API Collection

App intent domains

Make your app's actions and content available to Siri and Apple Intelligence with assistant schemas.

Overview

To enable enhanced understanding and more conversational interactions with Siri for your app, choose a domain and a schema that match your app's functionality. By conforming your app intent, app entity, or your app enumeration to a schema, you ensure that Apple Intelligence understands your app's actions and content. When you've identified the schema to use, leverage the App Intent(schema:), AppEntity(schema:), and AppEnum(schema:) macros to write schema-conforming code.

> **Note**
>
> Siri's personal context understanding, onscreen awareness, and in-app actions are in development and will be available with a future software update.

To learn more, refer to Integrating actions with Siri and Apple Intelligence and Making onscreen content available to Siri and Apple Intelligence.

Topics

Macros

```
macro AppIntent<T>(schema: T)
```

A Swift macro you use to make sure your app intent conforms to an schema.

```
macro AppEntity<T>(schema: T)
```

```
macro AppEnum<T>(schema: T)
```

A Swift macro you use to make sure your app enum conforms to a schema.

Books

📄 Making ebook actions available to Siri and Apple Intelligence

Create app intents and entities to integrate your app's ebook and audiobook functionality with Siri and Apple Intelligence.

```
protocol BooksIntent
```

Assistant schema conformance for app intents that offer ebook and audiobook functionality.

```
protocol BooksEntity
```

Assistant schema conformance for app entities that describe ebooks or audiobooks.

```
protocol BooksEnum
```

Assistant schema conformance for types you use to describe ebooks or audiobooks.

Browser

📄 Making browser actions available to Siri and Apple Intelligence

Create app intents and entities to integrate your app's web browsing functionality with Siri and Apple Intelligence.

```
protocol BrowserIntent
```

Assistant schema conformance for app intents that offer web browsing functionality.

```
protocol BrowserEntity
```

Assistant schema conformance for app entities that describe data for web browsing functionality.

```
protocol BrowserEnum
```

Assistant schema conformance for types you use for web browsing functionality.

Camera

📄 Making camera actions available to Siri and Apple Intelligence

Create app intents and enumerations to integrate your app's camera functionality with Siri and Apple Intelligence.

`protocol` `CameraIntent`

Assistant schema conformance for app intents that offer camera functionality.

`protocol` `CameraEnum`

Assistant schema conformance for types you use for camera functionality.

Document reader

📄 Making document reader actions available to Siri and Apple Intelligence

Create app intents and entities to integrate your app's document viewing and editing functionality with Siri and Apple Intelligence.

`protocol` `ReaderIntent`

Assistant schema conformance for app intents that offer document viewing and editing functionality.

`protocol` `ReaderEntity`

Assistant schema conformance for app entities that describe documents.

`protocol` `ReaderEnum`

Assistant schema conformance for types you use to describe documents.

File management

📄 Making file management actions available to Siri and Apple Intelligence

Create app intents and entities to integrate your app's file management functionality with Siri and Apple Intelligence.

`protocol` `FilesIntent`

Assistant schema conformance for app intents that offer file management functionality.

`protocol` `FilesEntity`

Assistant schema conformance for app entities that describe files.

Journaling

📄 Making journaling actions available to Siri and Apple Intelligence

Create app intents and entities to integrate your app's journaling functionality with Siri and Apple Intelligence.

protocol `JournalIntent`

Assistant schema conformance for app intents that offer journaling functionality.

protocol `JournalEntity`

Assistant schema conformance for app entities that describe journaling data.

Email

📄 Making email actions available to Siri and Apple Intelligence

Create app intents and entities to integrate your app's email functionality with Siri and Apple Intelligence.

protocol `MailIntent`

Assistant schema conformance for app intents that offer email functionality.

protocol `MailEntity`

Assistant schema conformance for app entities that describe email.

Photos and videos

📄 Making photo and video actions available to Siri and Apple Intelligence

Create app intents and entities to integrate your app's photo and video functionality with Siri and Apple Intelligence.

protocol `PhotosIntent`

Assistant schema conformance for app intents that offer photo and video functionality.

protocol `PhotosEntity`

Assistant schema conformance for app entities that describe media assets.

protocol `PhotosEnum`

Assistant schema conformance for types you use to describe photos and videos.

Presentations

📄 Making presentation actions available to Siri and Apple Intelligence

Create app intents and entities to integrate your app's presentation functionality with Siri and Apple Intelligence.

`protocol` `PresentationIntent`

Assistant schema conformance for app intents that offer presentation functionality.

`protocol` `PresentationEntity`

Assistant schema conformance for app entities that describe presentation data.

Spreadsheets

📄 Making spreadsheet actions available to Siri and Apple Intelligence

Create app intents and entities to integrate your app's spreadsheet functionality with Siri and Apple Intelligence.

`protocol` `SpreadsheetIntent`

Assistant schema conformance for app intents that offer spreadsheet functionality.

`protocol` `SpreadsheetEntity`

Assistant schema conformance for app entities that describe spreadsheet data.

System and in-app search

📄 Making in-app search actions available to Siri and Apple Intelligence

Create app intents and entities to integrate your app's search functionality with Siri and Apple Intelligence.

`protocol` `SystemIntent`

Assistant schema conformance for app intents that match system-provided intents.

Whiteboard

📄 Making whiteboard actions available to Siri and Apple Intelligence

Create app intents and entities that make your app's whiteboard functionality available to Siri and Apple Intelligence.

`protocol` `WhiteboardIntent`

Assistant schema conformance for app intents that offer whiteboard functionality.

`protocol` `WhiteboardEntity`

Assistant schema conformance for app entities that describe data for whiteboard functionality.

`protocol WhiteboardEnum`

Assistant schema conformance for whiteboard types.

Word processor and text editing

📄 Making word processor actions available to Siri and Apple Intelligence

Create app intents and entities that make your app's word processor functionality available to Siri and Apple Intelligence.

`protocol WordProcessorIntent`

Assistant schema conformance for app intents that offer word processing functionality.

`protocol WordProcessorEntity`

Assistant schema conformance for app entities that describe text documents.

Base protocols

☰ Assistant schema base protocols

Protocols that provide the underlying functionality for assistant schemas.

Deprecated symbols

~~`macro AssistantIntent<T>(schema: T)`~~

A Swift macro you use to make sure your app intent conforms to an assistant schema.

Deprecated

~~`macro AssistantEntity<T>(schema: T)`~~

A Swift macro you use to make sure your app entity conforms to an assistant schema.

Deprecated

~~`macro AssistantEnum<T>(schema: T)`~~

A Swift macro you use to make sure your app enum conforms to an assistant schema.

Deprecated

See Also

Siri and Apple Intelligence

📄 Integrating actions with Siri and Apple Intelligence

Create app intents, entities, and enumerations that conform to assistant schemas to tap into the enhanced action capabilities of Siri and Apple Intelligence.

☰ Making onscreen content available to Siri and Apple Intelligence

Enable Siri and Apple Intelligence to respond to a person's questions and action requests for your app's onscreen content.

{} Making your app's functionality available to Siri

Add app intent schemas to your app so Siri can complete requests, and integrate your app with Apple Intelligence, Spotlight, and other system experiences.