© Developer Account Q Search by keywords or tags **Developer Forums** System API for generating ZIP-compatible archive? The Archive Framework implements compression algorithms and supports for example the LZMA compression format. Unfortunately I was not able to find a way to generate a ZIP-kompatible archive using the Archive Framework though iOS / iPadOS seems to be able to do that, because the Files app and the Shortcuts app support this kind of compression. Is there a way on iOS/iPadOS to generate an LZMA compressed archive with ZIP container using only apple provided APIs or other system services? PS: I don't need full support for all possible ZIP features. I only need to create a simple archive containing some files which can be opened using any zip decompression program. https://developer.apple.com/documentation/accelerate/compressing_file_system_directories Files and Storage Apple Archive Compression Posted 1 year ago by Dirk-FU Add a Comment **Accepted Reply** I only need to create a simple archive containing some files which can be opened using any zip decompression program. While ebainville is correct that you can't create zip archives using Apple Archive, it is possible to create a basic one using NSFileCoordinator. Here's a quick example: let originalURL: URL = ... your input directory ... let coordinator = NSFileCoordinator() let zipIntent = NSFileAccessIntent.readingIntent(with: originalURL, options: [.forUploading]) coordinator.coordinate(with: [zipIntent], queue: .main) { errorQ in if let error = errorQ { ... handle the error ... return let zipURL = zipIntent.url ... work with the URL before returning if necessary, copying it elsewhere ... Share and Enjoy Quinn "The Eskimo!" @ Developer Technical Support @ Apple let myEmail = "eskimo" + "1" + "@" + "apple.com" Posted 1 year ago by 🐧 👤 eskimo 📋 Thank you very much. That was exactly the solution I was looking for! — 🙎 Dirk-FU 1 year ago **▲** 0 Add a Comment Replies The AppleArchive library produces archives in the AppleArchive format, optionally compressed (with LZMA, LZFSE, LZ4 depending on your needs for speed/compression ratio) or encrypted using our new AppleEncryptedArchive format. To generate ZIP archives, use third party libraries like libarchive. Posted 1 year ago by Trameworks Engineer Add a Comment I only need to create a simple archive containing some files which can be opened using any zip decompression program. While ebainville is correct that you can't create zip archives using Apple Archive, it is possible to create a basic one using NSFileCoordinator. Here's a quick example: let originalURL: URL = ... your input directory ... let coordinator = NSFileCoordinator() let zipIntent = NSFileAccessIntent.readingIntent(with: originalURL, options: [.forUploading]) coordinator.coordinate(with: [zipIntent], queue: .main) { errorQ in if let error = errorQ { ... handle the error ... let zipURL = zipIntent.url ... work with the URL before returning if necessary, copying it elsewhere ... Share and Enjoy Quinn "The Eskimo!" @ Developer Technical Support @ Apple let myEmail = "eskimo" + "1" + "@" + "apple.com" Posted 1 year ago by 🐧 👤 eskimo 📫 Thank you very much. That was exactly the solution I was looking for! — 👤 Dirk-FU 1 year ago **▲** 0 Add a Comment @eskimo: Your solution would be enough for me, if the parent directory would not be stored in the zip file. If the URL is .documentDirectory then the extracted zip includes a "Documents" folder. After some time of researching, I don't think, there is a solution for my problem. I don't want to use a big third party library, only to remove the "Documents" folder. Posted 1 year ago by 🔔 Thekakami ტ Add a Comment After some time of researching, I don't think, there is a solution for my problem. I presume you're working on iOS here. If so, the for Uploading technique is the only platform API available to you. It has no mechanism to remove that top-level path entry. If you need to do that, the only alternative is to use a third-party zip library (or write such a library yourself, which is not super hard). Also, I'd appreciate you filing an enhancement request for a full-feature zip archive API. While we have seen similar requests many times before, a fresh bug report will allow you to express your needs in your own terms, and allow iOS engineering to gauge the level of demand. Please post your bug number, just for the record Share and Enjoy Quinn "The Eskimo!" @ Developer Technical Support @ Apple let myEmail = "eskimo" + "1" + "@" + "apple.com" Posted 1 year ago by 🐧 👤 eskimo 📫 Add a Comment Thanks for you comment. I talked to the backend guys and they will accept nested files in a ZIP, so we don't need third party libraries. Posted 1 year ago by 🔔 Thekakami 📫 Yay! — C eskimo 1 year ago Add a Comment This site contains user submitted content, comments and opinions and is for informational purposes only. Apple disclaims any and all liability for the acts, omissions and conduct of any third parties in connection with or related to your use of the site. All postings and use of the content on this site are subject to the Apple Developer Forums Participation Agreement. Forums Developer **Platforms Topics & Technologies Programs** Resources iOS Accessibility Documentation Apple Developer Program iPadOS Apple Developer Enterprise Program Accessories Curriculum App Store Small Business Program macOS App Extensions Downloads tvOS MFi Program App Store Forums watchOS Audio & Video News Partner Program Videos

Machine Learning
Security
Safari & Web

To view the latest developer news, visit

News and Updates
.

Copyright © 2022 Apple Inc. All rights reserved.

Terms of Use | Privacy Policy | License Agreements

Support

Support Articles

Contact Us

Bug Reporting

System Status

Apple Developer

App Store Connect

Feedback Assistant

Certificates, IDs, & Profiles

Account

Video Partner Program

Events

App Accelerators

App Store Awards

Apple Design Awards

Entrepreneur Camp

Tech Talks

Apple Developer Academies

Security Bounty Program

Security Research Device Program

Augmented Reality

Business

Design

Distribution

Education

Fonts

Games

Health & Fitness

In-App Purchase

Maps & Location

Localization

Tools

Swift

SF Symbols

TestFlight

Xcode Cloud

Xcode

Swift Playgrounds