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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 properites

```
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
```