



JellyFish Pro Plugin Reference

The following topics illustrate commands, messages and structures used with the JellyFish Pro editor.

[JellyFish Pro Plugin Introduction](#)

[JellyFish Pro Plugin Authors Kit](#)

[JellyFish Pro Control Commands](#)

[JellyFish Pro Control Messages](#)

[JellyFish Pro Control Structures](#)

[JellyFish Pro Control Procedures](#)

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JellyFish Pro Plugin Introduction

JellyFish Pro Plugins allow the PowerBasic programmer unprecedented access to the internal workings of the JellyFish Pro Editor. This access gives you the ability to extend JellyFish Pro's already extensive feature set in any way you can imagine. The following are some important points to remember as you are developing your JellyFish Pro Plugin:

[1] Determine if your plugin will have a graphical interface. If you are not planning to allow any interaction with the user, other than simple message boxes, then you should use the simple "jfplugins_template.bas" source file. If you plan to use a graphical interface then you need to choose between traditional SDK programming style and PowerBasic's proprietary DDT style. Template source code is available for these in "jfplugins_template_SDK.bas" and "jfplugins_template_DDT.bas" respectively.

[2] Once you have determined which plugin source code template to use, you should save the file under a different name. This ensures that the original template code remains unaltered and ready for future use.

[3] Create your plugin. When you have finished coding your plugin, compile it using the PowerBasic version 6 or newer compiler. It will be compiled into a DLL.

[4] Copy the resulting DLL to the JellyFish Pro plugin's directory. This directory is always located immediately off of the directory that holds the main JellyFish Pro EXE. For example: If the JellyFish Pro editors directory is C:\JPRO then the plugin directory would be C:\JPRO\PLUGINS.

If you wish to share your plugin with other JellyFish Pro users, then please email a copy to plugins@planetsquires.com. The latest plugin files are available to registered JellyFish Pro users at [PlanetSquires](#).

See Also

[JellyFish Pro Authors Kit](#)

JellyFish Pro Plugin Authors Kit

The JellyFish Pro Plugin Authors Kit contains all the files and information needed, in conjunction with the PBDLL6 or newer PowerBASIC compiler, to create a working JellyFish Pro plugin. The latest JellyFish Plugin Authors Kit may be downloaded from the [PlanetSquires](#) web site. The Plugin Authors Kit consists of the following component files.

JFPLUGINS_TEMPLATE.BAS

The minimum PowerBASIC source code necessary to create a working JellyFish Pro plugin.

JFPLUGINS_INCLUDE.INC

Contains the constants, structures and messages necessary to interface your plugin with JellyFish Pro.

JFPLUGINS_PROCEDURES.INC

This optional include file contains various functions and subroutines to assist JellyFish Pro plugin authors with common tasks.

JFPLUGINS_TEMPLATE_SDK.BAS

The suggested source code for creating a plugin that contains a SDK style window or dialog.

JFPLUGINS_TEMPLATE_DDT.BAS

The suggested source code for creating a plugin that contains a DDT style window or dialog.

See Also

[JellyFish Pro Control Messages](#), [JellyFish Pro Control Commands](#), [JellyFish Pro Control Structures](#)
[JellyFish Pro Control Procedures](#)

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JellyFish Pro Control Commands

Commands are editing instructions the user invokes with the keyboard. Using the Properties dialog, the user can assign a keystroke to a specific command and add it to the current set of keyboard mappings.

Plugin authors may also invoke commands. To do so, your plugin sends the [JFM_EXECUTE_CMD](#) message to a JellyFish Pro edit window with the desired command (WPARAM) and a command-specific parameter (LPARAM). Most commands do not require a parameter. Some commands will optionally take an argument (e.g. [JFC_GOTOLINE](#)) to avoid prompting the user for input.

The following commands are used with JellyFish controls.

JFC_APPENDNEXTCUT

Adds the next cut text to end of the Clipboard.

Parameters

None

See Also

[JellyFish Pro Control Commands](#), [JFM_EXECUTE CMD](#)

JFC_BEGINUNDO

Starts an undo transaction. Must be paired with a [JFC_ENDUNDO](#) command. This command is used to wrap several commands together as a single undo transaction. This command may be nested with multiple JFC_BEGINUNDO / JFC_ENDUNDO command pairs.

Parameters

None

See Also

[JellyFish Pro Control Commands](#), [JFM_EXECUTE CMD](#)

JFC_BOOKMARKCLEARALL

Clears all bookmarks in the edit window.

Parameters

None

See Also

[JellyFish Pro Control Commands](#), [JFM_EXECUTE CMD](#)

JFC_BOOKMARKJUMPTOFIRST

Moves to the first line containing a bookmark.

Parameters

None

See Also

[JellyFish Pro Control Commands, JFM_EXECUTE CMD](#)

JFC_BOOKMARKJUMPTOLAST

Moves to the last line containing a bookmark.

Parameters

None

See Also

[JellyFish Pro Control Commands, JFM_EXECUTE CMD](#)

JFC_BOOKMARKNEXT

Moves to the line containing the next bookmark.

Parameters

None

See Also

[JellyFish Pro Control Commands, JFM_EXECUTE CMD](#)

JFC_BOOKMARKPREV

Moves to the line containing the previous bookmark.

Parameters

None

See Also

[JellyFish Pro Control Commands, JFM_EXECUTE CMD](#)

JFC_BOOKMARKTOGGLE

Toggles a bookmark for the current line on and off.

Parameters

None

See Also

[JellyFish Pro Control Commands, JFM_EXECUTE CMD](#)

JFC_CHARLEFT

Moves the cursor one character to the left.

Parameters

None

See Also

[JellyFish Pro Control Commands, JFM_EXECUTE CMD](#)

JFC_CHARLEFTTEXTEND

Extends the selection one character to the left.

Parameters

None

See Also

[JellyFish Pro Control Commands, JFM_EXECUTE CMD](#)

JFC_CHARRIGHT

Moves the cursor one character to the right.

Parameters

None

See Also

[JellyFish Pro Control Commands, JFM_EXECUTE CMD](#)

JFC_CHARRIGHTTEXTEND

Extends the selection one character to the right.

Parameters

None

See Also

[JellyFish Pro Control Commands](#), [JFM_EXECUTE CMD](#)

JFC_CHARTRANPOSE

Swap characters around the insertion point.

Parameters

None

See Also

[JellyFish Pro Control Commands](#), [JFM_EXECUTE CMD](#)

JFC_CLEARSELECTION

Empties the selection.

Parameters

None

See Also

[JellyFish Pro Control Commands](#), [JFP_EXECUTE CMD](#)

JFC_COPY

Copies the selection to the clipboard.

Parameters

None

See Also

[JellyFish Pro Control Commands](#), [JFM_EXECUTE CMD](#)

JFC_CUT

Cuts the selection and puts it on the clipboard. Behaves exactly the same as the [JFC_CUTSELECTION](#) command.

Parameters

None

See Also

[JellyFish Pro Control Commands](#), [JFM_EXECUTE CMD](#)

JFC_CUTSELECTION

Cuts the selection and puts it on the clipboard. Behaves exactly the same as the [JFC_CUT](#) command.

Parameters

None

See Also

[JellyFish Pro Control Commands](#), [JFM_EXECUTE CMD](#)

JFC_DELETE

Deletes the current selection, if any.

Parameters

None

See Also

[JellyFish Pro Control Commands](#), [JFM_EXECUTE CMD](#)

JFC_DELETEBACK

Deletes the current selection or, if there is no selection, the character to the left of the cursor.

Parameters

None

See Also

[JellyFish Pro Control Commands, JFM_EXECUTE CMD](#)

JFC_DELETEBLANKLINES

Deletes the blank lines adjacent to the cursor.

Parameters

None

See Also

[JellyFish Pro Control Commands, JFM_EXECUTE CMD](#)

JFC_DELETEHORIZONTALSPACE

Deletes the spaces and tabs around the cursor.

Parameters

None

See Also

[JellyFish Pro Control Commands, JFM_EXECUTE CMD](#)

JFC_DOCUMENTEND

Moves to the end of the file.

Parameters

None

See Also

[JellyFish Pro Control Commands, JFM_EXECUTE CMD](#)

JFC_DOCUMENTEXTEND

Extends the selection to the end of the file.

Parameters

None

See Also

[JellyFish Pro Control Commands](#), [JFM_EXECUTE CMD](#)

JFC_DOCUMENTSTART

Moves to the beginning of the file.

Parameters

None

See Also

[JellyFish Pro Control Commands](#), [JFM_EXECUTE CMD](#)

JFC_DOCUMENTSTARTTEXTEND

Extends the selection to the beginning of the file.

Parameters

None

See Also

[JellyFish Pro Control Commands](#), [JFM_EXECUTE CMD](#)

JFC_END

Moves to the end of the current line, bottom of the text window, or end of the file.

Parameters

None

See Also

[JellyFish Pro Control Commands, JFM_EXECUTE CMD](#)

JFC_ENDUNDO

Ends an undo transaction previously started with [JFC_BEGINUNDO](#). This command is best used to wrap several commands together as a single undo transaction.

Parameters

None

See Also

[JellyFish Pro Control Commands, JFM_EXECUTE CMD](#)

JFC_FIND

Finds the specified text.

Parameters

None

See Also

[JellyFish Pro Control Commands, JFM_EXECUTE CMD](#)

JFC_FINDMARKALL

Finds the specified text and sets a bookmark at the found locations.

Parameters

None

See Also

[JellyFish Pro Control Commands, JFM_EXECUTE CMD](#)

JFC_FINDNEXT

Finds the next occurrence of the specified text.

Parameters

None

See Also

[JellyFish Pro Control Commands, JFM_EXECUTE CMD](#)

JFC_FINDNEXTWORD

Finds the next occurrence of the selected text.

Parameters

None

See Also

[JellyFish Pro Control Commands, JFM_EXECUTE CMD](#)

JFC_FINDPREV

Finds the previous occurrence of the specified text.

Parameters

None

See Also

[JellyFish Pro Control Commands, JFM_EXECUTE CMD](#)

JFC_FINDPREVWORD

Finds the previous occurrence of the selected text.

Parameters

None

See Also

[JellyFish Pro Control Commands, JFM_EXECUTE CMD](#)

JFC_FINDREPLACE

Displays the find & replace dialog box.

Parameters

None

See Also

[JellyFish Pro Control Commands](#), [JFM_EXECUTE CMD](#)

JFC_GOTOINDENTATION

Moves to the end of the indentation.

Parameters

None

See Also

[JellyFish Pro Control Commands](#), [JFM_EXECUTE CMD](#)

JFC_GOTOLINE

Moves to a user-specified line.

Parameters

(long) The zero-based line number to jump to. If -1, the user is prompted.

See Also

[JellyFish Pro Control Commands](#), [JFM_EXECUTE CMD](#)

JFC_HOME

Moves to either the start of the current line or the start of the text on that line.

Parameters

None

See Also

[JellyFish Pro Control Commands, JFM_EXECUTE CMD](#)

JFC_HOMEEXTEND

Extends the selection to either the start of the current line or the start of the text on that line.

Parameters

None

See Also

[JellyFish Pro Control Commands, JFC_EXECUTE CMD](#)

JFC_INDENTSELECTION

Indents the selected text right one tab stop.

Parameters

None

See Also

[JellyFish Pro Control Commands, JFM_EXECUTE CMD](#)

JFC_INDENTTOPREV

Indents to the position of the next text on the previous line.

Parameters

None

See Also

[JellyFish Pro Control Commands, JFM_EXECUTE CMD](#)

JFC_INSERTCHAR

Inserts a character at the current location.

Parameters

(string) The character to insert.

See Also

[JellyFish Pro Control Commands, JFM_EXECUTE CMD](#)

JFC_LINECUT

Deletes the selected lines and places the text on the clipboard.

Parameters

None

See Also

[JellyFish Pro Control Commands, JFP_EXECUTE CMD](#)

JFC_LINEDELETE

Deletes the selected line.

Parameters

None

See Also

[JellyFish Pro Control Commands, JFM_EXECUTE CMD](#)

JFC_LINEDELETETOEND

Deletes to the end of the current line.

Parameters

None

See Also

[JellyFish Pro Control Commands, JFM_EXECUTE CMD](#)

JFC_LINEDELETETOSTART

Deletes to the beginning of the current line.

Parameters

None

See Also

[JellyFish Pro Control Commands](#), [JFM_EXECUTE CMD](#)

JFC_LINEDOWN

Moves the cursor down one line.

Parameters

None

See Also

[JellyFish Pro Control Commands](#), [JFM_EXECUTE CMD](#)

JFC_LINEDOWNEXTEND

Extends the selection down one line.

Parameters

None

See Also

[JellyFish Pro Control Commands](#), [JFM_EXECUTE CMD](#)

JFC_LINEEND

Moves the cursor to the end of the current line.

Parameters

None

See Also

[JellyFish Pro Control Commands, JFM_EXECUTE CMD](#)

JFC_LINEENDEXTEND

Extends the selection to the end of the current line.

Parameters

None

See Also

[JellyFish Pro Control Commands, JFM_EXECUTE CMD](#)

JFC_LINEOPENABOVE

Opens a new line above the cursor.

Parameters

None

See Also

[JellyFish Pro Control Commands, JFM_EXECUTE CMD](#)

JFC_LINEOPENBELOW

Opens a new line below the cursor.

Parameters

None

See Also

[JellyFish Pro Control Commands, JFM_EXECUTE CMD](#)

JFC_LINESTART

Moves to the start of the current line.

Parameters

None

See Also

[JellyFish Pro Control Commands, JFM_EXECUTE CMD](#)

JFC_LINETRANSPOSE

Swaps current and previous lines.

Parameters

None

See Also

[JellyFish Pro Control Commands, JFM_EXECUTE CMD](#)

JFC_LINEUP

Moves the cursor up one line.

Parameters

None

See Also

[JellyFish Pro Control Commands, JFM_EXECUTE CMD](#)

JFC_LINEUPEXTEND

Extends the selection up one line.

Parameters

None

See Also

[JellyFish Pro Control Commands, JFM_EXECUTE CMD](#)

JFC_LOWERCASESELECTION

Makes the selection all lowercase.

Parameters

None

See Also

[JellyFish Pro Control Commands](#), [JFM_EXECUTE CMD](#)

JFC_NEWLINE

Inserts a new-line character at the current location.

Parameters

None

See Also

[JellyFish Pro Control Commands](#), [JFM_EXECUTE CMD](#)

JFC_PAGEDOWN

Moves the cursor down one page.

Parameters

None

See Also

[JellyFish Pro Control Commands](#), [JFM_EXECUTE CMD](#)

JFC_PAGEDOWNEXTEND

Extends the selection down one page.

Parameters

None

See Also

[JellyFish Pro Control Commands, JFM_EXECUTE CMD](#)

JFC_PAGEUP

Moves the cursor up one page.

Parameters

None

See Also

[JellyFish Pro Control Commands, JFM_EXECUTE CMD](#)

JFC_PAGEUPEXTEND

Extends the selection up one page.

Parameters

None

See Also

[JellyFish Pro Control Commands, JFM_EXECUTE CMD](#)

JellyFish Pro Control Messages

JellyFish Pro messages are sent by a plugin to setup and manipulate a JellyFish Pro edit control. Messages are sent via the Windows API *SendMessage* function.

Plugin authors may use the following messages with JellyFish Pro controls:

JFM_ADDTEXT

A plugin sends JFM_ADDTEXT to a JellyFish Pro control to add the specified text to the end of the edit buffer.

```
JFM_ADDTEXT
    wParam = 0
    lParam = (LPCTSTR) pszText
```

Parameters

pszText

A pointer to the ASCIZ text to append to the end of the edit buffer. Must not be NULL.

Return Values

This message returns one of the following result codes:

- JFN_SUCCESS - The function completed successfully.
- JFN_FAILURE - The function failed.
- JFN_BADARGUMENT - A bad argument was passed to the function.

Remarks

If undo is enabled, the undo buffer is updated.

See Also

JellyFish Pro Control Messages, [JFM_INSERTTEXT](#), [JFM_SETTEXT](#), [JFM_REPLACETEXT](#), [JFM_REPLACESEL](#), [JFM_GETTEXT](#), [JFM_GETWORD](#), [JFM_GETLINE](#), [JFM_INSERTFILE](#)

JFM_BUFFERCOLTOVIEWCOL

A plugin sends the JFM_BUFFERCOLTOVIEWCOL message to a JellyFish Pro control to convert from a buffer column index to a view column index.

```
JFM_BUFFERCOLTOVIEWCOL
    wParam = (long) nLine
    lParam = (long) nBufferCol
```

Parameters

nLine

The zero-based index of the line containing the specified column.

nBufferCol

The zero-based index of the buffer column to convert to view coordinates.

Return Values

An long integer representing the zero-based view column index that corresponds to the specified buffer column index.

Remarks

A buffer column index represents the position of a column before tabs have been expanded into spaces. For example, if a tab character represents 4 spaces and a line begins with a tab character and then the letter 'a', the letter 'a' would be at view column position 4 and buffer column position 1 on that line.

See Also

[JellyFish Pro Control Messages, JFM_VIEWCOLTOBUFFERCOL](#)

JFM_CANCOPY

A plugin sends the JFM_CANCOPY message to determine if it is possible to copy the current edit selection to the clipboard.

```
JFM_CANCOPY
    wParam = 0
    lParam = 0
```

Return Values

TRUE if the current edit selection can be copied to the clipboard, otherwise FALSE.

Remarks

It is possible to copy from the edit control if and only if the current selection is not empty.

See Also

[JellyFish Pro Control Messages, JFM_COPY, JFM_CANCUT, JFM_CUT, JFM_CANPASTE, JFM_PASTE](#)

JFM_CANCUT

A plugin sends the JFM_CANCUT message to determine if it is possible to cut the current edit selection to the clipboard.

```
JFM_CANCUT
    wParam = 0
    lParam = 0
```

Return Values

TRUE if the current edit selection can be cut to the clipboard, otherwise FALSE.

Remarks

It is possible to cut from the edit control if and only if the current selection is not empty and the edit control is not in read-only mode.

See Also

JellyFish Pro Control Messages, [JFM_CUT](#), [JFM_CANCOPY](#), [JFM_COPY](#), [JFM_CANPASTE](#)

JFM_CANPASTE

A plugin sends the JFM_CANPASTE message to determine if it is possible to insert the clipboard contents into the edit buffer at the current edit selection.

```
JFM_CANPASTE  
    wParam = 0  
    lParam = 0
```

Return Values

TRUE if the clipboard contents can be inserted at the position of the current edit selection, otherwise FALSE.

Remarks

It is possible to paste into the edit buffer only if the edit control is not in read-only mode.

See Also

JellyFish Pro Control Messages, [JFM_PASTE](#), [JFM_CANCOPY](#), [JFM_COPY](#), [JFM_CANCUT](#), [JFM_CUT](#)

JFM_CANREDO

A plugin sends the JFM_CANREDO message to determine if it is possible to redo a previously undone action.

```
JFM_CANREDO  
    wParam = 0  
    lParam = 0
```

Return Values

The return value is TRUE if it is possible to redo a previously undone action, otherwise FALSE.

Remarks

It is possible to redo only if undo is enabled and there are one or more undone edit actions.

See Also

JellyFish Pro Control Messages, [JFM_REDO](#), [JFM_CANUNDO](#), [JFM_UNDO](#), [JFM_SETUNDOLIMIT](#), [JFM_GETUNDOLIMIT](#), [JFM_CLEARUNDOBUFFER](#)

JFM_CANUNDO

A plugin sends the JFM_CANUNDO message to determine if it is possible to undo the previous edit action.

```
JFM_CANUNDO
    wParam = 0
    lParam = 0
```

Return Values

Returns TRUE if the previous edit action can be undone, otherwise FALSE.

Remarks

It is possible to undo only if undo is enabled and there are one or more previous edit actions.

See Also

JellyFish Pro Control Messages, [JFM_REDO](#), [JFM_CANREDO](#), [JFM_UNDO](#), [JFM_SETUNDOLIMIT](#), [JFM_GETUNDOLIMIT](#), [JFM_CLEARUNDOBUFFER](#)

JFM_CLEARUNDOBUFFER

A plugin sends the JFM_CLEARUNDOBUFFER message to empty the undo buffer. This message combined with [JFM_SETUNDOLIMIT](#) can save memory by freeing the memory required to store the previous buffer state(s).

```
JFM_CLEARUNDOBUFFER
    wParam = 0
    lParam = 0
```

Return Values

This message returns one of the following result codes:

- JFN_SUCCESS - The function completed successfully.
- JFN_FAILURE - The function failed.

Remarks

The undo buffer can also be cleared by the [JFM_SAVEFILE](#) message.

See Also

[JellyFish Pro Control Messages](#), [JFM_REDO](#), [JFM_CANUNDO](#), [JFM_UNDO](#), [JFM_CANUNDO](#), [JFM_SETUNDOLIMIT](#), [JFM_GETUNDOLIMIT](#), [JFM_SAVEFILE](#)

JFM_COPY

A plugin sends the JFM_COPY message to copy the current selection to the clipboard.

```
JFM_COPY
    wParam = 0
    lParam = 0
```

Return Values

This message returns one of the following result codes:

- JFN_SUCCESS - The function completed successfully.
- JFN_FAILURE - The function failed.

Remarks

The clipboard format of the copied text is CF_TEXT, or CF_UNICODETEXT if using unicode.

See Also

[JellyFish Pro Control Messages](#), [JFM_CANCOPY](#), [JFM_CANCUT](#), [JFM_CUT](#), [JFM_CANPASTE](#), [JFM_PASTE](#)

JFM_CUT

A plugin sends the JFM_CUT message to copy the current selection to the clipboard and delete the current edit selection.

```
JFM_CUT
    wParam = 0
    lParam = 0
```

Return Values

This message returns one of the following result codes:

- JFN_SUCCESS - The function completed successfully.
- JFN_FAILURE - The function failed.

Remarks

The clipboard format of the copied text is CF_TEXT, or CF_UNICODETEXT if using the unicode version of the control. If undo is enabled, the undo buffer is updated.

See Also

JellyFish Pro Control Messages, JFM_CANCEL, JFM_CANCOPY, JFM_COPY, JFM_CANPASTE, JFM_PASTE

JFM_DELETELINE

A plugin sends JFM_DELETELINE to delete a line from the buffer.

```
JFM_DELETELINE
    wParam = (long) nLine
    lParam = 0
```

Parameters

nLine

The zero-based index of the line to delete.

Return Values

This message returns one of the following result codes:

- JFN_SUCCESS - The function completed successfully.
- JFN_FAILURE - The function failed.

Remarks

If undo is enabled, the undo buffer is updated.

See Also

JellyFish Pro Control Messages, JFM_INSERTLINE, JFM_GETLINECOUNT, JFM_GETLINE, JFM_GETLINELENGTH, JFM_SELECTLINE

JFM_DELETESEL

A plugin sends JFM_DELETESEL to delete the currently selected text from the buffer.

```
JFM_DELETESEL
    wParam = 0
    lParam = 0
```

Return Values

This message returns one of the following result codes:

- JFN_SUCCESS - The function completed successfully.
- JFN_FAILURE - The function failed.

Remarks

If undo is enabled, the undo buffer is updated.

See Also

[JellyFish Pro Control Messages](#), [JFM_GETSEL](#), [JFM_GETSELEFROMPOINT](#), [JFM_SETSEL](#), [JFM_REPLACESEL](#)

JFM_ENABLECRLF

A plugin sends JFM_ENABLECRLF to enable or disable the inclusion of carriage returns when multiple lines of text are retrieved from the edit buffer.

```
JFM_ENABLECRLF
    wParam = (long) bEnable
    lParam = 0
```

Parameters

bEnable

If TRUE, multiple lines of text retrieved from the edit buffer are delimited by a carriage return (CR) and a linefeed (LF). If FALSE, lines are delimited by only a linefeed (LF). The default setting is TRUE.

Return Values

This message returns one of the following result codes:

- JFN_SUCCESS - The function completed successfully.
- JFN_FAILURE - The function failed.

Remarks

This message only affects the text that is retrieved from the control. Text that is pasted, programmatically inserted, or entered by the user does not need to obey this setting. JellyFish Pro will handle CRLF, LF, or CRCRLF line delimiters. Text that is copied to the clipboard always has a CRLF pair, as required by the CF_TEXT and CF_UNICODETEXT clipboard formats.

If you plan to share text between a JellyFish Pro control and a standard edit control, this setting should be TRUE, because the standard edit control cannot properly display multiple lines of text delimited

only by a line feed (LF).

See Also

[JellyFish Pro Control Messages, JFM_ISCRLFENABLED](#)

JFM_ENABLEHIDSEL

A plugin sends JFM_ENABLEHIDSEL to enable or disable selection hiding when the control does not have the input focus.

```
CMM_ENABLEHIDSEL
    wParam = (long) bEnable
    lParam = 0
```

Parameters

bEnable

If TRUE, the current selection is unhighlighted when the control loses the input focus. If FALSE, the selection is always shown, even when control does not have the focus. The default setting is TRUE.

Return Values

This message returns one of the following result codes:

- JFN_SUCCESS - The function completed successfully.
- JFN_FAILURE - The function failed.

Remarks

This functionality is identical in behavior to the ES_NOHIDSEL style for a standard edit or richedit control.

See Also

[JellyFish Pro Control Messages, JFM_ISHIDSELENABLED](#)

JFM_ENABLEOVERTYPE

A plugin sends JFM_ENABLEOVERTYPE to enable or disable overtype mode. If overtype mode is enabled, keyboard input will overwrite the existing buffer contents at the current caret position.

```
JFM_ENABLEOVERTYPE
    wParam = (long) bEnable
    lParam = 0
```

Parameters

bEnable

If TRUE, overtype mode is on. If FALSE, overtype mode is off. The default setting is FALSE.

Return Values

This message returns one of the following result codes:

- JFN_SUCCESS - The function completed successfully.
- JFN_FAILURE - The function failed.

Remarks

Users can toggle this mode with the Insert key.

See Also

[JellyFish Pro Control Messages](#), [JFM_ISOVERTYPEENABLED](#), [JFC_TOGGLEOVERTYPE](#)

JFM_ENABLEOVERTYPECARET

A plugin sends JFM_ENABLEOVERTYPECARET to control the size of the text caret when in overtype mode.

```
JFM_ENABLEOVERTYPECARET
    wParam = (long) bEnable
    lParam = 0
```

Parameters

bEnable

If TRUE, when in overtype mode (typically via the Insert key), the caret is a large rectangle that completely covers the character that is about to be overwritten. If FALSE, the overtype caret is identical to the insert caret. The default setting is TRUE.

Return Values

This message returns one of the following result codes:

- JFN_SUCCESS - The function completed successfully.
- JFN_FAILURE - The function failed.

See Also

[JellyFish Pro Control Messages](#), [JFM_ISOVERTYPECARETENABLED](#), [JFM_ENABLEOVERTYPE](#), [JFM_ISOVERTYPEENABLED](#), [JFC_TOGGLEOVERTYPE](#)

JFM_ENABLESPITTER

A plugin sends JFM_ENABLESPITTER to enable or disable splitting of the window into separate views.

```
JFM_ENABLESPITTER
    wParam = (long) bHorizontal
    lParam = (long) bEnable
```

Parameters

bHorizontal

If TRUE, the horizontal splitter is affected. If FALSE, the vertical splitter is affected.

bEnable

If TRUE, a splitter bar becomes visible next to the appropriate scrollbar and the user can split the window horizontally (*bHorizontal* = TRUE) or vertically (*bHorizontal* = FALSE). If FALSE, the specified splitter bar is removed. The default setting is TRUE.

Return Values

This message returns one of the following result codes:

- JFN_SUCCESS - The function completed successfully.
- JFN_FAILURE - The function failed.

JFN_FAILURE is returned if the appropriate scrollbar is not visible. Splitters can only exist if the adjoining scrollbar also exists. To make a scrollbar visible, see [JFM_SHOWSCROLLBAR](#).

See Also

[JellyFish Pro Control Messages](#), [JFM_ISSPLITTERENABLED](#), [JFM_SHOWSCROLLBAR](#), [JFM_HASSCROLLBAR](#), [JFM_GETSPLITTERPOS](#), [JFM_SETSPLITTERPOS](#)

JFM_EXECUTE CMD

A plugin sends JFM_EXECUTE CMD to execute a JellyFish Pro command in the current edit view. Any command can be executed programmatically with JFM_EXECUTE CMD.

```
JFM_EXECUTE CMD
    wParam = (word) wCmd
    lParam = (dword) dwCmdData
```

Parameters

wCmd

The JellyFish Pro command to execute. The entire list of commands are listed in `jfpplugin_include.inc` and in the [JellyFish Pro Control Commands](#) topic.

dwCmdData

An optional, command-specific argument. Most commands take no arguments. Some commands, like [JFC_GOTOLINE](#), will optionally use the *dwCmdData* value instead of prompting the user for input. If 0, an appropriate default value will be used. For a complete description of each command and the allowable values for *dwCmdData*, refer to the [JellyFish Pro Control Commands](#) topic.

Return Values

This message returns one of the following result codes:

- JFN_SUCCESS - The function completed successfully.
- JFN_FAILURE - The function failed.
- JFN_BADARGUMENT - A bad argument was passed to the function.

Remarks

Commands executed programmatically, instead of by the user via keystrokes, are still treated as user-invoked and therefore are added to the undo buffer if undo is enabled.

See Also

[JellyFish Pro Control Messages](#), [JellyFish Pro Control Commands](#)

JFM_GETALLBOOKMARKS

A plugin sends JFM_GETALLBOOKMARKS to retrieve the current set of bookmarks for the entire edit buffer in a single step.

```
JFM_GETALLBOOKMARKS
    wParam = 0
    lParam = (LPARAM) (LPDWORD) pdwLines
```

Parameters

pdwLines

A pointer to a buffer to be filled with an array of DWORDS. Each DWORD corresponds to a line number that should contain a bookmark. If NULL, the return value can be used to determine the correct buffer size.

Return Values

An integer indicating the total number of bookmarks copied into *pdwLines*. If *pdwLines* was set to NULL, this value can be multiplied by `sizeof(DWORD)` to calculate the correct buffer size in bytes.

Remarks

To get or set bookmarks for individual lines, use the [JFM_GETBOOKMARK](#) or [JFM_SETBOOKMARK](#) message.

See Also

[JellyFish Pro Control Messages](#), [JFM_GETBOOKMARK](#), [JFM_SETBOOKMARK](#), [JFC_BOOKMARKCLEARALL](#), [JFC_BOOKMARKTOGGLE](#), [JFM_SETALLBOOKMARKS](#), [JFP_GETALLBOOKMARKS](#)

JFM_GETAUTOINDENTMODE

A plugin sends JFM_GETAUTOINDENTMODE to determine the current auto-indent mode. The auto-indent mode determines how a new line is indented when ENTER is pressed.

```
CMM_GETAUTOINDENTMODE
    wParam = 0
    lParam = 0
```

Return Values

A DWORD value indicating the current auto-indent mode:

- JFN_INDENT_OFF - No indentation occurs. The next line begins at column zero (0).
- JFN_INDENT_SCOPE - Language-specific scoping is used to determine the correct indentation level for the next line. This setting causes JellyFish Pro to parse the buffer contents, looking backward for scope keywords until the start of the current scope is encountered. Once found, the indentation is copied to the next line. If no language is set, JFN_INDENT_PREVLINE is used.
- JFN_INDENT_PREVLINE - Indentation is copied from the previous line.

The default setting is JFN_INDENT_PREVLINE.

See Also

[JellyFish Pro Control Messages](#)

JFM_GETBOOKMARK

A plugin sends JFM_GETBOOKMARK to determine if a line has a bookmark.

```
JFM_GETBOOKMARK
    wParam = (long) nLine
    lParam = 0
```

Parameters

nLine

The zero-based line to check for a bookmark.

Return Values

TRUE if a bookmark is present, or FALSE if a bookmark is not present.

Remarks

To get or set all bookmarks at once, use the [JFM_GETALLBOOKMARKS](#) or [JFM_SETALLBOOKMARKS](#) message.

See Also

[JellyFish Pro Control Messages](#), [JFM_SETBOOKMARK](#), [JFC_BOOKMARKTOGGLE](#), [JFM_GETALLBOOKMARKS](#), [JFM_SETALLBOOKMARKS](#), [JFC_BOOKMARKCLEARALL](#)

JFM_GETBORDERSTYLE

A plugin sends JFM_GETBORDERSTYLE to retrieve the current border style of the control.

```
JFM_GETBORDERSTYLE
    wParam = 0
    lParam = 0
```

Return Values

The current border style. Please see [JFM_SETBORDERSTYLE](#) for a list of possible values.

See Also

[JellyFish Pro Control Messages](#), [JFM_SETBORDERSTYLE](#)

JFM_GETCURRENTVIEW

A plugin sends JFM_GETCURRENTVIEW to determine the currently active view which is receiving input.

```
JFM_GETCURRENTVIEW
    wParam = 0
    lParam = 0
```

Return Values

The current zero-based view number (0 - 3). Because there are only two splitters, there is a maximum of four views. Views are assigned a sequential number left-to-right, then top-to-bottom. So, when there are four views, view 0 is top left, view 1 is top right, view 2 is bottom left, and view 3 is bottom right.

See Also

[JellyFish Pro Control Messages](#), [JFM_GETVISIBLELINECOUNT](#), [JFM_GETTOPINDEX](#)

JFM_GETDIVIDER

A plugin sends JFM_GETDIVIDER to determine if a specific line has a horizontal divider below it.

```
JFM_GETDIVIDER
    wParam = (long) nLine
    lParam = 0
```

Parameters

nLine

The zero-based index of the line potentially containing the divider line.

Return Values

TRUE if a thin divider line is drawn underneath the specified line of text from the far left to the far right of the buffer area, or FALSE if a divider line is not present.

Remarks

The color of the divider line can be retrieved with the [JFP_GETEDITOROPTIONS](#) message.

See Also

[JellyFish Pro Control Messages](#), [JF_COLORS](#), [JFM_SETDIVIDER](#)

JFM_GETFINDTEXT

A plugin sends JFM_GETFINDTEXT to retrieve the text used in the most current search operation.

```
JFM_GETFINDTEXT
    wParam = 0
    lParam = (LPTSTR) pszText
```

Parameters

pszText

A pointer to a buffer of JFN_MAX_FINDREPL_TEXT characters in length where the search text should be stored.

Return Values

This message returns one of the following result codes:

- JFN_SUCCESS - The function completed successfully.
- JFN_FAILURE - The function failed.
- JFN_BADARGUMENT - A bad argument was passed to the function.

See Also

JellyFish Pro Control Messages, [JFC_SETFINDTEXT](#), [JFM_SETFINDTEXT](#), [JFM_SETREPLACETEXT](#), [JFC_SETREPLACETEXT](#)

JFM_GETHIGHLIGHTEDLINE

A plugin sends JFM_GETHIGHLIGHTEDLINE to retrieve the index of the currently highlighted line.

```
JFM_GETHIGHLIGHTEDLINE
    wParam = 0
    lParam = 0
```

Return Values

The zero-based index of the line that is currently highlighted. If no line is highlighted, the return value is -1.

Remarks

Only one line may be highlighted at a time. The highlight color can be retrieved with the [JFP_GETEDITOROPTIONS](#) message.

See Also

JellyFish Pro Control Messages, [JFM_SETHIGHLIGHTEDLINE](#)

JFM_GETIMAGELIST

A plugin sends JFM_GETIMAGELIST to retrieve the current set of margin images displayed in the margin to the left of line text.

```
JFM_GETIMAGELIST
    wParam = 0
    lParam = 0
```

Return Values

The current image list handle, or NULL if no imagelist was previously established with [JFM_SETIMAGELIST](#).

See Also

JellyFish Pro Control Messages, [JFM_SETIMAGELIST](#), [JFM_SETMARGINIMAGES](#), [JFM_GETMARGINIMAGES](#)

JFM_GETITEMDATA

A plugin sends JFM_GETITEMDATA to retrieve per-line data previously stored with the [JFM_SETITEMDATA](#) message.

```
JFM_GETITEMDATA
    wParam = (long) nLine
    lParam = 0
```

Parameters

nLine

The zero-based line number from which to retrieve the data.

Return Values

The caller-specific data set with the [JFM_SETITEMDATA](#) message.

See Also

JellyFish Pro Control Messages, [JFM_SETITEMDATA](#), [JFM_SETMARGINIMAGES](#), [JFM_GETMARGINIMAGES](#)

JFM_GETLINE

A plugin sends JFM_GETLINE to retrieve the text on a specific line.

```
JFM_GETLINE
    wParam = (long) nLine
    lParam = (LPTSTR) pszBuff
```

Parameters

nLine

The zero-based line number of the line text to retrieve. *nLine* must be the index of a valid line number. The number of lines in the buffer can be determined with [JFM_GETLINECOUNT](#).

pszBuff

A pointer to an ASCIZ buffer that receives the line text. The necessary buffer size can be determined by first sending [JFM_GETLINELENGTH](#). *pszBuff* must not be NULL.

Return Values

This message returns one of the following result codes:

- JFN_SUCCESS - The function completed successfully.

- JFN_FAILURE - The function failed.
- JFN_BADARGUMENT - A bad argument was passed to the function.

See Also

JellyFish Pro Control Messages, JFM_GETLINECOUNT, JFM_GETLINELENGTH, JFM_GETTEXT

JFM_GETLINECOUNT

A plugin sends JFM_GETLINECOUNT to determine the total number of lines in the edit buffer.

```
JFM_GETLINECOUNT
    wParam = 0
    lParam = 0
```

Return Values

The total number of lines in the edit buffer.

See Also

JellyFish Pro Control Messages, JFM_GETLINE, JFM_GETLINELENGTH

JFM_GETLINELENGTH

A plugin sends JFM_GETLINELENGTH to determine the length of a specific line in the edit buffer.

```
JFM_GETLINELENGTH
    wParam = (long) nLine
    lParam = (long) bLogical
```

Parameters

nLine

The zero-based index of the line to retrieve the length of.

bLogical

TRUE to return the number of logical characters. FALSE to return the number of bytes (or double-bytes if Unicode).

Return Values

The length of the specified line.

Remarks

Be careful not to treat the return value as a count of bytes when using Unicode.

See Also

[JellyFish Pro Control Messages](#), [JFM_GETLINE](#), [JFM_GETLINECOUNT](#), [JFM_GETTEXTLENGTH](#), [JFM_GETWORDLENGTH](#)

JFM_GETMARGINIMAGES

A plugin sends JFM_GETMARGINIMAGES retrieve the margin images for a specific line.

```
JFM_GETMARGINIMAGES
    wParam = (long) nLine
    lParam = 0
```

Parameters

nLine

The zero-based line number to retrieve the margin images of.

Return Values

A bitfield specifying which images in the current imagelist are on. Bit 1 represents image 1, bit 2 represents image 2, etc. For example, if 0x9 (bit 1 and 3 set) is returned, custom images 1 and 3 are displayed on line *nLine*. If the return value is 0, no images are displayed.

See Also

[JellyFish Pro Control Messages](#), [JFM_SETMARGINIMAGES](#), [JFM_SETIMAGELIST](#), [JFM_GETIMAGELIST](#), [JFM_GETBOOKMARK](#), [JFM_SETBOOKMARK](#)

JFM_GETREPLACETEXT

A plugin sends JFM_GETREPLACETEXT to retrieve the text used in the most current search and replace operation.

```
JFM_GETREPLACETEXT
    wParam = 0
    lParam = (LPTSTR) pszText
```

Parameters

pszText

A pointer to a ASCIZ buffer of JFN_MAX_FINDREPL_TEXT characters in length where the replace text should be stored.

Return Values

This message returns one of the following result codes:

- JFN_SUCCESS - The function completed successfully.
- JFN_FAILURE - The function failed.
- JFN_BADARGUMENT - A bad argument was passed to the function.

See Also

[JellyFish Pro Control Messages](#), [JFC_SETFINDTEXT](#), [JFM_SETFINDTEXT](#), [JFC_SETREPLACETEXT](#), [JFM_SETREPLACETEXT](#)

JFM_GETSEL

A plugin sends JFM_GETSEL to retrieve the bounds of the current selection.

```
JFM_GETSEL
    wParam = (long) bNormalized
    lParam = (JF_RANGE *) pRange
```

Parameters

bNormalized

If TRUE, the returned selection is normalized such that the start position will be before the end position. If FALSE, the start position will reflect where the selection was started (i.e. the anchor), and the end position will reflect where the selection ends.

pRange

A pointer to a [JF_RANGE](#) structure to be filled upon return. Upon return, this structure will contain the bounds of the current selection. If the selection is empty, JF_RANGE.posStart will equal JF_RANGE.posEnd.

Return Values

This message returns one of the following result codes:

- JFN_SUCCESS - The function completed successfully.
- JFN_FAILURE - The function failed.
- JFN_BADARGUMENT - A bad argument was passed to the function.

See Also

[JellyFish Pro Control Messages](#), [JFM_SETSEL](#), [JFM_GETTEXT](#), [JFM_REPLACESEL](#), [JFM_DELETESEL](#)

JFM_GETSELFFROMPOINT

A plugin sends JFM_GETSELFFROMPOINT to determine the selection under a specific edit window (x,y) coordinate position.

```
JFM_GETSELFFROMPOINT
    wParam = MAKEWPARAM( xClient, yClient )
    lParam = (JF_POSITION *) pPos
```

Parameters

xClient

The horizontal client position to test, passed as the low word of the wParam parameter.

yClient

The vertical client position to test, passed as the high word of the wParam parameter.

pPos

A pointer to a [JF_POSITION](#) to be filled with coordinates representing the position under the specified coordinates. Be sure to check the return value for JFN_SUCCESS before using the values in *pPos*.

Return Values

This message returns one of the following result codes:

- JFN_SUCCESS - The function completed successfully.
- JFN_FAILURE - The function failed.
- JFN_BADARGUMENT - A bad argument was passed to the function.

JFN_FAILURE is returned if (*xClient*, *yClient*) is not over the buffer contents portion of the edit window. If JFN_SUCCESS is returned, the range returned is valid, but the start and end positions still may be outside of the buffer bounds (e.g. the buffer is empty, and the position under *xClient*, *yClient* is line 5, col 10).

Remarks

You can use this message with [JFM_GETWORD](#) and [JFM_GETWORDLENGTH](#) to retrieve the word at a specified location.

See Also

[JellyFish Pro Control Messages](#), [JFM_SETSEL](#), [JFM_GETSEL](#)

JFM_GETSPLITTERPOS

A plugin sends JFM_GETSPLITTERPOS to retrieve the current position of a specific splitter bar.

```
JFM_GETSPLITTERPOS
    wParam = (long) bHorizontal
    lParam = 0
```

Parameters

bHorizontal

If TRUE, the returned value is the position of the horizontal splitter. If FALSE, the returned value is the position of the vertical splitter.

Return Values

The current position of the specified splitter, expressed in terms of client coordinates. If the specified splitter is not enabled, -1 is returned.

Remarks

This message can be used to save and then restore a splitter position, but is not recommended for such use. Splitting a window into separate views is typically a temporary decision by the user and the split state is not meant to be persistent across editing sessions.

See Also

[JellyFish Pro Control Messages](#), [JFM_SETSPLITTERPOS](#)

JFM_GETTABSIZE

A plugin sends JFM_GETTABSIZE to retrieve the current size of a tab, expressed in terms of a number of characters.

```
JFM_GETTABSIZE
    wParam = 0
    lParam = 0
```

Return Values

The current tab size, expressed in terms of a number of characters. The default tab size is 4 characters.

See Also

[JellyFish Pro Control Messages](#)

JFM_GETTEXT

A plugin sends JFM_GETTEXT to retrieve text in a specific buffer range, or retrieve the entire buffer contents.

```
JFM_GETTEXT
    wParam = (WPARAM) (JF_RANGE *) pRange
    lParam = (LPARAM) (LPTSTR) pszText
```

Parameters

pRange

The buffer bounds of the text to retrieve. If NULL, the entire buffer contents are retrieved.

pszText

A pointer to a ASCIZ buffer of sufficient size to store the requested text. The size of the text can be retrieved with [JFM_GETTEXTLENGTH](#). Upon return, the buffer pointed to by *pszText* is filled with the requested text. If carriage returns are enabled ([JFM_ENABLECRLF](#)), multiple lines of text are delimited by CRLF pairs instead of a single LF.

Return Values

This message returns one of the following result codes:

- JFN_SUCCESS - The function completed successfully.
- JFN_FAILURE - The function failed.
- JFN_BADARGUMENT - A bad argument was passed to the function.

See Also

[JellyFish Pro Control Messages](#), [JFM_SETTEXT](#), [JFM_REPLACESEL](#), [JFM_GETSEL](#), [JFM_GETWORD](#), [JFM_GETLINE](#), [JFM_ENABLECRLF](#), [JFM_ISCRLFENABLED](#)

JFM_GETTEXTLENGTH

A plugin sends JFM_GETTEXTLENGTH to determine the length of a specific range of text in the edit buffer.

```
JFM_GETTEXTLENGTH
    wParam = (WPARAM) (JF_RANGE *) pRange
    lParam = (LPARAM) (long) bLogical
```

Parameters

pRange

The buffer bounds of the text to calculate the length of. If NULL, the length of the entire buffer

contents is calculated.

bLogical

TRUE to return the number of logical characters. FALSE to return the number of bytes (or double-bytes if Unicode).

Return Values

The length of the specified ASCIZ buffer range. If carriage returns are enabled ([JFM_ENABLECRLF](#)), then the return value accounts for CRLF line delimiters instead of a single LF. The NULL terminator is not included in this value; remember to add 1 to this value if allocating a buffer to store the text.

See Also

[JellyFish Pro Control Messages](#), [JFM_GETTEXT](#), [JFM_GETLINELENGTH](#), [JFM_GETWORDLENGTH](#)

JFM_GETTOPINDEX

A plugin sends JFM_GETTOPINDEX to retrieve the topmost visible line in a specific view.

```
JFM_GETTOPINDEX
    wParam = (long) nView
    lParam = 0
```

Parameters

nView

The desired view number.

Return Values

The zero-based line index of the topmost visible line.

See Also

[JellyFish Pro Control Messages](#), [JFM_SETTOPINDEX](#), [JFM_GETVISIBLELINECOUNT](#)

JFM_GETUNDOLIMIT

A plugin sends JFM_UNDOLIMIT to determine the maximum number of undoable edit actions.

```
JFM_GETUNDOLIMIT
    wParam = 0
    lParam = 0
```

Return Values

The maximum number of undoable edit actions. If -1, there is no undo limit. If 0, undo is disabled.

See Also

[JellyFish Pro Control Messages](#), [JFM_SETUNDOLIMIT](#), [JFM_UNDO](#), [JFM_REDO](#)

JFM_GETVIEWCOUNT

A plugin sends JFM_GETVIEWCOUNT to determine the number of views currently displayed.

```
JFM_GETVIEWCOUNT
    wParam = 0
    lParam = 0
```

Return Values

The total number of views currently displayed. This value will always be 1, 2, or 4. If 1, no windows are split. If 2, one of the two splitters divides the window (use [JFM_GETSPLITTERPOS](#) to determine which one). If 4, both splitters are dividing the window.

See Also

[JellyFish Pro Control Messages](#), [JFM_SETSPLITTERPOS](#), [JFM_GETSPLITTERPOS](#)

JFM_GETVISIBLELINECOUNT

A plugin sends JFM_GETVISIBLELINECOUNT to determine the number of lines visible in a specific view.

```
JFM_GETVISIBLELINECOUNT
    wParam = (long) nView
    lParam = (long) bFullyVisible
```

Parameters

nView

The desired view number.

bFullyVisible

If TRUE, the bottommost visible line is counted only if it is fully visible. If FALSE, the bottommost line is always counted.

Return Values

The number of visible lines in the specified view.

See Also

JellyFish Pro Control Messages, [JFM_GETTOPINDEX](#)

JFM_GETWORD

A plugin sends JFM_GETWORD to retrieve the word at a specific position in the buffer.

```
JFM_GETWORD
    wParam = (JF_POSITION *) pPos
    lParam = (LPTSTR) pszBuff
```

Parameters

pPos

Pointer to a [JF_POSITION](#) structure that contains the buffer position of the word to be retrieved. If NULL, the current caret position is used.

pszBuff

A pointer to a ASCIZ buffer of sufficient size to store the word. The size of the word can be retrieved with [JFM_GETWORDLENGTH](#). Upon return, the buffer pointed to by *pszBuff* is filled with the requested text. If there is no word at the current location, the buffer is cleared.

Return Values

This message returns one of the following result codes:

- JFN_SUCCESS - The function completed successfully.
- JFN_FAILURE - The function failed.
- JFN_BADARGUMENT - A bad argument was passed to the function.

Remarks

You can use this message with [JFM_GETWORDLENGTH](#) and [JFM_GETSELFFROMPOINT](#) to retrieve the word at a specified position.

See Also

JellyFish Pro Control Messages, [JFM_GETSEL](#), [JFM_GETTEXT](#), [JFM_GETLINE](#)

JFM_GETWORDLENGTH

A plugin sends JFM_GETWORDLENGTH to calculate the length of the word at a specific position in the buffer.

```
JFM_GETWORDLENGTH
    wParam = (JF_POSITION *) pPos
```

```
lParam = (long) bLogical
```

Parameters

pPos

Pointer to a [JF_POSITION](#) structure that contains the buffer position of the word to be retrieved. If NULL, the current caret position is used.

bLogical

TRUE to return the number of logical characters. FALSE to return the number of bytes (or double-bytes if Unicode).

Return Values

The word length. If there is no word at the current caret position, then 0 is returned.

Remarks

See Also

[JellyFish Pro Control Messages](#), [JFM_GETWORD](#), [JFM_GETSELFFROMPOINT](#)

JFM_HASSCROLLBAR

A plugin sends JFM_HASSCROLLBAR to determine if the horizontal or vertical scrollbar is visible.

```
JFM_HASSCROLLBAR  
_wParam = (long) bHorizontal  
_lParam = 0
```

Parameters

bHorizontal

If TRUE, the visibility state of the horizontal scrollbar is returned. If FALSE, the visibility state of the vertical scrollbar is returned.

Return Values

The return value is TRUE if the specified scrollbar is visible, or FALSE if the specified scrollbar is not visible.

Remarks

This message should be sent instead of checking the WS_VSCROLL and/or WS_HSCROLL bit with `GetWindowLong(GWL_STYLE)`.

See Also

[JellyFish Pro Control Messages](#), [JFM_SHOWSCROLLBAR](#)

JFM_HITTEST

A plugin sends JFM_HITTEST to determine which part of the JellyFish Pro window is under a specific client coordinate.

```
JFM_HITTEST
    wParam = MAKEWPARAM( xClient, yClient )
    lParam = 0
```

Parameters

xClient

The horizontal client position to test, passed as the low word of the wParam parameter.

yClient

The vertical client position to test, passed as the high word of the wParam parameter.

Return Values

The LOWORD contains the view number under (*xClient*, *yClient*), and the HIWORD contains one of the following values:

- JFN_NOWHERE -- Not over the edit control.
- JFN_HSPLITTER -- Over the horizontal splitter bar.
- JFN_VSPLITTER -- Over the vertical splitter bar.
- JFN_HVSPLITTER -- Over the intersection of the horizontal and vertical splitter bar.
- JFN_EDITSPACE -- Over the buffer contents (code).
- JFN_HSCROLLBAR -- Over the horizontal scrollbar.
- JFN_VSCROLLBAR -- Over the vertical scrollbar.
- JFN_SIZEBOX -- Over the sizebox visible when both scrollbars are visible.
- JFN_LEFTMARGIN -- Over the left margin area.

See Also

[JellyFish Pro Control Messages](#), [JFM_GETSELFROPOINT](#)

JFM_INSERTFILE

A plugin sends JFM_INSERTFILE to insert the contents of an ASCII file at a specific location in the edit buffer.

```
JFM_INSERTFILE
    wParam = (JF_POSITION *) pPos
```

```
lParam = (LPCTSTR) pszFileName
```

Parameters

pPos

The position in the edit buffer where to insert the specified file. If NULL, the file is inserted at the start of the buffer.

pszFileName

A pointer to the ASCIZ file name to insert at the specified buffer location.

Return Values

This message returns one of the following result codes:

- JFN_SUCCESS - The function completed successfully.
- JFN_FAILURE - The function failed.
- JFN_BADARGUMENT - A bad argument was passed to the function.

If JFN_FAILURE is returned, call GetLastError() to get more detailed information.

Remarks

If undo is enabled, the undo buffer is updated. The previously existing buffer contents are still intact.

See Also

JellyFish Pro Control Structures

The following structures are used with JellyFish Pro controls:

JF_COLORS

This structure contains information about the colors used to display text within a JellyFish Pro control.

```
type JF_COLORS
  long  crWindow
  long  crLeftMargin
  long  crBookmark
  long  crBookmarkBk
  long  crText
  long  crTextBk
  long  crNumber
  long  crNumberBk
  long  crKeyword
  long  crKeywordBk
  long  crOperator
  long  crOperatorBk
  long  crScopeKeyword
  long  crScopeKeywordBk
  long  crComment
  long  crCommentBk
  long  crString
  long  crStringBk
  long  crReserveda
  long  crReservedb
  long  crReservedc
  long  crReservedd
  long  crReservede
  long  crReservedf
  long  crReservedg
  long  crReservedh
  long  crLineNumber
  long  crLineNumberBk
  long  crHDividerLines
  long  crVDividerLines
  long  crHighlightedLine
end type
```

Members

crWindow

The RGB color of the window background. This value must be a solid color, or CLR_INVALID. If CLR_INVALID, the COLOR_WINDOW setting is used.

crLeftMargin

The RGB color of the left margin region. This value must be a solid color, or CLR_INVALID. If CLR_INVALID, the same color as *crWindow* is used.

crBookmark

The RGB color of the bookmark fill color. This value must be a solid color. This value must not be CLR_INVALID.

crBookmarkBk

The RGB color of the bookmark border. This value must be a solid color.

crText

The RGB foreground color of plain text. This value must not be CLR_INVALID.

crTextBk

The RGB background color of plain text. If CLR_INVALID, the background is transparent.

crNumber

The RGB foreground color of numbers. This value must not be CLR_INVALID.

crNumberBk

The RGB background color of numbers. If CLR_INVALID, the background is transparent.

crKeyword

The RGB foreground color of language keywords. This value must not be CLR_INVALID.

crKeywordBk

The RGB background color of language keywords. If CLR_INVALID, the background is transparent.

crOperator

The RGB foreground color of language operators. This value must not be CLR_INVALID.

crOperatorBk

The RGB background color of language operators. If CLR_INVALID, the background is transparent.

crScopeKeyword

The RGB foreground color of language keywords. This value must not be CLR_INVALID.

crScopeKeywordBk

The RGB background color of language keywords. If CLR_INVALID, the background is transparent.

crComment

The RGB foreground color of comments. This value must not be CLR_INVALID.

crCommentBk

The RGB background color of comments. If CLR_INVALID, the background is transparent.

crString

The RGB foreground color of strings. This value must not be CLR_INVALID.

crStringBk

The RGB background color of strings. If CLR_INVALID, the background is transparent.

crReserveda

Reserved must be 0.

crReservedb

Reserved must be 0.

crReservedc

Reserved must be 0.

crReservedd

Reserved must be 0.

crReservede

Reserved must be 0.

crReservedf

Reserved must be 0.

crReservedg

Reserved must be 0.

crReservedh

Reserved must be 0.

crLineNumber

The RGB foreground color of line numbers. This value must not be CLR_INVALID.

crLineNumberBk

The RGB background color of line numbers. If CLR_INVALID, the background is transparent.

crHDividerLines

The RGB color of horizontal divider lines in the editor. Horizontal divider lines are located below individual lines which have a divider ([JFM_SETDIVIDER](#)).

crVDividerLines

The RGB color of all vertical divider lines in the editor. Vertical divider lines are located between the left margin and line numbers, and between line numbers and the buffer contents.

crHighlightedLine

The RGB background color of the single highlighted line set via [JFM_SETHIGHLIGHTEDLINE](#).

See Also

[JellyFish Pro Control Structures](#), [JFP_GETEDITOROPTIONS](#), [JFP_SETEDITOROPTIONS](#)

JF_FONTSTYLES

Contains information about the fonts used to display text within a JellyFish Pro control.

```
type JF_FONTSTYLES
    BYTE byText
    BYTE byNumber
    BYTE byKeyword
    BYTE byOperator
    BYTE byScopeKeyword
    BYTE byComment
    BYTE byString
    BYTE byReserveda
    BYTE byReservedb
    BYTE byReservedc
    BYTE byReservedd
    BYTE byLineNumber
end type
```

Members

byText

Font style used for plain text.

byNumber

Font style used for numeric literals.

byKeyword

Font style used for keywords.

byOperator

Font style used for operators.

byScopeKeyword

Font style used for scope keywords.

byComment

Font style used for comments.

byString

Font style used for strings.

byReserveda

Reserved must be 0.

byReservedb

Reserved must be 0.

byReservedc

Reserved must be 0.

byReservedd

Reserved must be 0.
available.

byLineNumber

Font style used for line numbers.

Remarks

Each usable member of the JF_FONTSTYLES structure should be set to one of the following values:

- JFN_FONT_NORMAL - text is rendered in normal weight
- JFN_FONT_BOLD - text is rendered in bold
- JFN_FONT_ITALIC - text is rendered in italics
- JFN_FONT_BOLDITALIC - text is rendered in both bold and italics
- JFN_FONT_UNDERLINE - text is rendered undelined

See Also

[JellyFish Pro Control Structures JFP_GETEDITOROPTIONS](#) [JFP_SETEDITOROPTIONS](#)

JF_LINENUMBERING

This structure defines if and how lines are numbered in a JellyFish Pro edit control.

```
type JF_LINENUMBERING
    long    bEnabled
    long    nStartAt
    DWORD   dwStyle
end type
```

Members

bEnabled

TRUE if line numbering is enabled, FALSE if disabled.

nStartAt

The zero-based line number of the first line in the buffer. This value must not be negative.

dwStyle

The numbering system (radix) to use when displaying numbers. Must be one of the following values:

- JFN_BINARY - each digit is 0 or 1
- JFN_OCTAL - each digit is 0-7
- JFN_DECIMAL - each digit is 0-9
- JFN_HEXADECIMAL - each digit is 0-F

See Also

[JellyFish Pro Control Structures JFP_GETEDITOROPTOINS](#) [JFP_SETEDITOROPTIONS](#)

JF_POSITION

Contains information about a character position in a JellyFish Pro control.

```
type JF_POSITION
    long    nLine
    long    nCol
end type
```

Members

nLine

The zero-based line number of the position in the edit buffer.

nCol

The zero-based column number of the position in the edit buffer. Note that a column position on one line is not necessarily located at the same visible horizontal position of another line. This can be true when either of the lines contains a tab character.

See Also

[JellyFish Pro Control Structures](#)

JF_RANGE

Contains information about a selection range in a JellyFish Pro control.

```
type JF_RANGE
    JF_POSITION posStart
    JF_POSITION posEnd
    long        bColumnSel
end type
```

Members

posStart

A [JF_POSITION](#) structure that specifies where the edit buffer range begins.

posEnd

A [JF_POSITION](#) structure that specifies where the buffer range ends. If *posStart* is the same as *posEnd*, the range or selection is considered to be empty.

bColumnSel

TRUE if the range represents a column-style selection, or FALSE if the range represents a paragraph-style selection.

See Also

[JellyFish Pro Control Structures](#)

JF_EDITOROPTIONS

This structure contains information about the current state of various JellyFish Pro editor settings. It is used to both retrieve and set the described data.

```
type JF_EDITOROPTIONS
    ASCII * %JFN_MAX_LANGUAGE_NAME language
    JF_INITPOSITION initposition
```

```

JF_LINENUMBER plinenumbering
JF_COLORS pcolors
JF_FONTSTYLES pfonts
LONG normalizecase
LONG linetooltips
LONG colorsyntax
LONG wholeword
LONG autoindentmode
LONG smoothscrolling
LONG leftmargin
LONG columnssel
LONG dragdrop
LONG casesensitive
LONG preservecase
LONG tabexpand
LONG tabsize
LONG selbounds
LONG displaywhitespace
LONG showtoolbar
LONG showtabview
LONG showdebug
LONG showcodetips
JF_INITPOSITIONxrefinitposition
ASCIZ*%MAX_PATH recent(1 to 4)
ASCIZ*%MAX_PATH recentproject(1 to 4)
BYTE hotkeys(1 to 1400)
LOGFONT cmlogfont
LONG idemaximize
LONG defaultcompiler
ASCIZ*%MAX_PATH primaryfile
ASCIZ*%MAX_PATH pbdllcompiler
ASCIZ*%MAX_PATH pbdllinclude
ASCIZ*%MAX_PATH pbcccompiler
ASCIZ*%MAX_PATH pbccinclude
ASCIZ*%MAX_PATH pbres
ASCIZ*%MAX_PATH rccompiler
ASCIZ*%MAX_PATH rcinclude
ASCIZ*%MAX_PATH pbdoscompiler
ASCIZ*%MAX_PATH pbdosunit
ASCIZ*%MAX_PATH pbdossource
ASCIZ*%MAX_PATH pbdoslink
LONG loadallfunctions
LONG projectloadallfunctions
LONG autoclosefunctionlist
ASCIZ*%MAX_PATH customhelpdescribe1
ASCIZ*%MAX_PATH customhelpfile1
ASCIZ*%MAX_PATH customhelpdescribe2
ASCIZ*%MAX_PATH customhelpfile2
ASCIZ*%MAX_PATH customhelpdescribe3
ASCIZ*%MAX_PATH customhelpfile3
ASCIZ*%MAX_PATH customhelpdescribe4
ASCIZ*%MAX_PATH customhelpfile4
JF_InitPositionfunctioninitposition
LONG jfp
LONG bas
LONG inc3
LONG bi
LONG dlg
LONG h
LONG rc
LONG txt
ASCIZ*%MAX_PATH lastdirectory
LONG lastuseddate
LONG timeoutincrement
LONG nagtimeinterval

```



```

LONG win32syntax
ASCIZ*%MAX_PATH pbwincompiler
ASCIZ*%MAX_PATH pbwininclude
LONG print_color
LONG print_pagenums
LONG print_datetime
LONG print_border
LONG print_richfonts
ASCIZ*%MAX_PATH print_fontname
ASCIZ*%MAX_PATH print_fontsize
LONG autocreatepbr
LONG newcfgflag
LONG functionlistunsorted
LONG projectfunctionlistunsorted
LOGFONT print_logfont
LONG showcompilererrors
JF_INITPOSITION plugininitposition
LONG confirmexit
LONG showcompilererrors
LONG loadprior
LONG loadpriorflag
ASCIZ*%MAX_PATH loadpriorfile
LONG backupfiles
ASCIZ*%MAX_PATH recentprojectex(1 to 6)
LONG multipleinstances
end type

```

Members

language

Current PowerBASIC language definition being used e.g. PB/WIN (Mixed Case).

initposition

Initial position, size and state of the JellyFish Pro MDI frame window.

plinenumbering

The type of line numbering, if any, that is being used. See [JF_LINENUMBERING](#)

pcolors

The edit window and text colors as specified in View/Editor Options. See [JF_COLORS](#)

pfonts

The font styles specified in View/Editor Options. See [JF_FONTSTYLES](#)

normalizecase

True/false, fixup text while typing. Disabled during file loading.

linetooltips

True/false, Display line numbers as vertical scroll bar is moved.

colorsyntax

True/false, enable keyword syntax highlighting.

wholeword

True/false, search and replace based on whole word match.

autoindentmode

True/false, indenting based on scoping rules for the current PoweBASIC language.

smoothscrolling

True/false, enable smooth scrolling. Most noticeable in very large files.

leftmargin

True/false, display left margin in edit windows.

columnsel

True/false, enable column selection using Control key + mouse.

dragdrop

True/false, enable drag and drop editing of text.

casesensitive

True/false, Search and replace is case sensitive.

preservecases

True/false, Preserve case of text during search and replace.

tabexpand

True/false, Expand tab characters to spaces while typing.

tabsize

The number of spaces represented by a tab character. In the range of JFN_MIN_TABSIZE to JFN_MAX_TABSIZE.

selbounds

True/false, confine the caret to the length of the text.

displaywhitespace

True/false, enable graphical representation of white spaces in text.

showtoolbar

True/false, Display Jellyfish Pro toolbar.

showtabview

True/false, display JellyFish Pro tab control with open files.

showdebug

True/false, Display output produced by the PowerBASIC compiler.

showcodetips

True/false, Display code tips for PowerBASIC functions.

xrefinitposition

Initial size and position of code analyzer utility window.

recent(1 to 4)

Directory and file name of the most recently opened files.

recentproject(1 to 4)

Directory and file name of the most recently opened projects.

hotkeys(1 to 1400)

Internal hot keys used by JellyFish Pro. Do not modify.

cmlogfont

A Windows font structure representing the font used by current and new editing windows for text.

idemaximize

True/false, Jellyfish Pro edit windows should be maximized when created or opened.

defaultcompiler

The default PowerBASIC compiler.

0 = JFN_PBWIN, 1 = JFN_PBDLL, 2 = JFN_PBCC, 3 = JFN_PBDOS

primaryfile

The name of the file that will compile regardless of the current file.

pbdllcompiler

The full file specification to the PowerBASIC PBDLL compiler.

pbdllinclude

The include directory for the PowerBASIC PBDLL compiler.

pbcccompiler

The full file specification to the PowerBASIC PBCC compiler.

pbres

The include directory for the PowerBASIC PBCC compiler.

rccompiler

The full file specification to the resource script compiler.

rcinclude

The include directory for resource scripts.

pbdoscompiler

The full file specification to the PowerBASIC PBDOS compiler.

pbdosunit

The directory for PowerBASIC PBDOS unit files.

pbdossource

The directory for PowerBASIC PBDOS source code.

pbdoslink

The directory for PowerBASIC PBDOS link files.

loadallfunctions

True/false, populate the function lister with procedures from all open source files.

projectloadallfunctions

True/false, populate the function lister with procedures from all open project files.

autoclosefunctionlist

True/false, Automatically close the function lister when a procedure is selected.

projectautoclosefunctionlist

True/false, Automatically close the function lister when a project procedure is selected.

customhelfdescribe1

A user defined help file name.

customhelpfile1

The full file specification to the user defined help file.

customhelpdescribe2

A user defined help file name.

customhelpfile2

The full file specification to the user defined help file.

customhelpdescribe3

A user defined help file name.

customhelpfile3

The full files specification to the user defined help file.

customhelpdescribe4

A user defined help file name.

customhelpfile4

The full file specification to the user defined help file.

functioninitposition

Position and size of the function lister.

jfp

Associate JellyFish Pro with JFP project files.

bas

Associate JellyFish Pro with BAS source files.

inc

Associate JellyFish Pro with INC include files.

bi

Associate JellyFish Pro with BI include files.

dlg

Associate JellyFish Pro with DLG dialog script files.

h

Associate JellyFish Pro with H header files.

rc

Associate JellyFish Pro with RC resource script files.

txt

Associate JellyFish Pro with TXT text files.

lastdirectory

The last directory accessed. Only effective when a project is not loaded.

lastuseddate

The julian date JellyFish Pro was last used.

timeoutincrement

How long the nag screen is displayed.

nagtimeinterval

How long between displays of the nag screen.

win32syntax

True/false, enable syntax highlighting of Win32 keywords.

pbwincompiler

The full file specification to the PowerBASIC PBWIN compiler.

pbwininclude

The include directory for the PowerBASIC PBWIN compiler.

print_color

obsolete.

print_pagenums

obsolete.

print_datetime

obsolete.

print_border

obsolete.

print_richfonts

obsolete.

print_fontname
obsolete.

print_fontsize
obsolete.

autocreatepbr
True/false, automatically create the .PBR resource file after .RES is created.

newcfgflag
If 0, this is the first time running the new configuration.

functionlistunsorted
True/false, leave the function lister unsorted.

projectfunctionlistunsorted
True/false, leave the function lister unsorted during project.

print_logfont
A Windows font structure used by the printer to output text.

showcompilererrors
True/false, Always display compiler errors from log file.

plugininitposition
Position and size of the plugin selection dialog.

confirmexit
Displays a confirmation dialog upon attempting to exit the program.

showcompilererrors
Always display compiler errors.

loadprior
Reload previously used file/project upon start.

loadpriorflag
Internal use. Do not use.

loadpriorfile
Name of the file/project to load upon start.

backupfiles
Creates a backup file whenever the source file is saved.

recentprojectex
Most recently used projects (numbers 6 to 10 on the project menu).

multipleinstances

Allows multiple instances of the program.

See Also

[JellyFish Pro Control Structures](#)

JF_INITPOSITION

A JellyFish Pro structure used to retrieve and set the position, size and state of various subsidiary windows.

```
type JF_INITPOSITION
  long xpos
  long xsize
  long ypos
  long ysize
  long windowstate
end type
```

Members

xpos

The x position of the window.

xsize

The width of the window.

ypos

The y position of the window.

ysize

The height of the window.

windowstate

The show state of the window.

Remarks

This structure is used exclusively within the larger [JF_EDITOROPTIONS](#)

See Also

[JellyFish Pro Control Structures](#)

JF_PLUGIN

Contains basic information JellyFish Pro provides to a plugin author. The various window handles allow plugin authors to access virtually all the functionality offered by JellyFish Pro.

```
type JF_PLUGIN
    dword hinst
    dword hwndmain
    dword hed
    dword hwndclient
    dword hstatus
    dword htabcontrol
end type
```

Members

hinst

The instance handle to JellyFish Pro.

hwndmain

The handle to the main JellyFish Pro window.

hed

The handle of the active JellyFish Pro edit window when your plugin starts.

hwndclient

The handle of the MDI client window.

hstatus

The handle to the JellyFish Pro status window.

htabcontrol

The handle to the tab control holding all open JellyFish Pro files.

Remarks

This structure and its elements are globally available to plugin authors. The JellyFish Pro windows edit handle referenced by *hed* is the edit window active when the plugin is called and may be 0 if no file is open. Since plugin authors may programatically change the active edit window, this can not be guaranteed to reflect the current open edit window.

See Also

[JellyFish Pro Control Structures](#) [JellyFish Pro Control Procedures](#) [JFP_GETEDITHANDLE](#)

JellyFish Pro Control Procedures

JellyFish Pro procedures are available to plugin authors by including the file **jfplugins_procedures.inc** in their plugin source code. This file is one of the components of the JellyFish Pro Plugin Authors Kit available to registered users of JellyFish Pro at the [PlanetSquires](#) web site. These optional procedures consist of subroutines and functions which provide authors with methods for performing common plugin tasks.

JFP_ACTIVATETAB

Transfers JellyFish Pro's focus and display to one of the zero-based tabs representing currently open files.

```
FUNCTION JFP_ACTIVATETAB (  
    LONG tabnumber  
) AS LONG
```

Parameters

tabnumber

The zero-based file tab containing the desired file.

Return Values

This procedure returns one of the following result codes:

- JFN_SUCCESS - The function completed successfully.
- JFN_FAILURE - The function failed.

Remarks

The most likely causes of failure are no files open or requesting a tab value greater than the total number of open files - 1.

See Also

[JellyFish Pro Control Procedures JFP_GETTABCOUNT JFP_GETTABINFORMATION](#)

JFP_CLOSE

Closes the currently active JellyFish Pro edit window.

```
SUB JFP_GETEDITHANDLE ()
```

Parameters

none

See Also

[JellyFish Pro Control Procedures](#)

JFP_CLOSEALL

Closes all JellyFish Pro files.

```
SUB JFP_CLOSEALL()
```

Parameters

none

Remarks

See Also

[JellyFish Pro Control Procedures](#)

JFP_CLOSEPROJECT

Closes the currently open project.

```
SUB JFP_CLOSEPROJECT()
```

Parameters

none

Remarks

See Also

[JellyFish Pro Control Procedures](#)

JFP_COMPILEACTIVEFILE

Passes the active JellyFish Pro source file to the current PowerBASIC compiler.

```
FUNCTION JFP_COMPILEACTIVEFILE() AS LONG
```

Parameters

none

Return Values

Returns %JFN_FAILURE if compile failed.

See Also

[JellyFish Pro Control Procedures](#)

JFP_COMPILEPROJECT

Invokes the PowerBASIC compiler to compile the current project.

```
FUNCTION JFP_COMPILEPROJECT() AS LONG
```

Parameters

none

Return Values

If JFN_FAILURE, the compile was unsuccessful.

Remarks

If the Lynx Project Explorer is active, it is used rather than JellyFish Pro to compile the project.

See Also

[JellyFish Pro Control Procedures](#)

JFP_GETACTIVEFILESPEC

Returns the fully qualified path and name of the currently active JellyFish Pro edit file.

```
FUNCTION JFP_GETACTIVEFILESPEC() AS STRING
```

Parameters

none

Return Values

The path and file name of the current JellyFish Pro edit file or NULL If no file is open.

See Also

[JellyFish Pro Control Procedures](#)

JFP_GETALLBOOKMARKS

Obtains the line numbers of all bookmarked lines in the currently active JellyFish Pro edit file.

```
FUNCTION JFP_GETALLBOOKMARKS (  
    LONG bm()  
) AS LONG
```

Parameters

bm()

An array of long integers the function will redimension and fill with the line numbers of all bookmarked lines in the active edit file.

Return Values

Returns the total number of bookmarked lines or 0 if no lines contain a bookmark.

Remarks

See Also

[JellyFish Pro Control Procedures JFM_GETALLBOOKMARKS](#)

JFP_GETEDITHANDLE

Obtains the handle for the currently active JellyFish Pro edit window.

```
FUNCTION JFP_GETEDITHANDLE () AS DWORD
```

Parameters

none

Return Values

The handle to the current JellyFish Pro edit control or 0 if no edit window is open.

See Also

[JellyFish Pro Control Procedures](#)

JFP_GETEDITLINE

Returns a line of text from the active JellyFish Pro edit control.

```
FUNCTION JFP_GETEDITLINE (  
    long linenum  
) AS STRING
```

Parameters

linenum

The zero-based line number to retrieve from the active JellyFish Pro edit control.

Return Values

The referenced line of text or null.

See Also

[JellyFish Pro Control Procedures, JFM_GETLINE](#)

JFP_GETEDITOROPTIONS

Retrieves various JellyFish Pro user settings.

```
SUB JFP_GETEDITOROPTIONS(  
    JF_EDITOROPTIONS_TYPE EditorOptions  
)
```

Parameters

EditorOptions

A [JF_EDITOROPTIONS](#) structure to hold the returned values.

Remarks

The incoming JF_EditorOptions variable must have been declared by the Plugin prior to the call to this Sub. The variable address of the TYPE variable is sent to JellyFish Pro which fills the structure.

See Also

[JellyFish Pro Control Procedures, JFP_SETEDITOROPTIONS](#)

JFP_GETFILEPOSITION

Obtains the line and column position of the carat from the active JellyFish Pro edit file.

```
SUB JFP_GETFILEPOSITION(  
    LONG curline,  
    LONG curcol  
)
```

Parameters

curline

The zero-based line number of the edit carat.

curcol

The zero-based column number of the edit carat.

Return Values

The zero-based line and column of the editing carat in the active JellyFish Pro file.

Remarks

See Also

[JellyFish Pro Control Procedures](#)

JFP_GETMDIHANDLE

Obtains the MDI handle for the currently active JellyFish Pro edit window.

```
FUNCTION JFP_GETMDIHANDLE () AS DWORD
```

Parameters

none

Return Values

The handle to the MDI child window holding the current JellyFish Pro edit control or 0 if no edit window is open.

Remarks

This is the MDI child window not the JellyFish edit window.

See Also

[JellyFish Pro Control Procedures](#)

JFP_GETTABCOUNT

Returns the number of JellyFish Pro file tabs.

```
FUNCTION JFP_GETTABCOUNT () AS LONG
```

Parameters

none

Return Values

Returns the number of JellyFish Pro file tabs or 0 if no files are open.

Remarks

This is equivalent to the number of open files.

See Also

[JellyFish Pro Control Procedures JFP_GETTABINFORMATION JFP_ACTIVATETAB](#)

JFP_GETTABINFORMATION

Queries JellyFish Pro for information regarding a specific open edit file by tab number.

```
FUNCTION JFP_GETTABINFORMATION (  
    LONG tabnumber,  
    STRING fullfilename,  
    DWORD hwnmdichild,  
    DWORD hwnedit  
) AS LONG
```

Parameters

tabnumber

The zero-based tab number for which to obtain file and window information.

fullfilename

A dynamic string in which to return the complete name of the edit file associated with the specified tab number.

hwnmdichild

A double word variable in which to return the window handle to the MDI child owner of the edit window.

hwnedit

A double word variable in which to return the window handle to the JellyFish Pro edit window.

Results

This procedure returns one of the following result codes:

- JFN_SUCCESS - The function completed successfully.
- JFN_FAILURE - The function failed.

Remarks

If the routine is unsuccessful, the variables will be returned unchanged.

See Also

[JellyFish Pro Control Procedures JFP_GETTABCOUNT JFP_ACTIVATETAB](#)

JFP_ISLYNXACTIVE

Determines if Lynx Project Explorer is active.

```
FUNCTION JFP_ISLYNXACTIVE () AS LONG
```

Parameters

none

Return Values

Returns non-zero if Lynx is active or 0 if not found.

See Also

[JellyFish Pro Control Procedures](#)

JFP_NEWDOCUMENT

Creates and opens a new un-named document in JellyFish Pro.

```
SUB JFP_NEWDOCUMENT ()
```

Parameters

none

See Also

[JellyFish Pro Control Procedures](#)

JFP_NEWPROJECCT

Create a new JellyFish Pro project.

```
SUB JFP_NEWPROJECT ()
```

Parameters

none

Remarks

See Also

[JellyFish Pro Control Procedures](#)

JFP_OPENFILE

Opens and activates the file referenced by *mfilename*. The newly opened file is positioned to line *currentline*.

```
FUNCTION JFP_OPENFILE(  
    STRING mfilename,  
    LONG currentline  
) AS LONG
```

Parameters

mfilename

The fully qualified path and name to the file to be opened.

currentline

The line number to position the file in the JellyFish Pro edit window.

Return Values

Returns TRUE If the file was successfully loaded, FALSE if unsuccessful.

Remarks

If the requested file is already open, JellyFish Pro activates and displays the earlier opened file.

See Also

[JellyFish Pro Control Procedures](#)

JFP_SAVEALL

Saves all modified files open in JellyFish Pro.

```
SUB JFP_SAVEALL()
```

Parameters

none

Remarks

See Also

[JellyFish Pro Control Procedures](#)

JFP_SAVECURRENT

Save the currently active JellyFish Pro file.

```
SUB JFP_SAVECURRENT ()
```

Parameters

none

Remarks

See Also

[JellyFish Pro Control Procedures](#)

JFP_SAVEPROJECT

Save all modified files for the current PowerBASIC project.

```
SUB JFP_SAVEPROJECT ()
```

Parameters

none

Remarks

See Also

[JellyFish Pro Control Procedures](#)

JFP_SAVEPROJECTAS

Allows the user to save the current project under a different name.

```
SUB JFP_SAVEPROJECTAS ()
```

Parameters

none

Remarks

See Also

[JellyFish Pro Control Procedures](#)

JFP_SETEDITLINE

Replaces the text of the specified line in the active JellyFish Pro edit window.

```
FUNCTION JFP_SETEDITLINE (  
    LONG    linenum,  
    STRING  sline  
) AS LONG
```

Parameters

linenum

The zero-based line number to replace.

sline

The replacement text. May not exceed JFN_MAX_LINE_LENGTH.

Return Values

This procedure returns one of the following result codes:

- JFN_SUCCESS - The function completed successfully.
- JFN_FAILURE - The function failed.
- JFN_BADARGUMENT - A bad argument was passed to the function.

See Also

[JellyFish Pro Control Procedures](#)

JFP_SETEDITOROPTIONS

Modifies various JellyFish Pro user settings.

```
SUB JFP_SETEDITOROPTIONS (  
    JF_EDITOROPTIONS_TYPE EditorOptions  
)
```

Parameters

EditorOptions

A [JF_EDITOROPTIONS](#) structure to hold the user values.

Remarks

The JF_EditorOptions variable must have been declared by the Plugin prior to calling to this procedure. The address of the TYPE variable is sent to JellyFish Pro which uses the structure contents to modify editor settings.

See Also

[JellyFish Pro Control Procedures](#), [JFP_GETEDITOROPTIONS](#)

JFP_SHOWARRANGETABSDIALOG

Displays the JellyFish Pro dialog allowing the user to modify the order in which file tabs are displayed.

```
SUB JFP_SHOWARRANGETABSDIALOG ()
```

Parameters

none

Remarks

See Also

[JellyFish Pro Control Procedures](#)

JFP_SHOWCODEANALYZERDIALOG

Invokes the code analyzer utility to analyze the project and display unused variables, subs, functions, etc... Result are sent to disk in a file and also displayed in a listbox. The disk file is named the same as the main source file that was scanned except the word LOG is inserted immediately before the file extension (e.g. mysource.bas would be saved as mysourceLOG.bas).

```
SUB JFP_SHOWCODEANALYZERDIALOG ()
```

Parameters

none

Remarks

See Also

[JellyFish Pro Control Procedures](#)

JFP_SHOWCODETIPDIALOG

Displays the JellyFish Pro dialog for defining custom code tips.

```
SUB JFP_SHOWCODETIPDIALOG()
```

Parameters

none

Remarks

See Also

[JellyFish Pro Control Procedures](#)

JFP_SHOWCOMMANDLINEDIALOG

Displays the JellyFish Pro dialog allowing the user to enter a command line JellyFish Pro passes to compiled source code.

```
SUB JFP_SHOWCOMMANDLINEDIALOG()
```

Parameters

none

Remarks

See Also

[JellyFish Pro Control Procedures](#)

JFP_SHOWCOMPILERIALOG

Displays the JellyFish Pro dialog allowing the user to set the loactions for installed PowerBASIC comilers and components.

```
SUB JFP_SHOWCOMPILERDIALOG()
```

Parameters

none

Remarks

See Also

[JellyFish Pro Control Procedures](#)

JFP_SHOWCUSTOMHELPDIALOG

Displays the JellyFish Pro dialog for assigning custom help file access.

```
SUB JFP_SHOWCUSTOMHELPDIALOG ()
```

Parameters

none

Remarks

See Also

[JellyFish Pro Control Procedures](#)

JFP_SHOWEDITOROPTIONSDialog

Displays the JellyFish Pro editing settings for modification.

```
SUB JFP_SHOWEDITOROPTIONSDialog ()
```

Parameters

none

See Also

[JellyFish Pro Control Procedures](#)

JFP_SHOWENVIRONMENTOPTIONSDialog

Displays the JellyFish Pro environment options for modification.

```
SUB JFP_SHOWENVIRONMENTOPTIONSDialog ()
```

Parameters

none

See Also

[JellyFish Pro Control Procedures](#)

JFP_SHOWFILEASSOCIATIONSDIALOG

Displays the JellyFish Pro dialog allowing users to modify the source files types opened with JellyFish Pro.

```
SUB JFP_SHOWFILEASSOCIATIONSDIALOG ()
```

Parameters

none

Remarks

See Also

[JellyFish Pro Control Procedures](#)

JFP_SHOWOPENDIALOG

Displays JellyFish Pro's open file dialog.

```
SUB JFP_SHOWOPENDIALOG ()
```

Parameters

none

See Also

[JellyFish Pro Control Procedures](#)

JFP_SHOWOPENPROJECTDIALOG

Displays the JellyFish Pro dialog for setting or modifying project options.

```
SUB JFP_SHOWOPENPROJECTDIALOG ()
```

Parameters

none

Remarks

See Also

[JellyFish Pro Control Procedures](#)

JFP_SHOWPRIMARYFILEDIALOG

Displays the dialog allowing the user to set the source file JellyFish Pro passes to the PowerBASIC compiler regardless of which other file may be active.

```
SUB JFP_SHOWPRIMARYFILEDIALOG ()
```

Parameters

none

Remarks

See Also

[JellyFish Pro Control Procedures](#)

JFP_SHOWPRINTDIALOG

Displays the JellyFish Pro printing dialog.

```
SUB JFP_SHOWPRINTDIALOG ()
```

Parameters

none

See Also

[JellyFish Pro Control Procedures](#)

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