

[Updates](#) / App Intents updates

Article

# 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 [App Entity](#) 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 [CameraCapture Intent](#) 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.