

[SwiftData](#) / HistoryTransaction

Protocol

HistoryTransaction

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 HistoryTransaction : Hashable, Identifiable, Sendable
```

Topics

Associated Types

```
associatedtype TokenType : Comparable, Hashable, Identifiable, Sendable
```

Required

```
associatedtype TransactionIdentifier : Comparable, Hashable, Sendable
```

Required

Instance Properties

```
var author: String?
```

Required

```
var changes: [HistoryChange]
```

Required

```
var storeIdentifier: String
```

Required

```
var timestamp: Date
```

Required

```
var token: Self.TokenType
```

Required

```
var transactionIdentifier: Self.TransactionIdentifier
```

Required

Relationships

Inherits From

Equatable

Hashable

Identifiable

Sendable

SendableMetatype

Conforming Types

DefaultHistoryTransaction

See Also

History life cycle

enum HistoryChange

Values that describe data history transactions.

protocol HistoryDelete

An interface that enables a custom data store to delete items from the history of changes to its persisted models.

protocol HistoryInsert

protocol HistoryToken

protocol HistoryUpdate

```
struct HistoryTombstone  
  
struct DefaultHistoryInsert  
  
struct DefaultHistoryUpdate  
  
struct DefaultHistoryDelete  
  
struct DefaultHistoryToken  
  
struct DefaultHistoryTransaction
```