

# How to use the Safe Boot option of Mac

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Apple has provided the Safe Boot option (sometimes called Safe Mode) since Jaguar (OS X 10.2.x). Safe Boot may be the main troubleshooting step when you encounter problems with your Mac. These can be problems when booting a Mac or problems encountered when using a Mac, such as non-booting applications or seemingly causing your Mac to freeze, crash or turn off.

Safe Boot works by allowing Mac to boot with a minimum of system extensions, options and fonts needed to run. By reducing the number of boot processes to only the required components, Safe Boot can help you fix the problem by isolating the problem.

Safe Boot can cause a Mac to run again after a problem due to an application or data problem, a problem with installing software or an optional font or file. In any case, the problem you might encounter is that the Mac doesn't boot completely, freezes at some point on the way to the desktop, the Mac boots up successfully, but then freezes or crashes when perform tasks or use specific applications.

## Safe Boot and Safe Mode

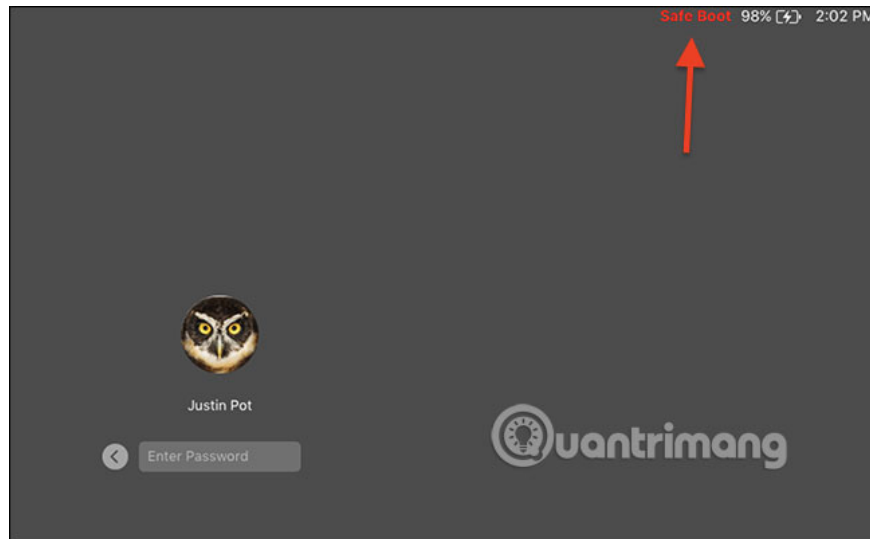
You may have heard about these two terms. Technically, they are not interchangeable, but most people will not care about the terminology you use. **Safe Boot** is the process of forcing Mac to boot using minimal system resources. **Safe Mode** is the mode in which the Mac works after completing Safe Boot.



## What happens during Safe Boot?

During the boot process, Safe Boot will perform as follows:

1. Perform the boot drive directory check.
2. Load at least the kernel extensions that OS X needs to run.
3. Disable all fonts other than fonts located in / **System** / **Library** / **Fonts**. These are the fonts provided by Apple. All other third-party fonts will be disabled.
4. Move all cache fonts to the trash.
5. Disable all startup items or login.
6. Clear the dynamic loader cache (OS X 10.5.6 or higher). This can correct the problems that cause the blue screen to freeze on startup.



## Some features will not be available

When Safe Boot is complete and you are on the Mac desktop, you will operate in Safe Mode. Not all OS X features work in this special mode. Specifically, the following features will be limited or completely inactive:

1. DVD Player will not work.
2. iMovie will not be able to record videos.
3. Devices connected to the audio input or output port will not work.
4. The internal or external modem will not work.
5. AirPort card may not work. This depends on which version of the card and operating system is being used.
6. Quartz Extreme will not run. Applications that use Quartz Extreme features, such as translucent windows, may not work correctly.
7. File sharing over the network will be disabled in OS X 10.6 or later.

## How to start Safe Boot and run in Safe Mode

To Safe Boot Mac with a wired keyboard, do the following:

1. Turn off the Mac.

2. Press and hold the Shift key.
3. Start the Mac.
4. Release the Shift key when you see the login window or desktop.



To Safe Boot Mac with Bluetooth keyboard, do the following:

1. Turn off the Mac.
2. Start the Mac.
3. When you hear the Mac boot sound, press and hold the Shift key.
4. Release the Shift key when you see the login window or desktop.

With a Mac running in Safe Mode, you can fix the problem you are having, such as by deleting an application, removing startup items or logging in to cause problems or launching Disk First Aid. and repair rights.

You can also use Safe Mode to start reinstalling the current version of Mac OS with the combo update package. The combo update packages will update the system files that may be corrupted or lost, without touching any user data.

In addition, you can use the Safe Boot process as a simple Mac maintenance process, wiping out the cache files that the system uses, preventing their size from becoming too large and slowing down one. Other process numbers.

Hope you are succesful.

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