

[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 numberOfRowsInSection]` 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 `aTableView` 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, will  
BeginAt: 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.