



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](#)

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DosGetDBCSEv

This call obtains a DBCS (double byte character set) environmental vector that resides in the country information file.

Syntax

```
DosGetDBCSEv (Length, Country, MemoryBuffer)
```

Parameters

- Length (USHORT) - input : Length, in bytes, of the data area (MemoryBuffer). This value should be at least 10.
- Country (PCOUNTRYCODE) - input : Address of the country information structure:
 - countrycode (USHORT) Country code identifier. 0 is the default country code.
 - codepage (USHORT) Code page identifier. 0 is the code page of the current process.
- MemoryBuffer (PCHAR) - output : Address of the country dependent information for the DBCS environmental vector. This memory area is provided by the caller. The size of the area is provided by the input parameter Length. If it is too small to hold all the available information, then as much information as possible is provided in the available space.

The format of the information returned in this buffer is:

Word	Description
1	First range definition for DBCS lead byte values High byte Binary start value (inclusive) for range one Low byte Binary stop value (inclusive) for range one.
2	Second range definition High byte Binary start value for range two Low byte Binary stop value for range two
N	Nth range definition High byte Binary start value for Nth range Low byte Binary stop value for Nth range.
N + 1	Two bytes of binary 0 terminate list. For example: DB 81H,9FH DB E0H,FCH DB 00H,00H

Return

rc (USHORT) - return

Return code descriptions are:

- NO_ERROR
- 396 ERROR-NLS_NO_COUNTRY_FILE
- 397 ERROR-NLS_OPEN_FAILED
- 398 ERROR_NO_COUNTRY_OR_CODEPAGE
- 399 ERROR-NLS_TABLE_TRUNCATED

Remarks

The returned DBCS environmental vector may be for the default country and current process code page or for a specific country and code page. For more information on code page see DosSetCp.

Bindings

C Binding

```
typedef struct _COUNTRYCODE { /* ctryc */

    USHORT country;          /* country code */
    USHORT codepage;        /* code page */

} COUNTRYCODE;

#define INCL_DOSNLS

USHORT rc = DosGetDBCSEv(Length, Structure, MemoryBuffer);

USHORT      Length;        /* Length of data area provided */
PCOUNTRYCODE Structure;    /* Input data structure */
PCHAR       MemoryBuffer;  /* DBCS environmental vector (returned) */

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

MASM Binding

```
COUNTRYCODE struc
    ctryc_country dw ? ;country code
    ctryc_codepage dw ? ;code page
COUNTRYCODE ends

EXTRN DosGetDBCSEv:FAR
INCL_DOSNLS EQU 1

PUSH WORD Length ;Length of data area provided
PUSH@ OTHER Structure ;Input data structure
```

PUSH@ OTHER MemoryBuffer ;DBCS environmental vector (returned)
CALL DosGetDBCSEv

Returns **WORD**

Note

Text based on <http://www.edm2.com/index.php/DosGetDBCSEv>

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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