 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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This call obtains a collating sequence table (for characters hex 00H through FFH) that resides in the country information file. It is used by the SORT utility to sort text according to the collating sequence.

Syntax

DosGetCollate (Length, Country, MemoryBuffer, DataLength)

Parameters

;Length (USHORT) - input: Length, in bytes, of the data area (MemoryBuffer). A length value of 256 is sufficient. ;Country (PCOUNTRYCODE) - input: Address of the country information structure ;MemoryBuffer (PCHAR) - output: Address of the collating table. 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 (in the order that the data would appear). If the amount of returned data does not fill the memory area provided by the caller, the unaltered memory is set at 0. :The buffer format for the returned information is: Byte Description

```
0    Sort weight of ASCII (0)
1    Sort weight of ASCII (1)
.
.
.
```

255 Sort weight of ASCII (255) ;DataLength (PUSHORT) - output : Address of the length, in bytes, of the collate table.

Returns

;rc (USHORT) - return:Return code descriptions are: *0 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 country-dependent information can be for the default country and current process code page or for a specific country and code page. For more information see DosSetCp.

Bindings

C

<PRE> typedef struct _COUNTRYCODE { /* ctryc */

USHORT country; /* country code */

```
USH0RT codepage;                /* code page */
```

} COUNTRYCODE;

#define INCL_DOSNLS

USHORT rc = DosGetCollate(Length, Structure, MemoryBuffer, DataLength);

USHORT Length; /* Length of data area provided */ PCOUNTRYCODE Structure; /* Input data structure */ PCHAR MemoryBuffer; /* Collate table (returned) */ PUSHORT DataLength; /* Length of collate table (returned) */

USHORT rc; /* return code */ </PRE>

MASM

<PRE> COUNTRYCODE struc

```
ctryc_country   dw  ? ;country code
ctryc_codepage  dw  ? ;code page
```

COUNTRYCODE ends

EXTRN DosGetCollate:FAR INCL_DOSNLS EQU 1

PUSH WORD Length ;Length of data area provided PUSH@ OTHER Structure ;Input data structure PUSH@ OTHER MemoryBuffer ;Collate table (returned) PUSH@ WORD DataLength ;Length of collate table (returned) CALL DosGetCollate

Returns WORD </PRE>

Example

This example gets a collating sequence table for codepage 850 and the current country. <PRE> #define INCL_DOSNLS #define CURRENT_COUNTRY 0 #define NLS_CODEPAGE 850

COUNTRYCODE Country; CHAR CollBuffer[256]; USHORT Length; USHORT rc;

Country.country = CURRENT_COUNTRY; Country.codepage = NLS_CODEPAGE;

rc = DosGetCollate(sizeof(CollBuffer), /* Length of data area provided */

```
                    &Country,           /* Input data structure */
                    CollBuffer,         /* Data area to contain collate table
*/
                    &Length);           /* Length of table */
```

</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 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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