



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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This call returns the video display configuration.

Syntax

VioGetConfig (ConfigID, ConfigData, VioHandle)

Parameters

;ConfigID (USHORT) - input: Identifies for which display configuration information is being requested:
::0 - Current configuration ::1 - Primary configuration ::2 - Secondary configuration :For OS/2 1.2, when ConfigID = 0, the current configuration is returned rather than the primary configuration (as was returned in OS/2 1.0 and 1.1). This change makes the OS/2 mode version of VioGetConfig match the family API version that has returned the current configuration starting with OS/2 1.0. OS/2 1.0 and 1.1 applications that issued VioGetConfig to determine the display configuration benefit from this change. The application can run on the configuration selected by the operator (by issuing the MODE command before invoking the application) rather than switching away from the operator selected display. ;ConfigData (PVIOCONFIGINFO) - output: Address of structure where the display configuration is returned. ;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 *421 ERROR_VIO_INVALID_PARMS *436 ERROR_VIO_INVALID_HANDLE *438 ERROR_VIO_INVALID_LENGTH *465 ERROR_VIO_DETACHED

Remarks

The values returned may not be correct if the adapter cannot be properly identified by the Base Video Handler (BVH) selected at system installation time. It can also be incorrect if the physical setup does not match that indicated by the presence of the adapter or by adapter switches. For example, it is impossible to detect the absence of a display on a CGA or the display attached to an EGA, despite the setup switches.

Bindings

C

```
<PRE> typedef struct _VIOCONFIGINFO { /* vioin */  
  
USHORT cb ; /* Length of this data structure */  
USHORT adapter; /* Display adapter type */  
USHORT display; /* Display/monitor type */  
ULONG cbMemory; /* Amount of memory on the adapter  
in bytes */  
  
USHORT Configuration;  
USHORT VDHVersion;  
USHORT Flags;  
ULONG HWBufferSize;  
ULONG FullSaveSize;  
ULONG PartSaveSize;  
USHORT EMAdaptersOFF; /* Offset to emulated adapter types */  
USHORT EMDisplaysOFF; /* Offset to emulated display types */  
  
} VIOCONFIGINFO;  
  
#define INCL_VIO  
  
USHORT rc = VioGetConfig(ConfigID, ConfigData, VioHandle);  
  
USHORT ConfigID; /* Configuration ID */ PVIOCONFIGINFO ConfigData; /* Configuration data */ HVIO  
VioHandle; /* Vio handle */  
  
USHORT rc; /* return code */ </PRE>
```

MASM

```
<PRE> VIOCONFIGINFO struc
```

```
vioin_cb dw ? ;Length of this data structure  
vioin_adapter dw ? ;Display adapter type  
vioin_display dw ? ;Display/monitor type  
vioin_cbMemory dd ? ;Amount of memory on the adapter in bytes  
vioin_Configuration dw ? ;  
vioin_VDHVersion dw ? ;  
vioin_Flags dw ? ;  
vioin_HWBufferSize dd ? ;  
vioin_FullSaveSize dd ? ;  
vioin_PartSaveSize dd ? ;  
vioin_EMAdaptersOFF dw ? ;Offset to emulated adapter types  
vioin_EMDisplaysOFF dw ? ;Offset to emulated display types
```

VIOCONFIGINFO ends

EXTRN VioGetConfig:FAR INCL_VIO EQU 1

PUSH WORD ConfigID ;Configuration ID PUSH@ OTHER ConfigData ;Configuration data PUSH WORD
VioHandle ;Vio handle CALL VioGetConfig

Returns WORD </PRE>

Family API		
DOS	Process Manager	DosBeep DosExit DosSleep DosExecPgm
	File Manager	DosChDir DosChgFilePtr DosClose DosDelete DosDupHandle DosMkDir DosMove DosQCurDir DosQCurDisk DosSet FileMode DosOpen DosQFileInfo DosRead DosQ FileMode DosQFSInfo DosQVerify DosRmDir DosSelectDisk DosFindClose DosFindFirst DosFindNext DosSet FileInfo DosSet Verify DosWrite DosFileLocks DosSet FHandState DosNewSize DosBufReset DosQFHandState DosSetFSinfo
	Memory Manager	DosFreeSeg DosSubAlloc DosSubFree DosSubSet DosAlloc Huge DosAlloc Seg DosRealloc Huge DosRealloc Seg DosGet Huge Shift DosCreate CS Alias
	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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