Framework

StoreKit

Support In-App Purchases and interactions with the App Store.

iOS 3.0+ | iPadOS 3.0+ | Mac Catalyst 13.0+ | macOS 10.7+ | tvOS 9.0+ | visionOS 1.0+ | watchOS 6.2+

Overview

Use the StoreKit framework to provide the following features and services for your apps and In-App Purchases:

In-App Purchase
Offer and promote In-App Purchases for content and services.

App transaction
Verify a customer's app purchase with an App Store-signed transaction.

Messages
Control the display of App Store messages in your app.

Reviews
Request App Store reviews and ratings from your customers.

Recommendations
Provide recommendations for third-party content that customers can purchase from the App Store.

Ad network attribution
Validate advertisement-driven app installations. See AdAttributionKit for app ad campaigns on the App Store and alternative marketplaces.

The StoreKit framework also provides functionality for External Purchase, External link account, PaymentMethodBinding, and StoreDownloaderExtension.

Topics

In-App Purchase

≡ In-App Purchase

Offer content and services in your app across Apple platforms using a Swift-based interface.

{} Understanding StoreKit workflows

Implement an in-app store with several product types, using StoreKit views.

📄 Getting started with In-App Purchase using StoreKit views

Set up an in-app store using SwiftUI and StoreKit views.

App transaction

📄 Supporting business model changes by using the app transaction

Access the app transaction to determine when a customer purchased an app and the features to which they're entitled.

struct `AppTransaction`

Information that represents the customer's purchase of the app, cryptographically signed by the App Store.

Messages

struct `Message`

An instance for receiving and displaying App Store messages in your app.

struct `Reason`

Reasons for the App Store messages.

struct `DisplayMessageAction`

An instance that asks StoreKit to display an App Store message, if appropriate.

Reviews

{} Requesting App Store reviews

Implement best practices for prompting users to review your app in the App Store.

struct **RequestReviewAction**

An instance that tells StoreKit to request an App Store rating or review, if appropriate.

class ~~SKStoreReviewController~~

An object that controls the process of requesting App Store ratings and reviews from customers.

Deprecated

Recommendations

{} Offering media for sale in your app

Allow users to purchase media in the App Store from within your app.

class **SKStoreProductViewController**

A view controller that provides a page where customers can purchase media from the App Store.

class **SKOverlay**

A class that displays an overlay you can use to recommend another app or an App Clip's corresponding full app.

Background assets extension

protocol **StoreDownloaderExtension**

An app extension that uses the system implementation to schedule Apple-hosted asset-pack downloads automatically.

Payment method binding

struct **PaymentMethodBinding**

A binding that makes payment methods available in apps for an Apple Account.

Ad network attribution

:≡ Ad network attribution

Validate advertisement-driven app installations.

External Purchase

☰ External Purchase

Enable qualifying apps to offer external purchases.

External link account

☰ External link account

Enable qualifying apps to link to an external website for account creation or management.

Deprecated

~~class SKCloudServiceSetupViewController~~

A view controller that helps people perform setup for a cloud service, like an Apple Music subscription.

`Deprecated`

~~class SKCloudServiceController~~

An object that determines the current capabilities of a person's Music library.

`Deprecated`

See Also

Related Documentation

≋ App Store Server API

Manage your customers' App Store transactions from your server.

≋ StoreKit Test

Create and automate tests in Xcode for your app's subscription and in-app purchase transactions, and SKAdNetwork implementations.

≋ App Store Server Notifications

Monitor In-App Purchase events in real time and learn of unreported external purchase tokens, with server notifications from the App Store.

≋ App Store Connect API

Automate the tasks you perform on the Apple Developer website and in App Store Connect.

≋ Advanced Commerce API

Support In-App Purchases through the App Store for exceptionally large catalogs of custom one-time purchases, subscriptions, and subscriptions with optional add-ons.

≋ App Store Receipts

Validate app and In-App Purchase receipts with the App Store.

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