Documentation   Language: Swift

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API Collection

Intent discovery

Donate your app's intents to the system to help it identify trends and predict future behaviors.

Overview

Make your intents more discoverable to people by donating them to the system. When someone performs an action in your app, donate an intent that corresponds to that action. The system uses the information you provide to predict actions someone might take in the future. For example, if someone requests the weather from your app each morning, the system might proactively offer the corresponding app intent at the same time each day.

Donate intents only when someone uses your app's interface directly. You don't need to donate intents associated with Siri or interactions with the Shortcuts app because the system donates them automatically. You can also delete donations when someone cancels or reverses a previously executed action, or when the action is no longer relevant.

Topics

Donation management

struct **IntentDonationManager**

A type you use to donate intents to the system, or delete intents when they become irrelevant.

struct **IntentDonationIdentifier**

An opaque type that identifies a specific donation to the system.

struct **IntentDonationMatchingPredicate**

The match conditions that identify a set of previously donated app intents.

Intent predictions

protocol **PredictableIntent**

An interface that allows the system to suggest the app intent to someone in the future using predictions you provide.

struct **IntentPrediction**

A prediction for a specific app intent that the system might display to someone when it's relevant.

Intent relevancy

struct **RelevantIntent**

A type that specifies an intent and its relevance to the user.

class **RelevantIntentManager**

A type that saves relevant intents.

struct **RelevantContext**

Contextual clues the system uses to show relevant widgets in the Smart Stack on watchOS.

See Also

Actions

☰ **App intents**

Define the custom actions your app exposes to the system, and incorporate support for existing SiriKit intents.

☰ **App Shortcuts**

Integrate your app's intents and entities with the Shortcuts app, Siri, Spotlight, and the Action button on supported iPhone and Apple Watch models.

Platforms
iOS
iPadOS
macOS
tvOS
visionOS
watchOS

Tools
Swift
SwiftUI
Swift Playground
TestFlight
Xcode
Xcode Cloud
SF Symbols

Topics & Technologies
Accessibility
Accessories
App Extension
App Store
Audio & Video
Augmented Reality
Design
Distribution
Education
Fonts
Games
Health & Fitness
In-App Purchase
Localization
Maps & Location
Machine Learning & AI
Open Source
Security
Safari & Web

Resources
Documentation
Tutorials
Downloads
Forums
Videos
Support
Support Articles
Contact Us
Bug Reporting
System Status
Account
Apple Developer
App Store Connect
Certificates, IDs, & Profiles
Feedback Assistant

Programs
Apple Developer Program
Apple Developer Enterprise Program
App Store Small Business Program
MFi Program
News Partner Program
Video Partner Program
Security Bounty Program
Security Research Device Program
Events
Meet with Apple
Apple Developer Centers
App Store Awards
Apple Design Awards
Apple Developer Academies
WWDC

Light   Dark   Auto