

[Authentication Services](#) / `ASAccountAuthenticationModificationController`

Class

ASAccountAuthenticationModificationController

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

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

```
class ASAccountAuthenticationModificationController
```

Mentioned in

 Upgrading Account Security With an Account Authentication Modification Extension

Overview

Note

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

Topics

Initiating Security Upgrades from Your App

```
func perform(ASAccountAuthenticationModificationRequest)
```

Performs a request to upgrade the authentication credentials for an account to a strong password, or to use Sign in with Apple.

```
class ASAccountAuthenticationModificationReplacePasswordWithSignInWithAppleRequest
```

A request to upgrade from using a password to using Sign in with Apple.

```
class ASAccountAuthenticationModificationUpgradePasswordToStrongPasswordRequest
```

A request to automatically upgrade from a weak password to a strong password.

```
class ASAccountAuthenticationModificationRequest
```

A request to modify an account's authentication properties.

Configuring Requests

```
var presentationContextProvider: (any ASAccountAuthenticationModificationControllerPresentationContextProviding)?
```

An object that provides a presentation context for the account modification request's user interface.

```
var delegate: (any ASAccountAuthenticationModificationControllerDelegate)?
```

An object that receives notifications about the request's status.

Relationships

Inherits From

NSObject

Conforms To

CVarArg

CustomDebugStringConvertible

CustomStringConvertible

Equatable

Hashable

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 ASAccountAuthenticationModificationViewController`

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

`class ASAccountAuthenticationModificationExtensionContext`

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