

[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: (ASAuthorizationAppleIDCredential?, (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.