API Collection

Live Activities

Let people track updates from your app with Live Activities.

Overview

Live Activities display up-to-date content from your app, such as event and task information on the Lock Screen or in the Dynamic Island. Additionally, Live Activities appear in CarPlay and on a paired Apple Watch or Mac. To create Live Activities, you use WidgetKit together with ActivityKit.

Topics

Essentials

📄 Developing a WidgetKit strategy

Explore features, tasks, related frameworks, and constraints as you make a plan to implement widgets, controls, watch complications, and Live Activities.

📄 Creating a widget extension

Display your app's content in a convenient, informative widget on various devices.

Live Activity setup

📄 Displaying live data with Live Activities

Display up-to-date data and offer quick interactions in the Dynamic Island, on the Lock Screen, in CarPlay, and on a paired Mac or Apple Watch.

⬚ ActivityKit

Share live updates from your app as Live Activities on iPhone, iPad, Apple Watch, and the Mac.

📄 Creating a widget extension

Display your app's content in a convenient, informative widget on various devices.

{} Emoji Rangers: Supporting Live Activities, interactivity, and animations

Offer Live Activities, controls, animate data updates, and add interactivity to widgets.

struct `ActivityConfiguration`

An object that describes the content of a Live Activity.

struct `DynamicIsland`

The layout and configuration for a Live Activity that appears in the Dynamic Island.

let `NSUserActivityTypeLiveActivity:` String

A string that the system passes to the app on launch from a Live Activity that doesn't provide a URL.

enum `ActivityPreviewViewKind`

Values that represent Live Activity presentations for use in Xcode previews.

enum `ActivityFamily`

A family that defines the Live Activity's size.

See Also

System experiences

☰ Widgets and watch complications

Allow people to personalize their devices, view relevant information, and perform interactions with widgets and watch complications.

☰ Controls

Offer controls that people place in Control Center, on the Lock Screen, and on the Action button to quickly perform an action from your app.