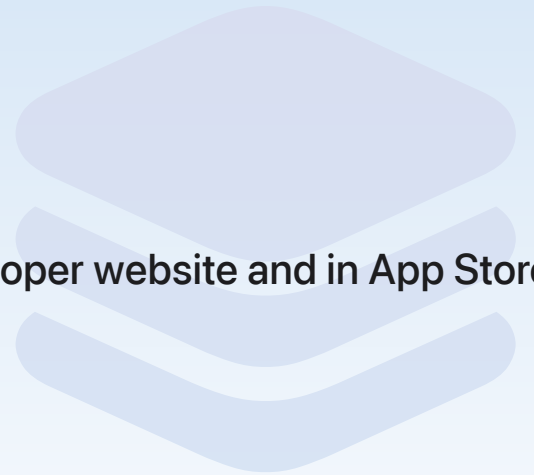Web Service

App Store Connect API

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

App Store Connect API 1.0+

Overview

The App Store Connect API is a REST API that enables the automation of actions you take in App Store Connect. Click OpenAPI specification to download the specification file.

Calls to the API require JSON Web Tokens (JWT) for authorization; you obtain keys to create the tokens from your organization's App Store Connect account. See Creating API Keys for App Store Connect API to create your keys and tokens.

> **Important**
>
> Changes you make using the App Store Connect API affect the production data you use for development and distribution.

The API provides resources to automate these areas of App Store Connect:

- **In-App Purchases and Subscriptions.** Manage in-app purchases and auto-renewable subscriptions for your app.

- **TestFlight.** Manage beta builds of your app, testers, and groups.

- **Xcode Cloud.** Read Xcode Cloud data, manage workflows, and start builds.

- **Users and Access.** Send invitations for users to join your team. Adjust their level of access or remove users.

- **Provisioning.** Manage bundle IDs, capabilities, signing certificates, devices, and provisioning profiles.

- **App Metadata.** Create new versions, manage App Store information, and submit your app to the App Store.

- **App Clip Experiences.** Create an App Clip and manage App Clip experiences.

- **Reporting.** Download sales and financial reports.

- **Power and Performance Metrics.** Download aggregate metrics and diagnostics for App Store versions of your app.

- **Customer Reviews and Review Responses.** Get the customer reviews for your app and manage your responses to the customer reviews.

The App Store Connect API returns responses from resources that are consistent JSON data and contain links to additional related resources. Use these relationships to navigate to the related resources—for example, to find beta testers within specific beta groups in TestFlight. Apply filtering to requests on specific resources to refine the response.

Topics

Essentials

📄 Creating API Keys for App Store Connect API

Create API keys to sign JSON Web Tokens (JWTs) and authorize API requests.

📄 Generating Tokens for API Requests

Create JSON Web Tokens (JWTs) signed with your private key to authorize API requests.

📄 Revoking API Keys

Revoke unused, lost, or compromised private keys.

📄 Identifying Rate Limits

Recognize the rate limits that REST API responses provide and handle them in your code.

📄 Uploading Assets to App Store Connect

Upload screenshots, app previews, attachments for App Review, and routing app coverage files to App Store Connect.

☰ App Store Connect API Release Notes

Learn about new features and updates in the App Store Connect API.

App Store

☰ App Store

Manage all aspects of your app, App Clips, in-app purchases, and customer reviews in the App Store.

TestFlight

☰ Prerelease Versions and Beta Testers

Manage your beta testing program, including beta testers and groups, apps, App Clips, and builds.

Game Center

☰ Game Center

Manage Game Center data and configurations for your apps.

Provisioning

☰ Bundle IDs

Manage the bundle IDs that uniquely identify your apps.

☰ Bundle ID Capabilities

Manage the app capabilities for a bundle ID.

☰ Certificates

Create, download, and revoke signing certificates for app development and distribution.

☰ Devices

Register devices for development and testing.

☰ Profiles

Create, delete, and download provisioning profiles that enable app installations for development and distribution.

☰ Merchant ID

Manage your merchant ID for Apple Pay.

☰ Pass type Ids

Create, download, and revoke pass type ids for app development and distribution.

Xcode Cloud

- Xcode Cloud Workflows and Builds

  Automate reading Xcode Cloud data, managing workflows, and starting builds.

Webhooks

- Webhook notifications

  Manage notifications from App Store about your apps and their statuses.

Reporting

- Sales and Finance

  Download your sales and financial reports.

- Power and Performance Metrics and Logs

  Get power and performance metrics, logs, and signatures.

- Analytics

  Get data about your apps and usage.

Users and Access

- Users

  Manage users on your App Store Connect team.

- User Invitations

  Email invitations to join your App Store Connect team.

- Sandbox Testers

  Manage sandbox testers on your App Store Connect team.

Error Handling

- Interpreting and Handling Errors

  Learn how the App Store Connect API returns errors and handle them in your code.

Paging

- Large Data Sets

  Retrieve large data sets with paging information.

Alternative App Distribution

☰ Alternative Marketplaces and Web Distribution

Manage keys, packages, and search for alternative app distribution.

Dictionaries

object `CiBranchStartCondition`

Settings for a start condition that starts a build if a branch changes.

object `CiFilesAndFoldersRule`

Settings Xcode Cloud uses to determine whether a change should start a new build or not.

object `CiGitUser`

The data structure that represents a Git Users resource.

object `CiIssueCounts`

The data structure that represents an Issue Counts resource.

object `CiPullRequestStartCondition`

Settings for a start condition that starts a build if a pull request changes.

object `CiScheduledStartCondition`

Settings for a start condition that starts a build based on a schedule.

object `CiTagStartCondition`

Settings for a start condition that starts a build if a Git tag changes.

object `CiTestDestination`

The test destination of a test action that Xcode Cloud performs.

object `JsonPointer`

An object that contains the JSON pointer that indicates the location of the error.

object `Parameter`

An object that contains the query parameter that produced the error.

Type Aliases

type `BuildAudienceType`

A string that represents the App Store Connect audience for a build.

type CiActionType

A string that represents the type of an Xcode Cloud workflow's action.

type CiCompletionStatus

A string that represents the completion status of an Xcode Cloud build.

type CiExecutionProgress

A string that represents the progress of an ongoing Xcode Cloud build.

type CiTestDestinationKind

The string that represents the kind of a test destination.

type CiTestStatus

A string that represents test status information.

type DiagnosticInsightDirection

A string that describes the diagnostic insight direction.

type DiagnosticInsightType

A string that desribes the diagnostic insight type.

type GameCenterLeaderboardFormatter

The values you can select to describe the format of a leaderboard.

type TerritoryCode

The App Store territory codes.