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Protocol

HistoryProviding

An interface that enables a custom data store to provide the history of changes for its persisted models.

iOS 18.0+ | iPadOS 18.0+ | Mac Catalyst 18.0+ | macOS 15.0+ | tvOS 18.0+ | visionOS 2.0+ | watchOS 11.0+ |
Swift 5.9+

protocol HistoryProviding

Topics

Processing history fetch requests

```
func fetchHistory(HistoryDescriptor<Self.HistoryType>) throws -> [Self.HistoryType]
```

Required

Deleting history

```
func deleteHistory(HistoryDescriptor<Self.HistoryType>) throws
```

Required

Getting the history transaction type

```
associatedtype HistoryType : HistoryTransaction
```

Required

Type Properties

`static var historyType: Self.HistoryType.Type`

Required

Relationships

Conforming Types

`DefaultStore`

See Also

Model storage

`{}` Maintaining a local copy of server data

Create and update a persistent store to cache read-only network data.

`class DefaultStore`

A data store that uses Core Data as its underlying storage mechanism.

`protocol DataStore`

An interface that enables `SwiftData` to read and write model data without knowledge of the underlying storage mechanism.

`protocol DataStoreBatching`

An interface that enables a custom data store to support batch requests.

`{}` Building a document-based app using `SwiftData`

Code along with the WWDC presenter to transform an app with `SwiftData`.

`struct ModelDocument`

A document type that uses `SwiftData` to manage its storage.