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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

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## Relationships

### Conforming Types

DefaultStore

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## 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.