

[App Store Server API](#) / Data types

API Collection

Data types

Refer to these data types for decoded transaction and renewal information payloads.

Topics

Environment

`type environment`

The server environment, either sandbox or production.

Transaction identifiers

`type originalTransactionId`

The original transaction identifier of a purchase.

`type transactionId`

The unique identifier for a transaction, such as an In-App Purchase, restored In-App Purchase, or subscription renewal.

`type webOrderLineItemId`

The unique identifier of subscription-purchase events across devices, including renewals.

App transaction identifier

`type appTransactionId`

The unique identifier of the app download transaction.

App information

`type appId`

The unique identifier of an app in the App Store.

`type bundleId`

The bundle identifier of an app.

`type originalApplicationVersion`

The app version that the customer originally purchased from the App Store.

`type originalPlatform`

The platform on which a customer originally purchases an app.

`type preorderDate`

The date a customer places an order for the app before it's available in the App Store, expressed in UNIX time, in milliseconds.

Account information

`type appAccountToken`

The UUID that you generate to associate a customer's In-App Purchase with its resulting App Store transaction.

Product information

`type productId`

The unique identifier of the product.

`type type`

The type of In-App Purchase products you can offer in your app.

`type subscriptionGroupIdentifier`

The identifier of the subscription group that the subscription belongs to.

`type quantity`

The number of purchased consumable products.

Product price and currency

type price

The price, in milliunits, of the In-App Purchase that the system records in the transaction.

type currency

The three-letter ISO 4217 currency code for the price of the product.

Storefront information

type storefront

The three-letter code that represents the country or region associated with the App Store storefront of the purchase.

type storefrontId

An Apple-defined value that uniquely identifies an App Store storefront.

Offers

type eligibleWinBackOfferIds

An array of win-back offer identifiers that a customer is eligible to redeem, which sorts the identifiers with the best offers first.

type offerIdentifier

The string identifier of a subscription offer that you create in App Store Connect.

type offerPeriod

The duration of the offer.

type offerType

The type of offer.

type offerDiscountType

The payment mode for a discount offer on an In-App Purchase.

Product purchase dates

type originalPurchaseDate

The purchase date of the transaction associated with the original transaction identifier.

type purchaseDate

The time that the App Store charged the customer's account for an In-App Purchase, a restored In-App Purchase, a subscription, or a subscription renewal after a lapse.

`type recentSubscriptionStartDate`

The earliest start date of a subscription in a series of auto-renewable subscription purchases that ignores all lapses of paid service shorter than 60 days.

Billing status

`type isInBillingRetryPeriod`

A Boolean value that indicates whether the App Store is attempting to automatically renew an expired subscription.

`type gracePeriodExpiresDate`

The time when the Billing Grace Period for subscription renewals expires.

Subscription renewal and expiration

`type autoRenewStatus`

The renewal status for an auto-renewable subscription.

`type autoRenewProductId`

The identifier of the product that renews at the next billing period.

`type expirationIntent`

The reason an auto-renewable subscription expired.

`type expiresDate`

The UNIX time, in milliseconds, an auto-renewable subscription purchase expires or renews.

`type isUpgraded`

The Boolean value that indicates whether the customer upgraded to another subscription.

`type renewalDate`

The UNIX time, in milliseconds, when the most recent auto-renewable subscription purchase expires.

`type renewalPrice`

The renewal price, in milliunits, of the auto-renewable subscription that renews at the next billing period.

type status

The status of an auto-renewable subscription.

Family Sharing

type inAppOwnershipType

A string that describes whether the transaction was purchased by the customer, or is available to them through Family Sharing.

Price increase status

type priceIncreaseStatus

The status that indicates whether an auto-renewable subscription is subject to a price increase.

Revocation date and reason

type revocationDate

The UNIX time, in milliseconds, that the App Store refunded the transaction or revoked it from Family Sharing.

type revocationReason

The reason for a refunded transaction.

Transaction reason

type transactionReason

The cause of a purchase transaction, which indicates whether it's a customer's purchase or a renewal for an auto-renewable subscription that the system initiates.

JSON Web Signature (JWS) date

type signedDate

The UNIX time, in milliseconds, that the App Store signed the JSON Web Signature data.

type receiptCreationDate

The date that the App Store signs a JSON Web Signature (JWS) app transaction.

Advanced Commerce API data



Data types for Advanced Commerce API

Objects and data types for transactions that use the Advanced Commerce API.

See Also

JWS headers and payloads

`object JWSDecodedHeader`

A decoded JSON Web Signature (JWS) header containing transaction or renewal information.

`type JWSTransaction`

App transaction information signed by the App Store, in JSON Web Signature (JWS) Compact Serialization format.

`object JWSTransactionDecodedPayload`

A decoded payload that contains app transaction information.

`type JWSTransaction`

Transaction information signed by the App Store, in JSON Web Signature (JWS) Compact Serialization format.

`object JWSTransactionDecodedPayload`

A decoded payload that contains transaction information.

`type JWSRenewalInfo`

Subscription renewal information, signed by the App Store, in JSON Web Signature (JWS) format.

`object JWSRenewalInfoDecodedPayload`

A decoded payload containing subscription renewal information for an auto-renewable subscription.