

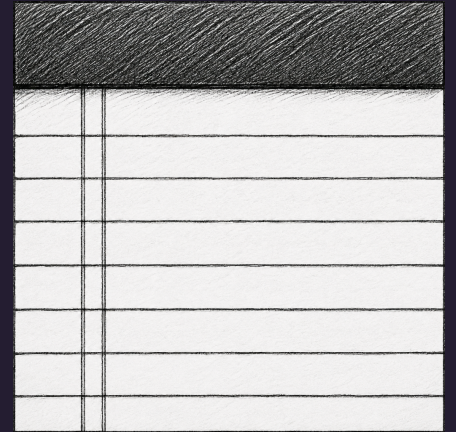
Xcode 27 / iOS 27 Beta

Siri Integration with iOS 27

App Entities, Intents, Onscreen Awareness,
and Apple Intelligence

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App Intents in one sentence

Apple's framework for system integration.

Shortcuts, Siri, Spotlight, widgets, and more.

The system integration vocabulary

App Intent → verb

An action: open, create, append

App Entity → noun

An object: this saved note

App Shortcut → sentence

“Open note Demo Checklist in SwiftyNotes”

App Schema → meaning

Apple’s typed contract for the object or action

What's new—and what already existed

First available	Relevant building blocks
iOS 16	AppIntent, AppEntity, AppShortcut
iOS 18	Schema foundation and IndexedEntity Onscreen APIs: 18.2 / 18.4
iOS 26	supportedModes, deferred properties, interactive snippets
iOS 27	Notes domain; EntityCollection, index recovery, testing

New Notes domain, not a new framework. Check each schema's availability.

What changes in the iOS 27 Siri experience?

Find and understand	Retrieve app content by meaning; answer questions
Act on that content	Use schema-defined actions with natural language
Use what is onscreen	Resolve “this note” to the app’s saved entity

The new experience combines older integration APIs with new domains.
Availability still depends on device, language, settings, and beta.

App Schemas

```
@AppEntity(schema: .notes.note)
```

```
@AppIntent(schema: .notes.appendText)
```

Xcode validates the typed contract.
The app implements the behavior.

Onscreen awareness in SwiftUI

Several notes in a list

```
.appEntityIdentifier(forSelectionType: Note.ID.self)
```

Map each note ID to EntityIdentifier(for: NoteEntity.self, identifier: noteID).

One primary note in the editor

```
.userActivity("com.rlziii.swiftynotes.notedetailview")
```

Set activity.appEntityIdentifier using viewModel.noteID.

Code & Demo

Xcode

Model → entity → query
Intent → shortcut → shared save
Indexing → SwiftUI annotations

Live Demo

Open a named note
Create, append, and pin
Find by meaning → “this note”

One note. One identity. Several system experiences.

Future research

Transferable

Content exchange between apps

AppIntentsTesting

Intent, query, index, and annotation checks

Interaction donations

Completed UI actions as suggestion signals

Custom views & snippets

SwiftUI result views and interactive responses

Index recovery

System-requested reindexing and reconciliation

Production follow-up: editor conflicts and coordinated storage writes.

[Apple: Displaying static and interactive snippets](#)

Xcode 27 agent skills

```
app-intents-specialist  
app-intents-whats-new-27
```

```
xcrun agent skills export --output-dir ...
```

Apple-authored guidance for App Intents.
Export it for use with your coding agent.

Q&A

Questions?

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[Apple documentation and WWDC links follow](#)

WWDC sessions

- WWDC26 [Build intelligent Siri experiences with App Schemas](#)
- WWDC26 [Code-along: Make your app available to Siri](#)
- WWDC26 [Explore advanced App Intents features for Siri and Apple Intelligence](#)
- WWDC25 [Get to know App Intents](#)

Apple documentation and samples

[Notes: entity and action schemas](#)

[Making app entities available in Spotlight](#)

[Providing contextual cues to Apple Intelligence and Siri](#)

[App Intents Testing](#)

Sample projects with integration guides

[Messaging](#)

[Calendar](#)

[Music](#)

[Photos](#)

[Donations and discovery](#)

Let's stay in touch

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