



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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## 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.

## C Binding

```
<PRE> 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 */ </PRE>
```

## MASM Binding

```
<PRE> 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 </PRE>
```

## Note

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

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

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