

[Authentication Services](#) / ASAuthorizationAppleIDProvider

## Class

# ASAuthorizationAppleIDProvider

A mechanism for generating requests to authenticate users based on their Apple ID.

iOS 13.0+ | iPadOS 13.0+ | Mac Catalyst 13.1+ | macOS 10.15+ | tvOS 13.0+ | visionOS 1.0+ | watchOS 6.0+

```
class ASAuthorizationAppleIDProvider
```

## Overview

You use a provider to create a request ([ASAuthorizationAppleIDRequest](#)), which you then use to initialize a controller ([ASAuthorizationController](#)) that performs the request:

```
let provider = ASAuthorizationAppleIDProvider()
let request = provider.createRequest()
let controller = ASAuthorizationController(authorizationRequests: [request])
```

On success, the controller's delegate receives an authorization ([ASAuthorization](#)) containing a credential ([ASAuthorizationAppleIDCredential](#)) that has an opaque [user](#) identifier. You can use that identifier to later check the user's credential state—for example, to see if authorization has been revoked—by calling the [getCredentialState\(forUserID:completion:\)](#) method:

```
let user = authorization.credential.user
provider.getCredentialState(forUserID: user) { state, error in
    // Check for error and examine the state.
}
```

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# Topics

## Offering Sign In with Apple

`class ASAuthorizationAppleIDButton`

A control you add to your interface that enables users to initiate the Sign In with Apple flow.

`class WKInterfaceAuthorizationAppleIDButton`

A button that you can use to trigger a Sign in with Apple request.

## Creating Requests

`func createRequest() -> ASAuthorizationAppleIDRequest`

Creates a new Apple ID authorization request.

`class ASAuthorizationAppleIDRequest`

An OpenID authorization request that relies on the user's Apple ID.

`class ASAuthorizationOpenIDRequest`

An OpenID authorization request.

## Getting State

`func getCredentialState(forUserID: String, completion: (ASAuthorizationAppleIDProvider.CredentialState, (any Error)?) -> Void)`

Returns the credential state for the given user in a completion handler.

`enum CredentialState`

Possible values for the credential state of a user.

`class let credentialRevokedNotification: NSNotification.Name`

A notification that indicates the user's credentials have been revoked and they should be signed out.

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## Relationships

## Inherits From

NSObject

## Conforms To

ASAuthorizationProvider

CVarArg

CustomDebugStringConvertible

CustomStringConvertible

Equatable

Hashable

NSObjectProtocol

Sendable

SendableMetatype

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## See Also

### Sign In with Apple

`{}` Implementing User Authentication with Sign in with Apple

Provide a way for users of your app to set up an account and start using your services.

`{}` Simplifying User Authentication in a tvOS App

Build a fluid sign-in experience for your tvOS apps using AuthenticationServices.

`struct` SignInWithAppleButton

A SwiftUI view that creates the Sign in with Apple button for display.

Sign in with Apple Entitlement

An entitlement that lets your app use Sign in with Apple.

`class` ASAuthorizationAppleIDCredential

A credential that results from a successful Apple ID authentication.