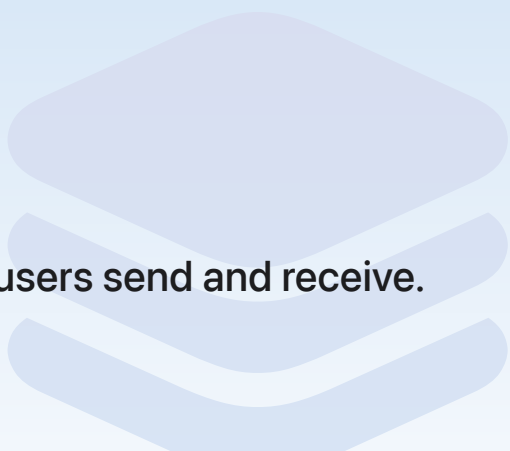


Framework

# MailKit

Secure, customize, and act on email messages that users send and receive.

macOS 12.0+



## Overview

MailKit lets your app include an app extension that customizes several features of Mail. A Mail app extension provides one or more of the following enhancements:

- A *content blocker* defines rules to prevent loading content when users view messages.
- An *action handler* performs actions such as flagging, setting colors, or archiving when Mail downloads messages.
- A *compose session handler* validates recipient email addresses, displays a view controller on Mail's compose windows, confirms if messages are suitable for delivery, and adds custom headers.
- A *message security handler* secures messages using encryption and digital signatures.

The entry point for your extension is an object that conforms to [MEEExtension](#). When MailKit invokes your extension, this object determines the handlers that provide each capability in the list above.

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## Topics

### Essentials

`protocol MEEExtension`

A type that provides objects for manipulating email messages, such as performing actions on messages or blocking content when users view messages.

## **{}** Build Mail App Extensions

Create app extensions that block content, perform message and composing actions, and help message security.

## **Content Blockers**

`protocol MEContentBlocker`

An object that provides a set of rules to block content when displaying a message.

## **Message Actions**

`protocol MEMessageActionHandler`

An object that performs actions on messages as the system downloads them.

## **Compose Window Enhancements**

`protocol MComposeSessionHandler`

An object that participates in the composition of mail messages, and annotates recipient tokens.

## **Message Encryption, Decryption, and Digital Signatures**

`protocol MEMessageSecurityHandler`

An object that digitally signs or encrypts messages the user sends and receives.

## **Message Properties**

`class MMessage`

An object that contains information about a mail message, such as the subject, addressees, date sent, and the message contents.

`enum MMessageState`

The state of a message: sent, unsent, or received.

## **Custom View Controllers**

`class MExtensionViewController`

An object that manages a view for compose session and message security handlers.

# Structures

`struct` MErrorMessageSecurityError

# Classes


`class` MComposeContext

`class` MDecodedMessageBanner

`class` MEmailAddress

`class` MExtensionManager

# Reference

 MailKit Enumerations

 MailKit Constants