

[Apple Archive](#) / Encrypting and Decrypting Directories

Sample Code

# Encrypting and Decrypting Directories

Compress and encrypt the contents of an entire directory or decompress and decrypt an archived directory using Apple Encrypted Archive.

[Download](#)

macOS 12.0+ | Xcode 13.0+



## Overview

### Note

This sample code project is associated with WWDC21 session [10233: Bring Encrypted Archives and Performance Improvements to Your App with Accelerate](#).

## See Also

### Apple Encrypted Archive essentials

#### { } Encrypting and Decrypting a String

Encrypt the contents of a string and save the result to the file system, then decrypt and recreate the string from the archive file using Apple Encrypted Archive.

#### { } Encrypting and Decrypting a Single File

Encrypt a single file and save the result to the file system, then decrypt and recreate the original file from the archive file using Apple Encrypted Archive.

```
class ArchiveEncryptionContext
```

An object that encapsulates all parameters, keys, and data necessary to open an encrypted archive for both encryption and decryption streams.