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

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
	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

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

From:
https://www.osfree.org/doku/ - **osFree wiki**

Permanent link:
https://www.osfree.org/doku/doku.php?id=en:docs:fapi:dosgetdbcsev

Last update: **2021/09/18 09:14**