

Add a Mac Computer to Apple Business Manager or Apple School Manager Without Erasing it First



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Preface

Traditionally, to manually add a Mac to Apple Business Manager or Apple School Manager, you would need to erase all content and settings on the Mac to re-run Setup Assistant and utilize Apple Configurator for iPhone. This guide will break down the process to add the Mac to Apple Business Manager or Apple School Manager without the need to erase the Mac.

This guide used the following:

- Mac running macOS Sonoma (various versions) with at least 50 GBs of available storage
- Apple Configurator for iPhone
- Apple Business Manager Account with minimal role of Device Enrollment



Section 1: Create a Temporary Partition on your Mac.

- 1. Open your Applications folder.
- 2. Open your Utilities folder.
- 3. Launch Disk Utility.



- 4. Select Macintosh HD-Data.
- 5. Click Partition. ... 🗆 🎽 Disk Utility (j) Info + | -80 3 ✓ See Macintosh HD volume Macintosh HD - Data 245.11 GB FS Data Volume cOS 14.1 (23B74) Macintosh HD a 4 Used 2.94 GB Other Volumes Free 225.63 GB Mount Point: /System/Volumes/Data Type: APFS Data Volume Capacity: 245.11 GB Owners Enabled 225.76 GB (129.7 MB purgeable) Connection Apple Fabric Available: Used: 2.94 GB Device: disk3s5

5



6. Click Add (+).

	Partition device "APPLE SSD AP0512M Media"? Click add (+) to increase the number of partitions on the device. Click on each partition to change the name and format. Drag he resize control or enter the size of each partition and click Apply.		
		Device Information Device: APPLE SSD AP0512M Media Scheme: GUID Partition Map Size: 500.28 GB	
		Name: Macintosh HD	
	Macintosh HD 500 GB	Format: APFS C Size: 500 GB C This container has 21.72 GB used space.	
	+-		
? Reve	rt	Cancel Apply	

7. Click Add Partition.

	Partition device "APPLE : Click add (+) to increase the n the resize control or enter the	SSD AP0512M Media"? umber of partitions on the device. Click	< on each partiti	on to change the name and format. Drag
		Do you want to add a volum the APFS container or do y want to divide the containe storage into separate partiti	e to rou APC er's ion N	3512M Media Map
		When an Apple File System conta has multiple volumes, its free spa shared and can be allocated to ar the individual volumes as neede	niner ceis nyof ad. n	
		Add Partition Add Volu	ime HD	
	Macintosh HD 500 GB	Size: 5	00 GE	3 🗘
	+	Th	is container has	s 21.72 GB used space.
? Revert				Cancel Apply



- 8. Follow these steps:A. Enter a name (i.e. macOS Reinstall).B. Enter 50 for space allocation.C. Click Apply.

	Partition device "APPLE SSD AP0512M Media"? Click add (+) to increase the number of partitions on the device. Click the resize control or enter the size of each partition and click Apply.	k on each partition to change the name and format. Drag
	Macintosh HD 450 GB	rmation PPLE SSD AP0512M Media UID Partition Map 50.28 GB formation macOS Reinstall APFS G G G G G B G B G B B B
? Rever	t.	Cancel Apply C

9. Click Partition.

Partition device "APPLE" Click add (+) to increase the r the resize control or enter the		partition to change the name and format. Drag
macO.etinitall 50 GB Macintoen HD	Partition device "APPLE SSD APOTENA Media"? Partitioning this device will change some of the partition. No partitions will be erased. This partition will be added: "macOS Reinstall" This partition will be resized: "Macintosh HD" Cancel Partition	AP0512M Media ion Map install GB ©
+ ? Revert		.h will be created.



10. Click Continue.

	Partition device "APPLE SS Click add (+) to increase the nun he resize control or enter the size	SD AP0512M Med nber of partitions on ze of each partition a	ia"? the device. Click on eac nd click Apply.	ch partition to change the	name and format. Drag
×	macOeinstall 50 GB	Resizing the st cause this co resp Do not power off resizing is occurr several minutes or you can use Partiti	artup volume will mputer to stop onding. this computer while ng: this may last for hours. To avoid this, on while in Recovery.) AP0512M Media ion Map n	
		Cancel	Continue	install	•
	Macintosh HD 450 GB		Size: 50 This parti	GB 🗢	
	+				

11. Wait for partition process to complete.

000	Disk Utility					
Internal → Macintosh HD volumes → Macintosh HD Macintosh HD - Data	Macintosh HD - Data APFS Data Volume - APFS mac0S 14.2.1 (23C71)				499.96 G	
	Applying changes to "APPLE SDD APO5 Do not power off this computer while resizing is computer will stop responding while resizing the majust for several minutes or house. Running operation 1 of 1: Add "macOS Reinsta container disk! "Macintosh HD"	12M Media" occurring. This startup volume; this all" by shrinking	Free 478.1	7 GB	APFS Data Vol	ume
	Checking the snapshot metadata.	Done			Ena	oled
	Ava				PCI-Exp	ress
	Used: 3.14 G	B Device:			dis	k1s1



12.Click Done.



13. Click the Apple Logo (Upper Left Corner) and select Shut Down.



14.Click Shut Down.

Are you sure you want to shut down your computer now?
If you do nothing, the computer will shut down automatically in 58 seconds.
Reopen windows when logging back in
Cancel Shut Down



Section 2: Reinstall macOS on the Temporary Partition

1. Start the Mac in recovery mode.

NOTE: For Apple Silicon, Press and hold the power button until 'loading options' appears and select 'Options' from the menu.

https://support.apple.com/guide/mac-help/mchl82829c17/



- 2. In the Recovery assistant, you may be asked to sign in to an admin account.
- 3. Select the admin user.
- 4. Click Next.



- 5. Enter the password for the admin user.
- 6. Click Continue.





- 7. Once in the Recovery app, select Reinstall macOS Sonoma.
- 8. Click Continue.



9. Follow the prompts to continue with the installation.

To continue installing the soft terms of the software license agreement.	
ENGLISH Disarroa	
APPLEINC. SOFTWARE LICENSE	
For use on Apple-branded Systems	
PLEASE READ THIS SOFTWARE LICENSE AGREEMENT ("LICENSE") CAREFULLY BEFORE USING THE APPLE SOFTWARE. BY USING THE APPLE SOFTWARE,	
A copy of the License will be saved on your system and can be found through About This Mac after installation. It is also posted at https://www.apple.com/lega/sla	
Disagree Agree	



- 10. Select your temporary partition when prompted (i.e. macOS Reinstall)
- 11.Click Continue.



12. Wait for macOS to complete the installation.



NOTE: The computer should automatically reboot into the new partition. If for some reason it doesn't you can do so manually. For Apple Silicon - Press and hold until 'loading options' and select your new partition.

https://support.apple.com/guide/mac-help/mchl82829c17/



Section 3: Add Mac Computer to Apple Business Manager

- 1. On an iOS device, open Apple Configurator for iPhone. https://apps.apple.com/us/app/apple-configurator/id1588794674
- 2. Tap Continue.



3. Sign in with a Managed Apple ID with a minimal role of Device Enrollment.

3:38 🕈	.ı∥ ≎ ໜ
Back	
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Sign	In
Sign in with a Mana from Apple Scho Apple Business Mar Business Ess	aged Apple ID ol Manager, nager or Apple sentials.
Email address	
Continu	ue
Sign in with a Managed Device Enrollment Man devices to your or	Apple ID with the ager role to add ganization.



4. Confirm Apple Configurator for iPhone wants to access the camera on the device. Tap OK.



5. Use Apple Configurator for iPhone to add the Mac to your Apple Business Manager or Apple School Manager account.







6. Adding the Mac to Apple Business Manager or Apple School Manager may take a few minutes.

- 7. Confirm the Mac has been added successfully.
- 8. Click Shutdown.





9. Login to Apple Business Manager or Apple School Manager and go to devices. Confirm that your Mac has been added.

IMPORTANT: If you didn't choose to automatically assign newly-added devices to a MDM server when you added the Mac, the device will need to be manually assigned to the MDM in order to be connected with Automated Device Enrollment.

€ Business	Q c02x86 🛞	Edit MDM Server Lock Device Release from Erase Organization	
 Subscription Activity Locations 	Your Devices	MacBook Pro 15"	
 Users User Groups Access Management 		Overview Details Apps Settings Details Ban Serial Number C Unknown C C C	
Devices E Assignment History		Status Last Seen September 30, 2023 at 6:59 PM OS macOS 14.0	FileVault O Off



Section 4: Delete the Temporary Partition you Created

1. Start the Mac from the original partition. Refer to Section 2 if you're unsure how to select the correct partition.



- 2. Open your Applications folder.
- 3. Open the Utilities folder.
- 4. Open Disk Utility.

•••	< > Utilities		
Favorites AirDrop Recents Applications Desktop 	 Photos Podcasts Preview QuickTime Player Reminders Safari 	Activity Monitor AirPort Utility Audio MIDI Setup Bluetooth File Exchange ColorSync Utility ColorSync Utility Console	
 Documents Downloads 	 Shortcuts Siri Stickies Stacka 	Ø Digital Color Meter Disk Utility Grapher	
Coations	 Stocks System Settings TextEdit Time Machine 	 Keychain Access Migration Assistant Print Center Screen Sharing 	Disk Utility Application - 7.9 MB
Tags Red Orange Yellow	 TV Utilities > Voice Memos Weather 	 Screenshot Script Editor System Information Terminal 	Information Created Eriday October 20, 2022, 2:35 AM © More



5. Follow these steps:

- A. Select your temporary partition.B. Click Partition.

Internal Macintosh HD volumes Macintosh HD anapshot Macintosh HD - Data Source S Reinstall ImacOS Reinstall ImacOS Reinstall ImacOS Reinstall 50 GB one volume Macintosh HD - Data ImacOS Reinstall ImacOS Reinstall 50 GB One volume Mount Point: Volumes/macOS Reinstall Type: APFS Volume Oners: Enabled Connection: Apple Fabric Device: disk3s1 	•••	Disk Utility		+ I — 😪 Volume First Aid Par	ଓ ₀⊖ tition Erase	S ⊜ Restore Unmount
 Macintosh HD - Data Used Used Other Volumes Free 766 KB 112.8 MB 49.89 GB Mount Point: (Volumes/macOS Reinstall Capacity: S0 GB Available: Used: 766 KB Connection: Apple Fabric Device: disk3st 	Internal V Se Macintosh HD volumes V Macintosh HD Macintosh HD snapshot	MacOS APFS Volume	Reinstall			50 GB
Les macOS Reinstall Used Other Volumes Free 766 KB 112.8 MB 49.89 GB Mount Point: // Volumes/macOS Reinstall Type: APFS Volume Capacity: 50 GB Owners: Enabled Available: 49.89 GB Owners: Enabled Used: 76 KB Device: disk3s1	🖨 Macintosh HD - Data					
Used Other Volumes Free 766 KB 112.8 MB 49.89 GB Mount Point: /Volumes/macOS Reinstail Type: APFS Volume Capacity: 50 GB Owners: Enabled Available: 49.89 GB Owners: Enabled Used: 766 KB Device: disk3s1	acos Reinstall					
Mount Point: /Volumes/macOS Reinstall Type: APFS Volume Capacity: 50 GB Owners: Enabled Available: 49.89 GB Connection: Apple Fabric Used: 766 KB Device: disk3st		Used 766 KB	Other Volumes 112.8 MB		49.89 GB	
Capacity: 50 GB owners: Enabled Available: 49.89 GB Connection: Apple Fabric Used: 766 KB Device: disk31		Mount Point:	/Volumes/macOS Reinstall	Type:		APFS Volume
Available: 49.89 G Connection: Apple Fabric Used: 766 KB Device: disk3		Capacity:	50 GB	Owners:		Enabled
Used: 766 KB Device: disk3s1		Available:	49.89 GB	Connection:		Apple Fabric
		Used:	766 KB	Device:		disk3s1

- 6. Select your temporary partition within the pie chart.
- 7. Click Remove (-).





- 8. The partition will be removed from the pie chart.
- 9. Click Apply.

	Partition device "APPLE SSD AP Click add (+) to increase the number of the resize control or enter the size of e	0512M Media"? partitions on the device. Click on each partition to change the name and format. Drag ach partition and click Apply.
		Device Information Device: APPLE SSD AP0512M Media Scheme: GUID Partition Map Size: 500.28 GB
		Name: Macintosh HD
	Macintosh HD 500 GB	Format: APFS O Size: 500 GB C This container has 21.81 GB used space. It will be resized.
	+ -	
? Revert		Cancel Apply

10.Click Partition.

Partition device "APPLE SSD A" Click add (+) to increase the number control or enter the size of each part	G		to change the nam	e and format. Drag the resize
·	Partition device AP0256Q	# "APPLE SSD Media"?		
	Partitioning this device erase the data store	e will permanent d on some of the undo this action	tly e	
	This partition wi	be removed:	ation	Madia
	"Containe	diek3"	Partition Man	Media
	oontaine	alono	B	
	Cancel	Partition	mation	
		Name:	Macintosh HD	
		Format:		
		Size:	245 GB \$	
MacIntosh HD 245 GB			This container has 20.89 You can't remove this vol volume cannot be resized	GB used space. It will be resized. ume, because the preceding l.
(++-)			* Small partition shown la	irger than actual size.
? Revert				Cancel Apply



11.Click Done once the new partition scheme has processed.

•	Disk Utility		+ - Volume	୍ଦ୍ର First Aid	() Partition	e Erase	5 Restore) Unmount	(j) Info
Internal Macintosh HD volumes Macintosh HD Macintosh HD snapshot Macintosh HD - Data	Macint APFS Startu macOS 14.2.1	osh HD p Snapshot - APFS (23C71)						499.96 G Shared by 5 Volu	
	Applying changes to "APPLE SSD AP0512N Operation successful.			M Media" Free 478.15 GB					hot
	Capacity:	499.90 GB	Owners:					Disab	led
	Available: 478.27 GB (125.9 MB purgeable) Connection:				PCI-Express				
	Used:	10.12 GB	0.12 GB Device:			disk1s	ls1		
	Snapshot Name: com.apple.os.update-0F23B273DE60A40F73D7EE5			Snapshot UUID: A484DA12-A2D6-4B7D-A9E8-6A313820					



Section 5: Enroll the Mac Computer into your MDM

1. Open the Terminal app.



2. Run the following command:



3. Type in your Admin password when prompted.



- 4. A notification will then appear in the upper-right corner prompting to enroll into your MDM.
- 5. Click on the notification to bring up the System Settings window.





- 6. System Settings will open.
- 7. Confirm a Message appears to Allow Device Enrollment.
- 8. Click Allow.



- 9. Enter your admin credentials.
- 10. Click Enroll.



11. The MDM Profile will install, along with any other configuration profiles.