

[MailKit](#) / [MEExtension](#)

Protocol

MEExtension

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

macOS 12.0+

```
@MainActor
protocol MEExtension : NSObjectProtocol
```

Overview

To implement an app extension, you provide an object that conforms to the [MEExtension](#) protocol. The [MEExtensionCapabilities](#) key of your extension's `Info.plist` defines the capabilities that you support, as follows:

```
<key>NSExtensionAttributes</key>
<dict>
    <key>MEExtensionCapabilities</key>
    <array>
        <string>MEContentBlocker</string>
        <string>MEMessageActionHandler</string>
        <string>MEComposeSessionHandler</string>
        <string>MEMessageSecurityHandler</string>
    </array>
</dict>
```

For each capability that your extension defines, you provide an object that implements the capability. MailKit uses the following methods to request the object for a given capability. The capability also specifies a protocol that the handler implements.

Capability Key	Method	Protocol
MEContentBlocker	<u>handler(for:)</u>	<u>MEContentBlocker</u>
MEMessageAction Handler	<u>handlerForMessage Actions()</u>	<u>MEMessageAction Handler</u>
MEComposeSession Handler	<u>handlerForContent Blocker()</u>	<u>MEComposeSession Handler</u>
MEMessageSecurity Handler	<u>handlerForMessage Security()</u>	<u>MEMessageSecurity Handler</u>

Topics

Blocking Content

`func handlerForContentBlocker() -> any MEContentBlocker`

Returns an object that provides rules that the message viewer uses to block content.

Performing Actions on Messages

`func handlerForMessageActions() -> any MEMessageActionHandler`

Returns an object that performs actions on mail messages as the system downloads them.

Enhancing the Compose Window

`func handler(for: MEComposeSession) -> any MEComposeSessionHandler`

Returns an object that participates in the composition of a mail message.

Encrypting and Signing Messages

`func handlerForMessageSecurity() -> any MEMessageSecurityHandler`

Returns an object that applies security measures such as encryption and digital signatures to messages.

Relationships

Inherits From

NSObjectProtocol

See Also

Essentials

{ } Build Mail App Extensions

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