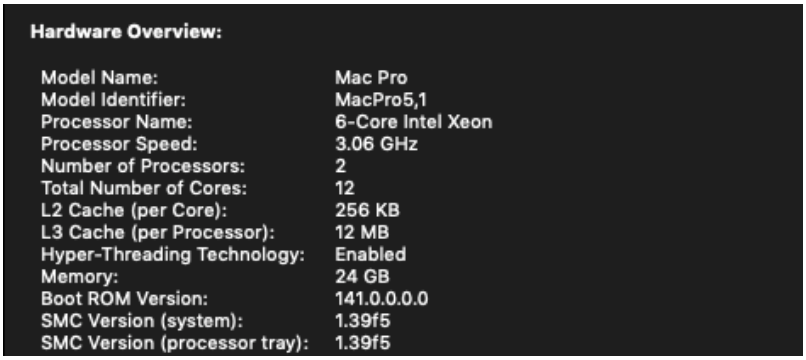
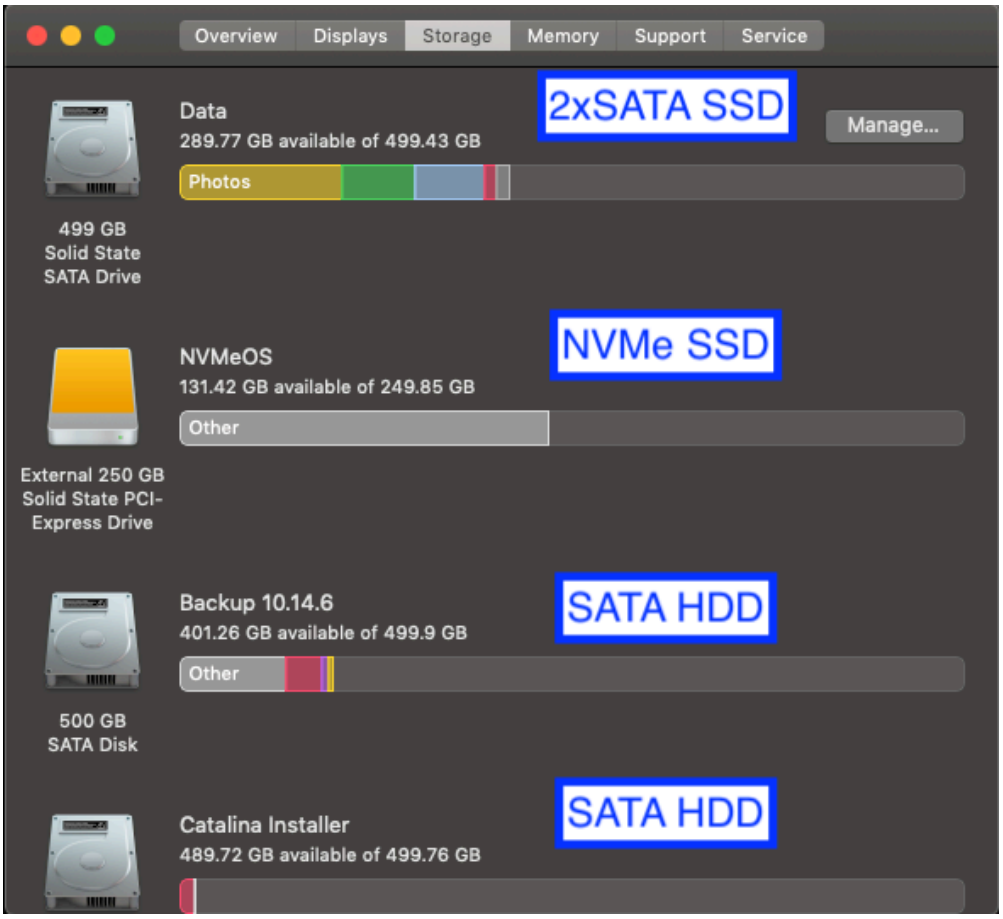
Upgrade to Catalina

My configuration:



All except Catalina Installer(HFS+) are APFS.



Note: I am at Boot ROM version 141.0.0.0.0. I am any a loss for how to get this upgraded to 144.0.0.0.0 as I am confused by the instructions given here on how to upgrade. https://forums.macrumors.com/threads/mp5-1-what-you-have-to-do-to-upgrade-to-mojave-bootrom-upgrade-instructions-thread.2142418/

SIP is enabled when running Mojave.
SIP is disabled when checking after booting using install booter.

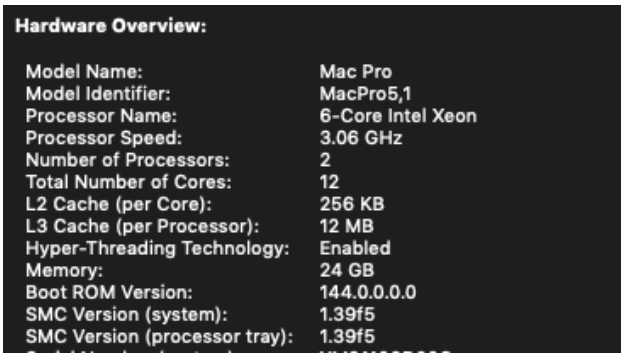
Attempts:
(I used both patcher 1.1.6 and 1.1.7 with same results)
(I successfully upgraded my MBP5,5 to Catalina using 1.1.6 with the ext USB method, no problems)
Create external USB installer then boot to it. Result, same as talkenrain, "This copy of ..."
Tried several times, from fresh download as well as previously downloaded Catalina Installer

Create internal (SATA HDD) installer and boot from it. Same result, had to shutdown the computer and remove the SATA HDD so I could boot back to original Mojave system.

I have a backup SATA HDD (different from the above. Boot from there and try to install in place.
Converted backup to APFS by erasing and recreating.
Backed up NVMeOS (10.14.6) to Backup
Rebooted to Backup
Catalina Installer to this Mac
Tells me SIP is enabled. STOP!

Next:
Boot to Catalina (internal) installer
Same error. (Catalina is corrupt)
Startup security says firmware not supported.

Retrograde to High Sierra
Then ran full Mohave installer, able to upgrade the Boot ROM to 144.0.0.0.0
Back to 10.14.6.



Tried to install in-place, but SIPis enabled, could not install

Next try by creating USB boot installer
Catalina Patcher did not see my USB drive!!!
Used an internal drive instead as my installer
Same “damaged” error