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Protocol

# HistoryDelete

An interface that enables a custom data store to delete items from the history of changes to 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 HistoryDelete<Model> : Sendable
```

## Topics

### History deletion properties

`var changeIdentifier: Self.ChangeIdentifier`

The change identifier of the delete operation.

**Required**

`var changedPersistentIdentifier: PersistentIdentifier`

The changed persistent identifier of the delete operation.

**Required**

`var tombstone: HistoryTombstone<Self.Model>`

The value the framework uses to represent information about data the Swift Data previously deleted from a model.

**Required**

`var transactionIdentifier: Self.TransactionIdentifier`

The delete operation's transaction identifier.

**Required**

## Associated types

```
associatedtype ChangeIdentifier : Comparable, Hashable, Sendable
```

The type associated with the change identifier.

**Required**

```
associatedtype Model : PersistentModel
```

The type associated with the persistent model.

**Required**

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

The type associated with the transaction identifier.

**Required**

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## Relationships

### Inherits From

Sendable, SendableMetatype

### Conforming Types

DefaultHistoryDelete

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## See Also

### History life cycle

```
enum HistoryChange
```

Values that describe data history transactions.

```
protocol HistoryInsert
```

```
protocol HistoryToken
```

```
protocol HistoryTransaction
```

```
protocol HistoryUpdate

struct HistoryTombstone

struct DefaultHistoryInsert

struct DefaultHistoryUpdate

struct DefaultHistoryDelete

struct DefaultHistoryToken

struct DefaultHistoryTransaction
```