty.

Keychain user search path: should include the default keychain.

Keychains opened in the last hour: normally includes the default keychain and `/Library/Keychains/System.keychain`. In High Sierra and later, is likely to be empty.

Contents of `~/Library/Keychains`: should include `login.keychain-db`, and is likely to include `metadata.keychain-db` too. For each file found, the date and time of last modification is given first, then that of the file's creation, then the size in bytes. The default keychain should not be empty.

Contents of `~/Library/Keychains/[UUID]`: this is the folder used for iCloud Keychain, or for the Local Items listed in Keychain Access. It may not exist, but if it does it should include `keychain-2.db` at least, and sometimes much more.

Contents of `/Library/Keychains`: should include `System.keychain`, and may well also include the Apple Push Services keychain `apsd.keychain`

Contents of `/System/Library/Keychains`: should include `SystemRootCertificates.keychain` and is likely to contain `EVRoots.plist`, `X509Anchors`, and `SystemTrustSettings.plist`.

→ [Change list](#)

Change list

2.0b1:

- added code integrity check
- added Help and link to support page
- changed behaviour of buttons to reflect the locked state
- added text size control
- improved saving of window sizes and locations
- ported to Swift 5 and Xcode 10.3
- replaced app icon.

2.0a4:

- added Browse updates command to Help menu
- built using Xcode 10B2
- fixed Dark Mode.

2.0a3:

- Xcode 9.2
- restructured code
- added hardware UUID info
- added user search path info
- added Keychains folder contents
- custom app icon.

2.0a2:

- first release.

2.0a1:

- initial development, ported to Swift 4.0 and Xcode 9.1.

28 August 2019.