Help for MSStat

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Description

Status bar VBX for Visual Basic. This control displays a multi-element status bar on the bottom of your form. It automatically handles the NumLock, CapsLock, ScrollLock, and Insert key indicators. It also displays times/dates in International and programmer defined formats.

Remarks

The elements in the control are defined by the Item properties. The ItemCount property determines how many elements there are. This can be set at any time. The default is one (1).

File Name

MSSTAT1.VBX

Object Type

MabryStatus

Compatibility

VB 1.0 and up

Quick Start

- Add MSSTAT1.VBX to your project using File | Add File (Ctrl-D).
- Double click on the MSStat toolbar button to place a copy on your form.
- Set the Align property to Bottom to lock the MSStat control to the bottom of your form.
- Set the ItemCount property to the number of fields you want on your status bar.
- In your code (usually in the Form_Load procedure), set the ItemStyle, ItemLabel and ItemCaption properties to the desired values.

Distribution Note When you develop and distribute an application that uses MSStat, you should install the file MSSTAT1.VBX into the users Windows SYSTEM directory. MSStat has version information built into it. So, during installation, you should ensure that you are not overwriting a newer version of MSStat.

Close

MSStat Properties

Properties that have special meaning for this control or that only apply to this control are marked with an asterisk (*).

Align Property
BackColor Property
***BevelOuter** Property
***BevelWidth** Property
***Border** Property
***Caption** Property (default)
DataChanged Property
DataField Property
DataSource Property
***DefaultItem** Property
Enabled Property
FontBold Property
FontItalic Property
FontName Property
FontSize Property
FontStrike Property
FontUnder Property
ForeColor Property
Height Property
***HorzGap** Property
hWnd Property
Index Property
***ItemAutoSize** Property
***ItemBackColor** Property
***ItemBarColor** Property
***ItemBevelInner** Property
***ItemCaption** Property
***ItemCount** Property
***ItemDisabledColor** Property
***ItemEnabled** Property
***ItemForeColor** Property
***ItemLabel** Property
***ItemPercent** Property
***ItemStyle** Property
***ItemTextBackColor** Property
***ItemVisible** Property
***ItemWidth** Property
Left Property
Name Property

Parent Property
***StateCapsLock** Property
***StateInsert** Property
***StateNumLock** Property
***StateScrollLock** Property
Tag Property
Top Property
***VertGap** Property
Visible Property
Width Property

Close

MSStat Events

Click Event
DblClick Event
DragDrop Event
DragOver Event
***ItemClick** Event
***ItemDblClick** Event
MouseDown Event
MouseMove Event
MouseUp Event

BevelOuter Property

See Also Example

Description

Determines the 3-D style of the border (if any) surrounding the control.

Usage

[*form.*][*control.*]**BevelOuter**[= *integer*]

Remarks

The value of this property determines the style of the control's border. The bevels width is determines by BevelWidth. This property may be one of four values:

Value	Description
0	Normal frame
1	Raised frame (3-D)
2	Inset frame (3-D)
3	Lowered frame (3-D)
4	Single line (3-D)

Data Type

Integer (enumerated)

See Also

Properties:

- BevelWidth
- HorzGap
- ItemBevelInner
- VertGap

BevelWidth Property

See Also Example

Description

Determines the width of the inner and outer borders (bevels).

Usage

[*form.*][*control.*]**BevelWidth**[= *integer*]

Remarks

The value of this property determines the width of the inner border (if any, see ItemBevelInner) and the outer border (if any, see Border and BevelOuter). This is always measured in pixels.

Data Type

Integer

See Also

Properties:

- BevelOuter
- Border
- HorzGap
- ItemBevelInner
- VertGap

Border Property

See Also Example

Description

Determines whether or not there is a border around the control.

Usage

[*form.*][*control.*]**Border**[= *integer*]

Remarks

The value of this property determines whether or not the control has a border. This property may be one of two values:

Value	Description
0	No border
1	Single width border

Data Type

Integer (enumerated)

See Also

Properties:

BevelOuter

Caption Property

See Also Example

Description

Holds the caption of the default item.

Usage

[*form.*][*control.*]**Caption**[= *string*]

Remarks

This property, coupled with DefaultItem, points to an ItemCaption. Setting or getting this property is equivalent to doing the same with ItemCaption(DefaultItem).

In other words, this code:

```
MSStat1.DefaultItem = 5
MSStat1.Caption = "Open Help File"
```

is equivalent to:

```
MSStat1.ItemCaption(5) = "Open Help File"
```

This is the default property of the control. So, the following code is equivalent to the previous two examples:

```
MSStat1.DefaultItem = 5
MSStat1 = "Open Help File"
```

This property is very useful when binding MSStat to a data control. This is the propety that the data control sets. This can be quite useful for giving the user feedback when scanning through a database.

Data Type

String

See Also

Properties:

DefaultItem

ItemCaption

DefaultItem Property

See Also Example

Description

Holds the caption of the default item.

Usage

[*form.*][*control.*]**Caption**[= *string*]

Remarks

This property, coupled with Caption, points to an ItemCaption. This property determines which ItemCaption is referenced by Caption.

In other words, this code:

```
MSStat1.DefaultItem = 5
MSStat1.Caption = "Open Help File"
```

is equivalent to:

```
MSStat1.ItemCaption(5) = "Open Help File"
```

This is the default property of the control. So, the following code is equivalent to the previous two examples:

```
MSStat1.DefaultItem = 5
MSStat1 = "Open Help File"
```

Data Type

Integer

See Also

Properties:

Caption

ItemCaption

HorzGap and VertGap Properties

See Also Example

Description

Determines the horizontal and vertical distances between the inner border and the outer border.

Usage

[*form.*][*control.*]**HorzGap**[= *integer*]

[*form.*][*control.*]**VertGap**[= *integer*]

Remarks

The value of this property determines the distance between the outer border (if any, see Border and BevelOuter) and the inner border (if any, see ItemBevelInner). This is always measured in pixels.

Data Type

Integer

See Also

Properties:

- BevelOuter
- BevelWidth
- ItemBevelInner

ItemAlignment Property

See Also

Description

Sets the text alignment of an item

Usage

[*form.*][*control.*]**ItemAlignment(** *index* **)**[= *integer*]

Remarks

This property determines the text alignment of an item. The item specified by *index* (this must range from 0 to ItemCount - 1). This can be the following values:

Value	Description
0	Left
1	Right
2	Center

Data Type

Integer (enumerated)

See Also

Properties:

ItemCaption

ItemStyle

ItemAutoSize Property

See Also

Description

Determines if the item is automatically sized.

Usage

[*form.*][*control.*]**ItemAutoSize(** *index* **)**[= *boolean*]

Remarks

This property determines if the item is automatically sized when the text in it changes. The item specified by *index* (this must range from 0 to ItemCount - 1).

This property defaults to False. If this property is set to True, the ItemWidth property is ignored.

Data Type

Integer (boolean)

See Also

Properties:

- ItemCaption
- ItemStyle
- ItemWidth

ItemBackColor Property

See Also

Description

Sets the color of the background of an item.

Usage

[*form.*][*control.*]**ItemBackColor(** *index* **)**[= *color*]

Remarks

This property determines what color the background of an item. The item specified by *index* (this must range from 0 to ItemCount - 1).

Data Type

Color

See Also

Properties:

- ItemBarColor
- ItemDisabledColor
- ItemForeColor
- ItemStyle
- ItemTextBackColor

ItemBarColor Property

See Also

Description

Sets the color of the percentage bar of an item.

Usage

[*form.*][*control.*]**ItemBarColor(** *index* **)**[= *color*]

Remarks

This property determines the color of the percentage bar (if applicable). The item specified by *index* (this must range from 0 to ItemCount - 1).

Data Type

Color

See Also

Properties:

ItemBackColor
ItemDisabledColor
ItemForeColor
ItemStyle

ItemBevelInner Property

See Also Example

Description

Determines the 3-D style of the border immediately surrounding the item.

Usage

[*form.*][*control.*]**ItemBevelInner(** *index* **)**[= *integer*]

Remarks

The value of this property determines the style of the border around the item specified by *index* (this must range from 0 to ItemCount - 1). The bevels width is determines by BevelWidth. This property may be one of four values:

Value	Description
0	Normal frame
1	Raised frame (3-D)
2	Inset frame (3-D)
3	Lowered frame (3-D)

Data Type

Integer (enumerated)

See Also

Properties:

- BevelOuter
- BevelWidth
- HorzGap
- VertGap

ItemCaption Property

See Also

Description

Sets the text of an item.

Usage

[*form.*][*control.*]**ItemCaption(** *index* **)**[= *string*]

Remarks

This property holds the text of the item specified. For the time and date style (see ItemStyle) this is the formatting string to use. See the Format$ function for more information. The item specified by *index* (this must range from 0 to ItemCount - 1).

Data Type

String

See Also

Properties:

ItemBackColor
ItemDisabledColor
ItemForeColor
ItemLabel
ItemStyle

ItemClick Event

See Also Example

Description

Occurs when the user clicks in one of the items.

Syntax

Sub *ctlname*_**ItemClick (***ItemIndex* **As Integer)**

Remarks

This event only occurs If the Enabled property is set to True (default).

The argument *ItemIndex* holds the index for the item the user clicked in.

See Also

Event:

ItemDblClick

ItemCount Property

See Also

Description

Determines the number of frames (items) in the status bar.

Usage

[*form.*][*control.*]**ItemCount(** *index* **)**[= *integer*]

Remarks

This property determines the number of items that are in the status bar.

Data Type

Integer

See Also

Properties:

- ItemAlignment
- ItemAutoSize
- ItemBackColor
- ItemBarColor
- ItemBevelInner
- ItemCaption
- ItemDisabledColor
- ItemEnabled
- ItemForeColor
- ItemLabel
- ItemPercent
- ItemStyle
- ItemVisible
- ItemWidth

ItemDblClick Event

See Also Example

Description

Occurs when the user double clicks in one of the items.

Syntax

Sub *ctlname*_**ItemDblClick (***ItemIndex* **As Integer)**

Remarks

This event only occurs If the Enabled property is set to True (default).

The argument *ItemIndex* holds the index for the item the user double clicked in.

See Also

Event:

ItemClick

ItemDisabledColor Property

See Also

Description

Sets the color of the text of an item when disabled.

Usage

[*form.*][*control.*]**ItemDisabledColor(** *index* **)**[= *color*]

Remarks

This property determines the disabled text color of an item. The item specified by *index* (this must range from 0 to ItemCount - 1).

Data Type

Color

See Also

Properties:

- ItemBackColor
- ItemBarColor
- ItemForeColor
- ItemStyle

ItemEnabled Property

See Also

Description

Determines if an item is enabled.

Usage

[*form.*][*control.*]**ItemEnabled(** *index* **)**[= *boolean*]

Remarks

This property determines if an item is enabled. This only applies to text items. If this property is set to True, the text item is drawn using ItemForeColor. Otherwise, it is drawn using ItemDisabledColor.

The item specified by *index* (this must range from 0 to ItemCount - 1).

Data Type

Integer (boolean)

See Also

Properties:

- ItemDisabledColor
- ItemEnabled
- ItemForeColor
- ItemStyle

ItemForeColor Property

See Also

Description

Sets the color of the text of an item.

Usage

[*form.*][*control.*]**ItemForeColor(** *index* **)**[= *color*]

Remarks

This property determines the text color of an item. The item specified by *index* (this must range from 0 to ItemCount - 1).

Data Type

Color

See Also

Properties:

- ItemBackColor
- ItemBarColor
- ItemDisabledColor
- ItemStyle
- ItemTextBackColor

ItemLabel Property

See Also

Description

Sets the text that appears in the gap in front of an item.

Usage

[*form.*][*control.*]**ItemLabel(** *index* **)**[= *string*]

Remarks

This property holds the text that is shown in the gap that is in front of an item specified by *index* (this must range from 0 to ItemCount - 1).

Data Type

String

See Also

Properties:

- ItemBackColor
- ItemCaption
- ItemDisabledColor
- ItemForeColor
- ItemStyle

ItemPercent Property

See Also Example

Description

Sets the position of the percentage bar in an item.

Usage

[*form.*][*control.*]**ItemPercent(** *index* **)**[= *integer*]

Remarks

Sets the position of the percent bar and the value displayed in the center of an item. The item specified by *index* (this must range from 0 to ItemCount - 1).

This property can range from 0 to 100.

Data Type

Integer

See Also

Properties:

ItemBarColor

ItemStyle

ItemStyle Property

See Also

Description

Determines the display style of an item.

Usage

[*form.*][*control.*]**ItemStyle(** *index* **)**[= *integer*]

Remarks

The value of this property determines the style of an item specified by *index* (this must range from 0 to ItemCount - 1).

This property may be one of these values:

Value	Displays
0	Text (ItemCaption)
1	NumLock display (StateNumLock)
2	ScrollLock display (StateScrollLock)
3	CapsLock display (StateCapsLock)
4	Insert/Overwrite display (StateInsert)
5	Percent bar (ItemPercent)
6	Time/date display

Data Type

Integer (enumerated)

See Also

Properties:

- ItemAlignment
- ItemBackColor
- ItemBarColor
- ItemBevelInner
- ItemCaption
- ItemCount
- ItemDisabledColor
- ItemEnabled
- ItemForeColor
- ItemLabel
- ItemPercent
- ItemTextBackColor
- ItemVisible
- ItemWidth

ItemTextBackColor Property

See Also

Description

Sets the color of the text when it's in the background.

Usage

[*form.*][*control.*]**ItemTextBackColor(** *index* **)**[= *color*]

Remarks

This property determines what color the text is when it's on the right side of the percentage bar. The item specified by *index* (this must range from 0 to ItemCount - 1).

Data Type

Color

See Also

Properties:

- ItemBackColor
- ItemBarColor
- ItemDisabledColor
- ItemForeColor
- ItemStyle

ItemVisible Property

See Also

Description

Determines if an item is visible.

Usage

[*form.*][*control.*]**ItemVisible(** *index* **)**[= *boolean*]

Remarks

This property determines if an item is visible. If this property is set to False, the item specified is not shown on the status bar. The item specified by *index* (this must range from 0 to ItemCount - 1).

Data Type

Integer (boolean)

See Also

Properties:

ItemEnabled

ItemStyle

ItemWidth Property

See Also

Description

Holds the width (in twips) of the item.

Usage

[*form.*][*control.*]**ItemWidth(** *index* **)**[= *integer*]

Remarks

This property determines the width of an item. This only applies to text and percentage bar items. The item specified by *index* (this must range from 0 to ItemCount - 1).

If this property is set to zero, the size is selected automatically based on the current size of the control. Otherwise, this is the width of the item, in twips.

Data Type

Integer

See Also

Properties:

ItemAutoSize

ItemStyle

StateCapsLock Property

See Also

Description

Gets and sets the caps lock state.

Usage

[*form.*][*control.*]**StateCapsLock**[= *boolean*]

Remarks

This property allows you to get and set the state of the CapsLock key.

Data Type

Integer (boolean)

See Also

Properties:

- ItemStyle
- StateInsert
- StateNumLock
- StateScrollLock

StateInsert Property

See Also

Description

Gets and sets the insert/overwrite state.

Usage

[*form.*][*control.*]**StateInsert**[= *boolean*]

Remarks

This property allows you to get and set the state of the Insert key. Some controls do not recognize this state. It is up to the software to make sure that the current control behaves accordingly.

Data Type

Integer (boolean)

See Also

Properties:

- ItemStyle
- StateCapsLock
- StateNumLock
- StateScrollLock

StateNumLock Property

See Also

Description

Gets and sets the num lock state.

Usage

[*form.*][*control.*]**StateNumLock**[= *boolean*]

Remarks

This property allows you to get and set the state of the NumLock key.

Data Type

Integer (boolean)

See Also

Properties:

- ItemStyle
- StateCapsLock
- StateInsert
- StateScrollLock

StateScrollLock Property

See Also

Description

Gets and sets the scroll lock state.

Usage

[*form.*][*control.*]**StateScrollLock**[= *boolean*]

Remarks

This property allows you to get and set the state of the ScrollLock key.

Data Type

Integer (boolean)

See Also

Properties:

- ItemStyle
- StateCapsLock
- StateInsert
- StateNumLock

Close | Copy | Print

Bevel Example

In this example, the program will styles of the bevels used. To try this example, paste the code into the Declarations section of a form that contains a two horizontal scroll bars (one for one for ItemBevelInner and one for BevelOuter), two labels (which show the properties), and a MSStat control. Press F5. Play with the scroll bars to see things change.

```
Sub Form_Load ()
    Me.BackColor = RGB(192, 192, 192)

    HScroll1.Value = 0
    HScroll1.Min = 0
    HScroll1.Max = 3

    HScroll2.Value = 0
    HScroll2.Min = 0
    HScroll2.Max = 4

    MSStat1.ItemCount = 3

    Call HScroll1_Change
    Call HScroll2_Change
End Sub

Sub HScroll1_Change ()
    MSStat1.ItemBevelInner(0) = HScroll1.Value
    Label1.Caption = "ItemBevelInner(0):" & Format$(HScroll1.Value)
End Sub

Sub HScroll1_Scroll ()
    Call HScroll1_Change
End Sub

Sub HScroll2_Change ()
    MSStat1.BevelOuter = HScroll2.Value
    Label2.Caption = "BevelOuter:" & Format$( HScroll2.Value )
End Sub

Sub HScroll2_Scroll ()
    Call HScroll2_Change
End Sub
```

Close Copy Print

Caption and DefaultItem Properties Example

In this example, the program will show the results of setting these two properties. To try this example, paste the code into the Declarations section of a form that contains a button, two text boxes, and a MSStat control. Press F5. Enter text into the first text box, enter the item number into the second text box, then press the command button.

```
Sub Form_Load ()
    Me.BackColor = RGB(192, 192, 192)

    Command1.Caption = "Set Default ItemCaption"

    MSStat1.ItemCount = 3
End Sub

Sub Command1_Click ()
    MSStat1.DefaultItem = Val(Text2.Text)
    MSStat1.Caption = Text1.Text
End Sub
```

Close Copy Print

Border Property Example

In this example, the program will add and remove the border. To try this example, paste the code into the Declarations section of a form that contains a check box, a label, and a MSStat control. Press F5. Play with the check box to see things change.

```
Sub Form_Load ()
    Check1.Value = 0

    Call Check1_Change
End Sub

Sub Check1_Click ()
    MSStat1.Border = Check1.Value
    If Check1.Value <> 0 Then
        Label1.Caption = "Border"
    Else
        Label1.Caption = "No Border"
    End If
End Sub
```

Close Copy Print

ItemClick and ItemDblClick Events Example

In this example, the program will add and remove the border. To try this example, paste the code into the Declarations section of a form that contains a label and a MSStat control. Press F5. Click and double click on the items to see what happens.

```
Sub Form_Load ()
    MSStat1.ItemCount = 5
End Sub

Sub MSStat1_ItemClick( ItemIndex As Integer )
    Label1.Caption = "ItemClick: " & ItemIndex
End Sub

Sub MSStat1_ItemDblClick( ItemIndex As Integer )
    Label1.Caption = "ItemDblClick: " & ItemIndex
End Sub
```

Close Copy Print

ItemPercent Property Example

In this example, the program will show a percentage bar item going up and down. To try this example, paste the code into the Declarations section of a form that contains a scroll bar and a MSStat control. Press F5. Play with the scroll bar.

```
Sub Form_Load ()
    HScroll1.Value = 50
    HScroll1.Min = 0
    HScroll1.Max = 100

    MSStat1.ItemStyle(0) = 5 ' percentage bar

    Call HScroll1_Change
End Sub

Sub HScroll1_Change ()
    MSStat1.ItemPercent(0) = HScroll1.Value
    Label1.Caption = "ItemPercent(0):" & Format$(HScroll1.Value)
End Sub

Sub HScroll1_Scroll ()
    Call HScroll1_Change
End Sub
```

Close Copy Print

Width Properties Example

In this example, the program will vary the width of bevels. To try this example, paste the code into the Declarations section of a form that contains three horizontal scroll bars, three labels, and a MSStat control. Press F5. Play with the scroll bars to see things change.

```
Sub Form_Load ()
    HScroll1.Value = 1
    HScroll1.Min = 0
    HScroll1.Max = 10

    HScroll2.Value = 1
    HScroll2.Min = 0
    HScroll2.Max = 10

    HScroll3.Value = 1
    HScroll3.Min = 0
    HScroll3.Max = 10

    Call HScroll1_Change
    Call HScroll2_Change
    Call HScroll3_Change
End Sub

Sub HScroll1_Change ()
    MSStat1.BevelWidth = HScroll1.Value
    Label1.Caption = "BevelWidth:" & Format$( HScroll1.Value )
End Sub

Sub HScroll1_Scroll ()
    Call HScroll1_Change
End Sub

Sub HScroll2_Change ()
    MSStat1.HorzGap = HScroll2.Value
    Label2.Caption = "HorzGap:" & Format$( HScroll2.Value )
End Sub

Sub HScroll2_Scroll ()
    Call HScroll2_Change
End Sub

Sub HScroll3_Change ()
    MSStat1.VertGap = HScroll2.Value
    Label3.Caption = "VertGap:" & Format$( HScroll3.Value )
End Sub

Sub HScroll3_Scroll ()
    Call HScroll3_Change
End Sub
```

Registration Information

Credits

MSStat was written by James Shields. Inquiries can be sent to 71231,2066 on CompuServe, or mabry@halcyon.com on Internet. Our mailing address is:

Mabry Software
Post Office Box 31926
Seattle, WA 98103-1926

Registration

You can register this program by sending $20 ($25 for international orders) and your address. You can register MSStat **and** its C source code by sending $45 ($50 for international orders). With your order, you will receive a copy of our manual documenting all of our controls.

For your convenience, an order form has been provided that you can print out directly from this help file.

E-mail Discount

You may take a $5 discount for e-mail delivery of this package (CompuServe or Internet). If you choose this option, please note: a printed manual is not included. Be sure to include your full mailing address with your order. Sometimes (on the Internet) the package cannot be e-mailed. So, we are forced to send it through the normal mails.

CompuServe members may also take the $5 e-mail discount by registering this package in the software registration forum (GO SWREG). MSStats SWREG ID number is 4462. The source code version's ID number is 4463.

Credit Card Orders

We accept VISA and Mastercard. If you e-mail your order to us, please be sure to include your card number, expiration date, complete mailing address, and your phone number (in case we have any questions about your order).

MSStat Order Form

Use the Print Topic.. command from the File menu to print this order form.

Mail this form to:

Mabry Software
Post Office Box 31926
Seattle, WA 98103-1926

Phone: 206-634-1443
Fax: 206-632-0272
BBS: WinDev BBS 206-634-0783
CompuServe: 71231,2066
Internet: mabry@halcyon.com

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Getting Custom Controls Written

If you or your organization would like to have custom controls written, you can contact me at the following:

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Seattle, WA 98103-1926

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BBS: WinDev BBS 206-634-0783

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You can also contact Zane Thomas. He can be reached at:

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