

[AppKit](#) / [NSTableViewDataSource](#) / `tableView(_:validateDrop:proposedRow:proposedDropOperation:)`

Instance Method

tableView(_:validateDrop:proposedRow:proposedDropOperation:)

Used by a `tableView` to determine a valid drop target.

macOS

```
@MainActor
optional func tableView(
    _ tableView: NSTableView,
    validateDrop info: any NSDraggingInfo,
    proposedRow row: Int,
    proposedDropOperation dropOperation: NSTableView.DropOperation
) -> NSDragOperation
```

Parameters

tableView

The table view that sent the message.

info

An object that contains more information about this dragging operation.

row

The index of the proposed target row.

dropOperation

The type of dragging operation proposed.

Return Value

The dragging operation the data source will perform.

Discussion

The data source may retarget a drop by calling `setDropRow(:dropOperation:)` and returning something other than `NSDragOperationNone`. A data source might retarget for various reasons, such as to provide better visual feedback when inserting into a sorted position.

To propose a drop on the second row, `row` would be 2 and `operation` would be `NSTableViewDropOn`. To propose a drop below the last row, `row` would be `[aTableView numberOfRows]` and `operation` would be `NSTableViewDropAbove`.

See Also

Drag and Drop

`{}` Supporting Table View Drag and Drop Through File Promises

Share data between macOS apps during drag and drop by using an item provider.

```
func tableView(NSTableView, acceptDrop: any NSDraggingInfo, row: Int, dropOperation: NSTableView.DropOperation) -> Bool
```

Called by a `TableView` when the mouse button is released over a table view that previously decided to allow a drop.

```
func tableView(NSTableView, namesOfPromisedFilesDroppedAtDestination: URL, forDraggedRowsWith: IndexSet) -> [String]
```

Returns an array of filenames that represent the `indexSet` rows for a drag to drop Destination.

Deprecated

```
func tableView(NSTableView, writeRowsWith: IndexSet, to: NSPasteboard) -> Bool
```

Returns a Boolean value that indicates whether a drag operation is allowed.

Deprecated

```
func tableView(NSTableView, draggingSession: NSDraggingSession, willBeginAt: NSPoint, forRowIndexes: IndexSet)
```

Implement this method to determine when a dragging session will begin.

```
func tableView(NSTableView, updateDraggingItemsForDrag: any NSDraggingInfo)
```

Implement this method to allow the table to update dragging items as they are dragged over a view.

```
func tableView(NSTableView, draggingSession: NSDraggingSession, endedAt : NSPoint, operation: NSDragOperation)
```

Implement this method to determine when a dragging session has ended.