

VioGetCurType

Bindings: C, MASM

This call returns the cursor type.

VioGetCurType (CursorData, VioHandle)

CursorData (**PVIOCURSORINFO**) - output Address of the cursor characteristics structure:

startline (**USHORT**) Horizontal scan line in the character cell that marks the top line of the cursor. If the character cell has n scan lines, 0 is the top scan line of the character cell and (n-1) is the bottom scan line.

endline (**USHORT**) Horizontal scan line in the character cell that marks the bottom line of the cursor. Scan lines within a character cell are numbered as defined in startline.

cursorwidth (**USHORT**) Width of the cursor. In text modes, *cursorwidth* is the number of columns. The maximum number supported by the OS/2 base video subsystem is 1. In graphics modes, *cursorwidth* is the number of pels.

cursorattrib (**USHORT**) A value of -1 denotes a hidden cursor, all other values in text mode denote normal cursor and in graphics mode denote color attribute.

VioHandle (HVIO) - input This must be zero unless the caller is a Presentation Manager application, in which case it must be the value returned by [VioGetPs](#).

rc (**USHORT**) - return Return code descriptions are:

| | |
|-----|--------------------------|
| 0 | NO_ERROR |
| 355 | ERROR_VIO_MODE |
| 436 | ERROR_VIO_INVALID_HANDLE |
| 465 | ERROR_VIO_DETACHED |

Remarks

If *CursorStartLine* and *CursorEndLine* were originally specified as percentages on [VioSetCurType](#) (using negative values), the positive values into which they were translated are returned. Refer to [VioSetCurType](#) for more information on how percentages can be used to set *CursorStartLine* and *CursorEndLine* independent of the number of scan lines per character cell.

Family API Considerations

In DOS mode, [VioGetCurType](#) returns only two values for *cursorattrib*: 0 = visible cursor, and -1 = hidden cursor.

C bindings

```
typedef struct _VIOCURSORINFO { /* vioci */
    USHORT    yStart;           /*cursor start line */
    USHORT    cEnd;             /* cursor end line */
};
```

```

USHORT    cx;                /* cursor width */
USHORT    attr;              /* -1=hidden cursor, any other=normal
                             cursor */
} VIOCURSORINFO;

#define INCL_VIO

USHORT    rc = VioGetCurType(CursorData, VioHandle);

PVIOCURSORINFO    CursorData;    /* Cursor characteristics */
HVIO              VioHandle;      /* Vio handle */

USHORT          rc;              /* return code */

```

MASM bindings

```

VIOCURSORINFO struc
    vioci_yStart dw ? ;cursor start line
    vioci_cEnd   dw ? ;cursor end line
    vioci_cx     dw ? ;cursor width
    vioci_attr   dw ? ; -1=hidden cursor, any other=normal cursor
VIOCURSORINFO ends

EXTRN VioGetCurType:FAR
INCL_VIO EQU 1

PUSH@ OTHER CursorData ;Cursor characteristics
PUSH WORD VioHandle ;Vio handle
CALL VioGetCurType

Returns WORD

```

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