Set Up Xcode



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# Set Up Xcode

# Overview

#### Time Estimate

It will take 45 minutes to 2 hours, depending on your internet connection, but you don't need to babysit the download.

#### 🗧 Summary

- Check the phone's iOS version
  - The iOS version determines the minimum Xcode version.
  - The minimum Xcode version determines the minimum macOS version.
  - If necessary, update your MacOS first and then return to this step.
- Download (or update) Xcode from your computer's 'App Store' application.

#### **FAQs**

#### • Why isn't my Xcode installing?

The two most common reasons are:

- a. Lack of internet connection, or;
- b. Not enough space on your hard drive. Xcode is a large download that requires at least 50GB of space to unpack and install properly.
  - You will have installation failures if you do not have enough space on your hard drive. Although the download takes a long time, the good news is that you can walk away once it starts. If your laptop goes to sleep when you close the lid or when the screen saver starts, disable the screen saver and leave the computer open.
  - After Xcode has finished downloading (it looks like the progress bar is almost completed), it takes a long time to unpack and install; be patient.
- Can I install Xcode on an external drive? Unfortunately, no. Xcode needs to be on the Mac hard drive.

# Download and Configure Xcode

## What is Xcode?

Xcode is a free application for Apple computers. You will use Xcode to turn the "raw" Trio source code into an iOS application and install it onto your iPhone. Which version of Xcode you install on your computer depends on the iOS version you have on the iPhone you will be installing Trio on and the macOS version you have on your computer.

What version of Xcode will I need?

First, choose an appropriate Xcode version for your iOS device. Then, determine the minimum macOS version required for that Xcode version. Update to at least that minimum macOS version.

#### How do all the minimum versions relate to each other?

The current release of Trio requires iOS 16.3 or higher, Xcode version 15 or higher, and macOS 13.5 or higher.

The table below lists the **minimum** requirements to build the current release of Trio. If your <u>macOS</u> or <u>Xcode</u> version is higher, you can build with a Mac.

#### iOS Version

If your iOS is not listed, e.g., 17.6.1, choose the first row that is less than your iOS.

iOS Version	minimum Xcode	minimum macOS
18.1	16.1	14.5
18.0	15.4	14.5
17.5	15.4	14.0
17.4	15.3	14.0
16.3 to 17.0	15.0	13.5

## Download Xcode

- 1. On your Mac computer, open the app store.
- 2. Next, in the top left corner of the App Store, there is a search engine. Search for Xcode.
- 3. Select the Xcode application from the search results.
- 4. Review the available Xcode version.
- 5. If the Xcode version you require is higher than the Xcode version available in the App Store, you need to update your computer.
- 6. Select download. Be patient; depending on your download speeds, this could take a couple of hours.



7. the Xcode application will be available from your Launchpad or Applications file once the download is complete.

# Configure Xcode

# i Time Estimate Installing the Command Line Tools takes about 10-15 minutes. 5 minutes to add your Apple ID, assuming you remember your password.

#### 📋 Summary

- Verify that Command Line Tools are installed.
- Add your Apple Developer account to Xcode.

#### **FAQs**

• I still only see an account with (personal team) beside it even though I enrolled in the paid Developer Account program...what should I do? You should check your spam email box in case Apple sent you an email there. Ensure you've waited the 48 hours Apple says it may take to get your account approved. If it's been 48 hours and you still don't see anything in your email, contact Apple support and ask them about your enrollment status. It may be held up by something on their end.

Now that you have downloaded Xcode, you must configure some settings to streamline Trio's build process. Let's get started.

# **Check Xcode Version**

Let's check if the correct version of Xcode was installed.

- 1. Open Xcode from either Launchpad or Applications folder.
- 2. In the top left-hand corner of the window, select 'Xcode'
- 3. Next, select 'About Xcode' from the menu.
- 4. A window will open, and you can review the Xcode version installed on the computer.



## **Privacy Settings**

Sometimes, people have their macOS privacy settings configured so that Xcode does not have permission to access their computer's 'Downloads' folder. This can become problematic when using the build script to build an app with Xcode. To ensure access is allowed, follow the following instructions:

- 1. Select the 'Apple symbol' in the top left-hand corner of the screen.
- 2. Next, select 'System Settings'.

Q Search		
David Natoli Apple Account		
Software Update Available	General	
ᅙ Wi-Fi	Manage your overall set-up and preferences for Mac, s updates, device language, AirDrop and m	such as software ore.
Bluetooth		
🛞 Network	About	>
😑 Battery		
😥 General	Software Update	>
Accessibility	Storage	>
Appearance		
Control Centre	Second Se	>
🗖 Desktop & Dock		
🔅 Displays	AirDrop & Handoff	>
Screen Saver	AutoFill & Passwords	>
💽 Siri		
🛞 Wallpaper	Date & Time	>
Notifications	Language & Region	>
🐠 Sound		
C Focus	Login Items & Extensions	>
Screen Time	Sharing	>
Lock Screen	Startup Disk	>
🖖 Privacy & Security		
Touch ID & Password	Time Machine	>
😕 Users & Groups	0	

- 3. Next, we are going to select 'Privacy & Security".
- 4. Then, we are going to select the 'Files & Folders' option.

O Search	Drivenu	
David Natoli	Control which apps can access your data, location, of and manage safety protections. Learn more	camera and microphone,
Software Update Available	Location Services	Off >
ᅙ Wi-Fi	Calendars 17 2 add only	>
Bluetooth	Contacts	
Battery	3 full access	
© General	Files & Folders 8 apps	>
Accessibility	B Full Disk Access	>
<ul> <li>Appearance</li> <li>Control Centre</li> </ul>	HomeKit	>
Desktop & Dock	None	
🔅 Displays	Media & Apple Music	>
Screen Saver	Basekava Access for Web Browsors	
Siri Siri	1 full access	>
🛞 Wallpaper	Photos 1 full access	>
Sound	Reminders 2 full access	>
Screen Time	Accessibility	0
Lock Screen	Accessionity	0 >
🔮 Privacy & Security		0 >
Touch ID & Password	So Automation	7 >
😕 Users & Groups	8 Bluetooth	1 >
Internet Accounts		

- 5. We can then select the Xcode application.
- 6. Once you select the Xcode application, ensure access to the downloads folder is toggled on.

Q Search	Allow the applications below to access files and folders.
David Natoli Apple Account	> Adobe Acrobat
Software Update Available	> Adobe Acrobat Reader
ᅙ Wi-Fi	> EN EndNote X9
🖇 Bluetooth	> X Microsoft Excel
🛞 Network	> 🚾 Microsoft Word
Battery	
🕑 General	> 🕜 Notability
Accessibility	> 🥃 Spotify
Appearance	> Terminal
Control Centre	2 🕅 Voode
🗖 Desktop & Dock	Acode
🔅 Displays	Desktop Folder
Screen Saver	Documents Folder
Siri	Downloads Folder
399 Wallpaper	iCloud Drive
Notifications	_
Sound	
G Focus	
Screen Time	
Lock Screen	
Privacy & Security	
Touch ID & Password	
2 Users & Groups	
O Internet Accounts	

## **Command Line Tools**

The first time you open Xcode, it will want to install a package of command-line tools. Please wait patiently for this to be completed. In some instances, the command-line tools may have been installed without asking. Before proceeding, please confirm that the tools have been installed correctly.

- 1. Open Xcode.
- 2. In the top left-hand corner of the screen, select 'Xcode'.

- 3. Next, select 'Settings'. This will open the Xcode' Settings' window.
- 4. In the Xcode' Settings' window, select 'Locations'
- 5. In the 'Locations' tab, you will observe a drop-down menu for 'Command Line Tools'. Ensure the Xcode version listed matches the version you just downloaded and installed.

Default 📀	
/Users/davidnatoli/Library/Developer/Xcode/DerivedData	
Default 📀	
/Users/davidnatoli/Library/Developer/Xcode/Archives 👁	
Xcode 16.1 (16B40)	
/Applications/Xcode.app	
	/Users/davidnatoli/Library/Developer/Xcode/DerivedData Advanced Default C /Users/davidnatoli/Library/Developer/Xcode/Archives A Xcode 16.1 (16B40) (Applications/Xcode.app A

# Add Apple ID to Xcode

When you first use Xcode, you will need to add your Apple ID to the accounts within Xcode.

- 1. Open Xcode.
- 2. In the top left-hand corner of the screen, select 'Xcode'.
- 3. Next, select 'Settings'. This will open the Xcode' Settings' window.
- 4. Next, ensure you are in the 'Accounts' tab.
- 5. Press the plus symbol in the bottom left-hand corner of the screen. Follow the prompts to add your Apple ID.

	( ) Apple ID	
david-natoli@live.com david-natoli@live.com.at	Select the type of account you would like to add:	
Source Control Accounts           GitHub         3           https://github.com	Apple ID	
	Bitbucket Cloud	
	Bitbucket Server	
	GitHub	Role
	Car 4 Continue	
		91
	Download Manual Profi	es Manage Certificates