

[SwiftData](#) / HistoryUpdate

Protocol

# HistoryUpdate

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 HistoryUpdate<Model> : Sendable
```

## Topics

### Associated Types

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

Required

```
associatedtype Model : PersistentModel
```

Required

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

Required

### Instance Properties

```
var changeIdentifier: Self.ChangeIdentifier
```

Required

```
var changedPersistentIdentifier: PersistentIdentifier
```

Required

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

Required

```
var updatedAttributes: [any PartialKeyPath<Self.Model> & Sendable]
```

Required

## Type Aliases

```
typealias PropertyUpdate
```

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## Relationships

### Inherits From

```
Sendable, SendableMetatype
```

### Conforming Types

```
DefaultHistoryUpdate
```

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## 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 HistoryTransaction
```

```
struct HistoryTombstone
```

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