

[Authentication Services](#) / `ASAccountAuthenticationModificationExtensionContext`

Class

# ASAccountAuthenticationModificationExtensionContext

An object that you interact with to change an account's password or to upgrade to Sign in with Apple.

iOS 14.0+ | iPadOS 14.0+ | Mac Catalyst 14.0+ | visionOS 1.0+

```
class ASAccountAuthenticationModificationExtensionContext
```

## Overview

### Note

This class ignores calls from Mac apps built with Mac Catalyst.

## Topics

### Handling Requests

```
func completeUpgradeToSignInWithApple(userInfo: [AnyHashable : Any]?)
```

Completes the process of upgrading an account's authentication credentials from using passwords to using Sign in with Apple.

```
func completeChangePasswordRequest(updatedCredential: ASPassword  
Credential, userInfo: [AnyHashable : Any]?)
```

Completes a request to update an account's authentication credentials from using a weak password to using a strong password.

```
func getSignInWithAppleUpgradeAuthorization(state: String?, nonce:  
String?, completionHandler: (ASAAuthorizationAppleIDCredential?, (any  
Error)?) -> Void)
```

Retrieves the user's current Sign in with Apple authorization credentials.

```
func cancelRequest(withError: any Error)
```

Cancels a request with an error.

```
let ASExtensionLocalizedFailureReasonErrorKey: String
```

A key that specifies a string value to show to the user when a request fails.

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## Relationships

### Inherits From

NSExtensionContext

### Conforms To

CVarArg  
CustomDebugStringConvertible  
CustomStringConvertible  
Equatable  
Hashable  
NSObjectProtocol  
Sendable  
SendableMetatype

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### See Also

[Automatic security upgrades](#)

## Upgrading Account Security With an Account Authentication Modification Extension

Automatically and transparently convert accounts to Sign in with Apple or to use strong passwords for improved security.

`class ASAccountAuthenticationModificationController`

An object that performs a request to modify an account's authentication properties.

`class ASAccountAuthenticationModificationViewController`

A view controller that can upgrade user passwords to strong passwords, or convert accounts to use Sign in with Apple.