

[Shared with You / Collaboration views](#)

API Collection

## Collaboration views

Create and customize a collaboration view to manage the shared content actions.

### Topics

#### Collaboration views

```
class SWCollaborationView
    A view that contains the collaboration content and options.
```

#### Collaboration attributes

```
class SWCollaborationHighlight
    A highlight object that represents an active collaboration.
```

```
class SWCollaborationMetadata
    A model object for conveying data during a collaboration.
```

```
struct SWCollaborationIdentifier
    A unique identifier for a collaboration.
```

```
struct SWLocalCollaborationIdentifier
    A local identifier for a collaboration.
```

```
let SWCollaborationMetadataTypeIdentifier: String
    A string constant for the metadata type identifier.
```

#### Collaboration management

```
protocol SWCollaborationViewDelegate
    A delegate object that the system notifies about changes to the collaboration popover state.
```

```
class SWCollaborationCoordinator
    An object that contains the shared collaboration coordinator.
```

```
class SWCollaborationOption
    An object that determines how the system shares a document in a collaboration.
```

```
class SWCollaborationOptionsGroup
    An object that represents a group of collaboration options that the system displays together.
```

```
class SWCollaborationOptionsPickerGroup
    An object that represents a group of collaboration options that the system displays together with mutually exclusive options.
```

```
class SWCollaborationShareOptions
    An object that represents the state of the collaboration options for the document.
```

```
let UTCollaborationOptionsTypeIdentifier: String
    A string constant for the options type identifier.
```

#### Actions

```
class SWAction
    An object that represents a collaboration action.
```

```
class SWStartCollaborationAction
    An object that represents the first action sent to an app when the user shares a collaboration.
```

```
protocol SWCollaborationActionHandler
    A delegate to handle incoming collaboration actions from a collaboration coordinator.
```

```
class SWUpdateCollaborationParticipantsAction
    An action that contains the cryptographic identities the system uses to add to or remove from an existing collaboration.
```

### See Also

#### Collaboration

- [Adding shared content collaboration to your app](#)  
Manage shared content collaboration in your app using CloudKit and iCloud Drive.
- [Adding custom collaboration to your app](#)  
Integrate your custom collaboration app with Messages.

Platforms	Topics & Technologies	Resources	Programs
iOS	Accessibility	Documentation	Apple Developer Program
iPadOS	Accessories	Tutorials	Apple Developer Enterprise Program
macOS	App Extension	Downloads	App Store Small Business Program
tvOS	App Store	Forums	MFi Program
visionOS	Audio & Video	Videos	News Partner Program
watchOS	Augmented Reality	<b>Support</b>	Video Partner Program
Tools	Design	Support Articles	Security Bounty Program
Swift	Distribution	Contact Us	Security Research Device Program
SwiftUI	Education	Bug Reporting	Events
Swift Playground	Fonts	System Status	Meet with Apple
TestFlight	Games	<b>Account</b>	Apple Developer Centers
Xcode	Health & Fitness	Apple Developer	App Store Awards
Xcode Cloud	In-App Purchase	App Store Connect	Apple Design Awards
SF Symbols	Localization	Certificates, IDs, & Profiles	Apple Developer Academies
	Maps & Location	Feedback Assistant	WWDC
	Machine Learning & AI		
	Open Source		
	Security		
	Safari & Web		