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App Intents updates

Learn about important changes in App Intents.

Overview

Browse notable changes in [App Intents](#).

June 2025

- Create app intents that conform to [SnippetIntent](#) to display an interactive snippet.
- Make app entities available in Spotlight that conform to [IndexedEntity](#) and use the `@ComputedProperty(indexingKey:)` or `@Property(indexingKey:)` Swift macros for attributes you want to add to the Spotlight index.
- Integrate your app with visual intelligence by providing app entities to the system using an [IntentValueQuery](#).
- Create an [AppEntity](#) that conforms to the [Transferable](#) protocol and associate the app entity with a [NSUserActivity](#) using the activity's [appEntityIdentifier](#) property to make onscreen content available to Siri without adopting an assistant schema.

November 2024

Siri and Apple Intelligence

- Make onscreen content available to Siri and Apple Intelligence by describing it as an [AppEntity](#) and adopting an assistant schema. Additionally, adopt the [Transferable](#) protocol, and associate the app entity with a [NSUserActivity](#) using the activity's [appEntityIdentifier](#) property.

June 2024

System integration

- Integrate your app with Siri and Apple Intelligence using [App intent domains](#).
- Use [ControlConfigurationIntent](#) and [WidgetKit](#) to allow users to put controls on the Lock Screen or in Control Center.
- Create a locked camera capture extension for your app and implement a [CameraCaptureIntent](#) to allow people to capture photos and videos from controls or the Action button.
- Create app intents that capture audio by implementing [AudioRecordingIntent](#).
- Allow people to find app entities in Spotlight by adopting the [IndexedEntity](#) protocol.

Content sharing

- Make it possible to share and transfer data you describe as [App entities](#) by conforming to [Transferable](#).
- Receive content other apps make available with app intents by using [IntentFile](#) for your app intent parameters.
- Describe the file that stores your app intent data using [FileEntity](#).

General

- Provide additional information about errors with [AppIntentError.PermissionRequired](#), [AppIntentError.Unrecoverable](#), and [AppIntentError.UserActionRequired](#).
- Pass a condition to [requestConfirmation\(conditions:actionName:dialog:\)](#) to only require user confirmation if a person's context meets the provided condition.
- Use [URLRepresentableIntent](#), [URLRepresentableEntity](#), and [URLRepresentableEnum](#) to represent your app intents, app entities, and app enums as universal links that you use to provide deep links to your app's content.
- Define a set of types for an intent parameter using the [UnionValue\(\)](#) macro to create flexible app intents because a parameter can be of one of several pre-defined union types.
- Create entities that have just one singular instance with [UniqueAppEntity](#) and the corresponding [UniqueAppEntityQuery](#). For example, to provide an app intent for app settings that appear in your app or in System Settings, create a singleton entity that encapsulates all settings as properties. Use it in the app intent that offers actions to change your app's settings.

See Also

Technology updates

- [Accelerate updates](#)  
Learn about important changes to Accelerate.
- [Accessibility updates](#)  
Learn about important changes to Accessibility.
- [ActivityKit updates](#)  
Learn about important changes in ActivityKit.
- [AdAttributionKit Updates](#)  
Learn about important changes to AdAttributionKit.
- [App Clips updates](#)  
Learn about important changes in App Clips.
- [AppKit updates](#)  
Learn about important changes to AppKit.
- [Apple Intelligence updates](#)  
Learn about important changes to Apple Intelligence.
- [AppleMapsServerAPI Updates](#)  
Learn about important changes to AppleMapsServerAPI.
- [Apple Pencil updates](#)  
Learn about important changes to Apple Pencil.
- [ARKit updates](#)  
Learn about important changes to ARKit.
- [Audio Toolbox updates](#)  
Learn about important changes to Audio Toolbox.
- [AuthenticationServices updates](#)  
Learn about important changes to AuthenticationServices.
- [AVFAudio updates](#)  
Learn about important changes to AVFAudio.
- [AVFoundation updates](#)  
Learn about important changes to AVFoundation.
- [Background Tasks updates](#)  
Learn about important changes in Background Tasks.

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- Tools
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- Swift Playground
- TestFlight
- Xcode
- Xcode Cloud
- SF Symbols

Topics & Technologies

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- App Extension
- App Store
- Audio & Video
- Augmented Reality
- Design
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- Health & Fitness
- In-App Purchase
- Localization
- Maps & Location
- Machine Learning & AI
- Open Source
- Security
- Safari & Web

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- Support Articles
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- Apple Developer
- App Store Connect
- Certificates, IDs, & Profiles
- Feedback Assistant

Programs

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- Apple Developer Enterprise Program
- App Store Small Business Program
- MFi Program
- News Partner Program
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- Security Bounty Program
- Security Research Device Program
- Events
- Meet with Apple
- Apple Developer Centers
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- WWDC