NSBrowser

Inherits From: NSControl : NSView : NSResponder : NSObject

Declared In: appkit/NSBrowser.h

Setting the Delegate

- (id)**delegate** — Returns the NSBrowser's delegate.
- (void)**setDelegate:**(id)*anObject* — Sets the NSBrowser's delegate to *anObject*.

Target and Action

- (SEL)**doubleAction** — Returns the NSBrowser's double-click action method.
- (BOOL)**sendAction** — Sends the action message to the target. Returns YES upon success, NO if no responder for the message could be found.
- (void)**setDoubleAction:**(SEL)*aSelector* — Sets the NSBrowser's double-click action to *aSelector*.

Setting Component Classes

- (id)**cellPrototype** — Returns the NSBrowser's prototype NSCell.
- (Class)**matrixClass** — Returns the class of NSMatrix used in the NSBrowser's columns.
- (void)**setCellClass:**(Class)*classId* — Sets the class of NSCell used in the columns of the NSBrowser.
- (void)**setCellPrototype:**(NSCell *)*aCell* — Sets the NSCell instance copied to display items in the columns of NSBrowser.
- (void)**setMatrixClass:**(Class)*classId* — Sets the class of NSMatrix used in the NSBrowser's columns.

Setting NSBrowser Behavior

- (BOOL)**reusesColumns** Returns YES if NSMatrix objects aren't freed when their columns are unloaded.
- (void)**setReusesColumns:**(BOOL)*flag* If *flag* is YES, prevents NSMatrix objects from being freed when their columns are unloaded, so they can be reused.
- (void)**setTakesTitleFromPreviousColumn:**(BOOL)*flag* Sets whether the title of a column is set to the string value of the selected NSCell in the previous column.
- (BOOL)**takesTitleFromPreviousColumn** Returns YES if the title of a column is set to the string value of the selected NSCell in the previous column.

Allowing Different Types of Selection

- (BOOL)**allowsBranchSelection** Returns whether the user can select branch items when multiple selection is enabled.
- (BOOL)**allowsEmptySelection** Returns whether there can be nothing selected.
- (BOOL)**allowsMultipleSelection** Returns whether the user can select multiple items.
- (void)**setAllowsBranchSelection:**(BOOL)*flag* Sets whether the user can select branch items when multiple selection is enabled.
- (void)**setAllowsEmptySelection:**(BOOL)*flag* Sets whether there can be nothing selected.
- (void)**setAllowsMultipleSelection:**(BOOL)*flag* Sets whether the user can select multiple items.

Setting Arrow Key Behavior

- (BOOL)**acceptsArrowKeys** Returns YES if the arrow keys are enabled.
- (BOOL)**sendsActionOnArrowKeys** Returns NO if pressing an arrow key only scrolls the browser, YES if it also sends the action message specified by **setAction:**.
- (void)**setAcceptsArrowKeys:**(BOOL)*flag* Enables or disables the arrow keys.
- (void)**setSendsActionOnArrowKeys:**(BOOL)*flag* Sets whether pressing an arrow key will cause the action message to be sent (in addition to causing scrolling).

Showing a Horizontal Scroller

- (void)**setHasHorizontalScroller:**(BOOL)*flag*	Sets whether an NSScroller is used to scroll horizontally.
- (BOOL)**hasHorizontalScroller**	Returns whether an NSScroller is used to scroll horizontally.

Setting the NSBrowser's Appearance

- (int)**maxVisibleColumns**	Returns the maximum number of visible columns.
- (int)**minColumnWidth**	Returns the minimum column width.
- (BOOL)**separatesColumns**	Returns whether columns are separated by bezeled borders.
- (void)**setMaxVisibleColumns:**(int)*columnCount*	Sets the maximum number of columns displayed.
- (void)**setMinColumnWidth:**(int)*columnWidth*	Sets the minimum column width.
- (void)**setSeparatesColumns:**(BOOL)*flag*	Sets whether to separate columns with bezeled borders.

Manipulating Columns

- (void)**addColumn**	Adds a column to the right of the last column.
- (int)**columnOfMatrix:**(NSMatrix *)*matrix*	Returns the column number in which *matrix* is located.
- (void)**displayAllColumns**	Updates the NSBrowser to display all loaded columns.
- (void)**displayColumn:**(int)*column*	Updates the NSBrowser to display the column with the given index.
- (int)**firstVisibleColumn**	Returns the index of the first visible column.
- (BOOL)**isLoaded**	Returns whether column zero is loaded.
- (int)**lastColumn**	Returns the index of the last column loaded.
- (int)**lastVisibleColumn**	Returns the index of the last visible column.
- (void)**loadColumnZero**	Loads column zero; unloads previously loaded columns.
- (int)**numberOfVisibleColumns**	Returns the number of columns visible.
- (void)**reloadColumn:**(int)*column*	Reloads *column* if it is loaded; sets it as the last column.
- (void)**selectAll:**(id)*sender*	Selects all NSCells in the last column of the NSBrowser.
- (int)**selectedColumn**	Returns the index of the last column with a selected item.
- (void)**setLastColumn:**(int)*column*	Sets the last column to *column*.
- (void)**validateVisibleColumns**	Invokes delegate method **browser:isColumnValid:** for visible columns.

Manipulating Column Titles

- (void)**drawTitle:**(NSString *)*title* **inRect:**(NSRect)*aRect* **ofColumn:**(int)*column*	Draws the title for the column at index *column*.
- (BOOL)**isTitled**	Returns whether columns display titles.
- (void)**setTitled:**(BOOL)*flag*	Sets whether columns display titles.
- (void)**setTitle:**(NSString *)*aString* **ofColumn:**(int)*column*	Sets the title of the column at index *column* to *aString*.
- (NSRect)**titleFrameOfColumn:**(int)*column*	Returns the bounds of the title frame for the column at index *column*.
- (float)**titleHeight**	Returns the height of column titles.
- (NSString *)**titleOfColumn:**(int)*column*	Returns the title displayed for the column at index *column*.

Scrolling an NSBrowser

- (void)**scrollColumnsLeftBy:**(int)*shiftAmount*	Scrolls columns left by *shiftAmount* columns.
- (void)**scrollColumnsRightBy:**(int)*shiftAmount*	Scrolls columns right by *shiftAmount* columns.
- (void)**scrollColumnToVisible:**(int)*column*	Scrolls to make the column at index *column* visible.
- (void)**scrollViaScroller:**(NSScroller *)*sender*	Scrolls columns left or right based on an NSScroller.
- (void)**updateScroller**	Updates the horizontal scroller to reflect column positions.

Event Handling

- (void)**doClick:**(id)*sender*	Responds to mouse clicks in a column of the NSBrowser.
- (void)**doDoubleClick:**(id)*sender*	Responds to double-clicks in a column of the NSBrowser.

Getting Matrices and Cells

- (id)**loadedCellAtRow:**(int)*row* **column:**(int)*column*	Loads if necessary and returns the NSCell at *row* in *column*.
- (NSMatrix *)**matrixInColumn:**(int)*column*	Returns the matrix located in *column*.
- (id)**selectedCell**	Returns the last (rightmost and lowest) selected NSCell.
- (id)**selectedCellInColumn:**(int)*column*	Returns the last (lowest) NSCell that's selected in *column*.
- (NSArray *)**selectedCells**	Returns all the rightmost selected NSCells.

Getting Column Frames

- (NSRect)**frameOfColumn:**(int)*column*	Returns the rectangle containing the column at index *column*.
- (NSRect)**frameOfInsideOfColumn:**(int)*column*	Returns the rectangle containing the column at index *column*, not including borders.

Manipulating Paths

- (NSString *)**path**	Returns the browser's current path.
- (NSString *)**pathSeparator**	Returns the path separator.
- (NSString *)**pathToColumn:**(int)*column*	Returns a string representing the path from the first column to the column at index *column*.
- (BOOL)**setPath:**(NSString *)*path*	Parses *path* and selects corresponding items in columns.
- (void)**setPathSeparator:**(NSString *)*aString*	Sets the path separator to *aString*.

Arranging an NSBrowser's Components

- (void)**tile**	Adjusts the NSBrowser's components.

Methods Implemented by the Delegate

- (void)**browser:**(NSBrowser *)*sender* **createRowsForColumn:**(int)*column* **inMatrix:**(NSMatrix *)*matrix*	Creates a row in *matrix* for each row of data to be displayed in *column* of the browser. Either this method or **browser:numberOfRowsInColumn:** must be implemented, but not both.
- (void)**browserDidScroll:**(NSBrowser *)*sender*	Notifies the delegate when the NSBrowser has scrolled.
- (BOOL)**browser:**(NSBrowser *)*sender* **isColumnValid:**(int)*column*	Returns whether the contents of the specified column are valid.
- (int)**browser:**(NSBrowser *)*sender* **numberOfRowsInColumn:**(int)*column*	Returns the number of rows of data in the column at index *column*. Either this method or

inMatrix:(NSMatrix *)*matrix*

browser:createRowsForColumn:inMatrix: must be implemented, but not both.

- (BOOL)**browser:**(NSBrowser *)*sender*
selectCell:(NSString *)*title*
inColumn:(int)*column*

Requests the delegate to select the NSCell with title *title* in the column at index *column*.

- (NSString *)**browser:**(NSBrowser *)*sender*
titleOfColumn:(int)*column*

Queries the delegate for the title to display above the column at index *column*.

- (void)**browser:**(NSBrowser *)*sender*
willDisplayCell:(id)*cell*
atRow:(int)*row*
column:(int)*column*

Notifies the delegate when the NSBrowser will display the specified cell. The delegate should set any state necessary for correct display of the cell.

- (void)**browserWillScroll:**(NSBrowser *)*sender*

Notifies the delegate when the NSBrowser will scroll.