

[Authentication Services](#) / [ASAAuthorizationAppleIDProvider](#)

Class

ASAAuthorizationAppleIDProvider

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 ASAAuthorizationAppleIDProvider
```

Overview

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

```
let provider = ASAAuthorizationAppleIDProvider()  
let request = provider.createRequest()  
let controller = ASAAuthorizationController(authorizationRequests: [request])
```

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 You can use that identifier to later check the user's credential state—for example, to see if authorization has been revoked—by calling the [getCredentialState\(forUserID:completion:\)](#) method: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

Topics

Offering Sign In with Apple

```
class ASAAuthorizationAppleIDButton
```

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() -> ASAAuthorizationAppleIDRequest
```

Creates a new Apple ID authorization request.

```
class ASAAuthorizationAppleIDRequest
```

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

```
class ASAAuthorizationOpenIDRequest
```

An OpenID authorization request.

Getting State

```
func getCredentialState(forUserID: String, completion: (ASAAuthorizationAppleIDProvider.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A notification that indicates the user's credentials have been revoked and they should be signed out.

Relationships

Inherits From

NSObject

Conforms To

ASAuthorizationProvider
CVarArg
CustomDebugStringConvertible
CustomStringConvertible
Equatable
Hashable
NSObjectProtocol
Sendable
SendableMetatype

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.