This is part of **Family API** which allow to create dual-os version of program runs under OS/2 and DOS

Note: This is legacy API call. It is recommended to use 32-bit equivalent

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VioSetCurType

This call sets the cursor type.

Syntax

```
VioSetCurType (CursorData, VioHandle)
```

Parameters

- CursorData (PVIOCURSORINFO) - input : 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. The maximum value allowed is 31.
  - 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.

A value of 0 specifies the default width. In text modes, this is 1 column. In graphics modes, this is the number of pels equivalent to the width of one character.

- cursorattrib (USHORT) : A value of -1 denotes a hidden cursor, all other values denote a normal cursor.
- 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.

Return Code

rc (USHORT) - return

Return code descriptions are:

- 0 NO_ERROR
- 355 ERROR_VIO_MODE
- 356 ERROR_VIO_WIDTH
- 421 ERROR_VIO_INVALID_PARMS
- 436 ERROR_VIO_INVALID_HANDLE
- 465 ERROR_VIO_DETACHED

Remarks

Bindings

C Binding

```
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 = VioSetCurType(CursorData, VioHandle);

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

USHORT           rc;            /* return code */
```

MASM Binding

```
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  VioSetCurType:FAR
INCL_VIO            EQU 1

PUSH@  OTHER   CursorData    ;Cursor characteristics
PUSH   WORD    VioHandle     ;Video handle
CALL   VioSetCurType
```

```
Returns WORD
```

Note

Text based on http://www.edm2.com/index.php/VioSetCurType_(FAPI)

Family API		
DOS	Process Manager	DosBeep DosExit DosSleep DosExecPgm
	File Manager	DosChDir DosChgFilePtr DosClose DosDelete DosDupHandle DosMkDir DosMove DosQCurDir DosQCurDisk DosSetFileMode DosOpen DosQFileInfo DosRead DosQFileMode DosQFSInfo DosQVerify DosRmDir DosSelectDisk DosFindClose DosFindFirst DosFindNext DosSetFileInfo DosSetVerify DosWrite DosFileLocks DosSetFHandState DosNewSize DosBufReset DosQFHandState DosSetFSinfo DosShutdown
	Memory Manager	DosFreeSeg DosSubAlloc DosSubFree DosSubSet DosAllocHuge DosAllocSeg DosReallocHuge DosReallocSeg DosGetHugeShift DosCreateCSAlias
	NLS	DosCaseMap DosGetCtryInfo DosGetDBCSEv DosSetCtryCode DosGetCollate DosGetMessage DosInsMessage DosPutMessage
	Date and Time	DosSetDateTime DosGetDateTime
	Devices	DosDevConfig DosDevIOCtl DosDevIOCtl2
	Signals	DosHoldSignal DosSetSigHandler
	Misc	BadDynLink DosGetEnv DosGetMachineMode DosGetVersion DosError DosErrClass DosSetVec
KBD		KbdCharIn KbdFlushBuffer KbdGetStatus KbdSetStatus KbdStringIn KbdPeek
VIO		VioGetBuf VioGetConfig VioGetCurPos VioGetCurType VioGetPhysBuf VioReadCellStr VioReadCharStr VioScrollUp VioScrollDn VioScrollLf VioScrollRt VioScrUnLock VioSetCurPos VioSetCurType VioSetMode VioGetMode VioShowBuf VioWrtCellStr VioWrtCharStr VioWrtCharStrAtt VioWrtNAttr VioWrtNCell VioWrtNChar VioWrtTTY VioScrLock VioPopUp
Tools		BIND
Modules		DOSCALLS.DLL VIOCALLS.DLL KBDCALLS.DLL MSG.DLL
Libraries		API.LIB OS2386.LIB FAPI.LIB DOSCALLS.LIB SUBCALLS.LIB

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