



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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VioGetConfig

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

```
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 */
--------	-----------------------

MASM

```
VIOCONFIGINFO struct
    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

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 DosSet FSInfo
	Memory Manager DosFreeSeg DosSubAlloc DosSubFree DosSubSet DosAlloc Huge DosAlloc Seg DosRealloc Huge DosRealloc Seg DosGet Huge Shift DosCreate CS Alias
	NLS DosCaseMap DosGet Ctry Info DosGet DBCSEv DosSet Ctry Code DosGet Collate DosGet Message DosIns Message DosPut Message
	Date and Time DosSet Date Time DosGet Date Time
	Devices DosDevConfig DosDev IOCtl DosDev IOCtl2
	Signals DosHold Signal DosSet Sig Handler
	Misc BadDynLink DosGet Env DosGet Machine Mode DosGet Version DosError DosErr Class DosSet Vec
KBD	KbdCharIn KbdFlush Buffer KbdGet Status KbdSet Status KbdStringIn KbdPeek

Family API

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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