Information Security Office Compliance

• Operating system and application services security patches are installed expediently (e.g., 30-days) and in a manner consistent with change management procedures. Products that no longer receive security updates from the vendor (e.g., unsupported) are not authorized.

• Apple does not provide security updates for anything later than the last three operating systems released. At this time, you need to be running at least macOS Mojave 10.14.6 (this is likely to change Fall 2021) to be in compliance with the Information Security Office’s minimum security standards.

Minimum Requirements

<table>
<thead>
<tr>
<th>macOS Big Sur 11</th>
<th>macOS Catalina 10.15</th>
<th>macOS Mojave 10.14</th>
</tr>
</thead>
<tbody>
<tr>
<td>Released: November 12, 2020</td>
<td>Released: October 7, 2019</td>
<td>Released: September 24, 2018</td>
</tr>
</tbody>
</table>

General Requirements

- OS X 10.9 or later
- 4GB of memory
- 35.5GB available storage (macOS Sierra 10.12.6 or later)*

* Requires up to 44.5 GB of available storage to upgrade from earlier releases.

Mac Hardware Requirements

- MacBook (2015 or later)
- MacBook Air (2013 or later)
- MacBook Pro (Late 2013 or later)
- Mac mini (2014 or later)
- iMac (2014 or later)
- iMac Pro (2017 or later)
- Mac Pro (2013 or later)

Mac Hardware Requirements

- MacBook (Early 2015 or newer)
- MacBook Air (Mid 2012 or newer)
- MacBook Pro (Mid 2012 or newer)
- Mac mini (Late 2012 or newer)
- iMac (Late 2012 or newer)
- iMac Pro (2017)
- Mac Pro (Late 2013 or newer)

Mac Hardware Requirements

- MacBook (Early 2015 or newer)
- MacBook Air (Mid 2012 or newer)
- MacBook Pro (Mid 2012 or newer)
- Mac mini (Late 2012 or newer)
- iMac (Late 2012 or newer)
- iMac Pro (2017)
- Mac Pro (Late 2013; Mid 2010 and Mid 2012 models with recommended Metal-capable graphics cards)
Know Before You Upgrade / Known Issues

Starting with macOS Catalina 10.15, 32-bit apps are no longer compatible with macOS.

https://support.apple.com/en-us/HT208436

How to find and view all 32-Bit apps on a Mac:

1. Hold down the option/Alt key on your keyboard, then select the Apple menu
2. Choose “System Information...” from the top of the Apple menu list
3. In the System Information app, scroll down on the left-side menu and choose 'Applications' under 'Software'
4. Look for the '64-bit (Intel)' option in the column header in the top box on the right, and click the title to sort the column by 64-bit
5. Every app that says ‘No’ is 32-bit, every app that says “Yes” is 64-bit

***Most software developers have updated their apps to 64-bit, but if you have special software you use and need to make sure it works on an up-to-date operating system, please confirm compatibility with the developer.***

Box Drive is not currently supported on Apple’s M1 chip.

https://support.box.com/hc/en-us/articles/360043695774-Mac-Specific-Known-Issues-for-Box-Drive

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Upgrade Best Practices

**Check compatibility**

Check that your current software and hardware meet the requirements based on the above tables before upgrading.

**Confirm or make a backup of the current system before upgrading**

- Instructions for confirming or creating a backup through Code42 (the University's backup system) can be found here: Code42 CrashPlan UT Backup
- Information on UTBox and using this service to store or keep a copy of your files can be found here: UTBox Wiki Pages

**Get connected**

It takes time to download and install macOS, so make sure that you have a reliable Internet connection. If upgrading a Mac notebook computer, plug it into AC power.
## How To Update and Upgrade

To get the latest features and maintain the security, stability, compatibility, and performance of your Mac, it's important to keep your software up to date. Apple recommends that you always use the latest macOS that is compatible with your Mac.

### How to update the software on your Mac

Use Software Update to find and install updates for macOS, built-in apps like Safari, and apps downloaded from the App Store.

### How to upgrade to macOS Big Sur

Learn how to download and install macOS Big Sur, the latest version of the Mac operating system.

### How to get old versions of macOS

If your Mac isn't compatible with the latest macOS, you might still be able to upgrade to an earlier macOS, such as macOS Catalina or Mojave.