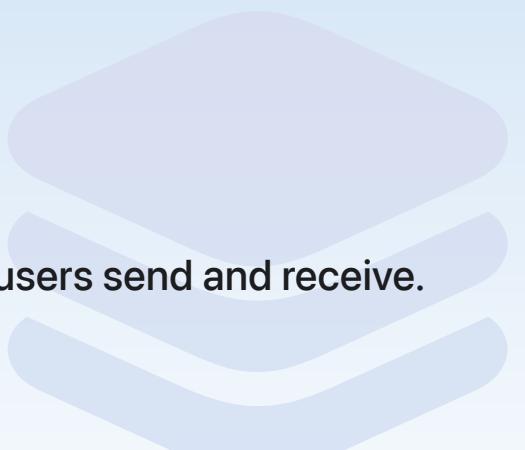


Framework

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 [MEExtension](#). When MailKit invokes your extension, this object determines the handlers that provide each capability in the list above.

Topics

Essentials

```
protocol MEExtension
```

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 MMessagingActionHandler`

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

Compose Window Enhancements

`protocol MEComposeSessionHandler`

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

Message Encryption, Decryption, and Digital Signatures

`protocol MMessagingSecurityHandler`

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

Message Properties

`class MMessaging`

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

`enum MMessagingState`

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

Custom View Controllers

`class MEEExtensionViewController`

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

Structures

```
struct MEMessageSecurityError
```

Classes

```
class MEComposeContext
```

```
class MEDecodedMessageBanner
```

```
class MEEEmailAddress
```

```
class MEEExtensionManager
```

Reference

≡ MailKit Enumerations

≡ MailKit Constants