



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

2021/09/17 04:47 · prokushev · [0 Comments](#)

2021/08/20 03:18 · prokushev · [0 Comments](#)

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 */ P_VIOCONFIGINFO 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 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 DosDevIOct1 DosDevIOct2
	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	

2018/08/25 15:05 · prokushev · 0 Comments

From: <http://www.osfree.su/doku/> - **osFree wiki**

Permanent link: <http://www.osfree.su/doku/doku.php?id=en:docs:fapi:viogetconfig&rev=1629449883>

Last update: **2021/08/20 08:58**

