

[MailKit](#) / `MComposeSessionHandler`

Protocol

MComposeSessionHandler

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

macOS 12.0+

```
@MainActor
protocol MComposeSessionHandler : NSObjectProtocol
```

Overview

When the user composes a message, MailKit requests a compose session handler object from your extension. MailKit uses this handler in the following ways:

- To inform it when the compose session begins and ends
- To add status annotations for email addresses that the user enters into the To, Cc, and Bcc fields
- To display a custom popover in the compose window
- To include custom headers in an outgoing message
- To confirm that an outgoing message is ready for delivery

Each of the items in the list above corresponds to methods that the handler implements.

To indicate that your extension contains a compose session handler, add `MComposeSessionHandler` to the `MEEExtensionCapabilities` array in the extension's `Info.plist` file:

```
<key>NSExtensionAttributes</key>
<dict>
    <key>MEEExtensionCapabilities</key>
```

```
<array>
  <string>MEComposeSessionHandler</string>
</array>
</dict>
```

Topics

Handling Compose Sessions

`class` `MEComposeSession`

An object that represents a single mail compose window.

`func` `mailComposeSessionDidBegin(MEComposeSession)`

Informs the handler when the user opens a compose window.

Required

`func` `mailComposeSessionDidEnd(MEComposeSession)`

Informs the handler when the user closes a compose window.

Required

`struct` `MEComposeSessionError`

An error that indicates the compose session is in an erroneous state.

Annotating Email Address Tokens

`func` `annotateAddressesForSession(MEComposeSession, completion: ([MEEmailAddress : MEAddressAnnotation]) -> Void)`

Indicates whether recipients in the compose window are valid or not.

`class` `MEAddressAnnotation`

An object that indicates the validity of an email address.

Extending the Compose Window Interface

`func` `viewController(for: MEComposeSession) -> MEExtensionViewController`

Provides a custom view controller to display as part of the compose window.

Required

Adding Custom Headers

```
func additionalHeaders(for: MComposeSession) -> [String : [String]]
```

Provides custom headers to include in the outgoing message.

Approving Message Delivery

```
func allowMessageSendForSession(MComposeSession, completion: ((any  
Error)?) -> Void)
```

Confirms that the message is ready for delivery.

Relationships

Inherits From

NSObjectProtocol