



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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DosGetCtryInfo

This call obtains country-dependent formatting information that resides in the country information file.

Syntax

```
DosGetCtryInfo (Length, Country, MemoryBuffer, DataLength)
```

Parameters

- Length (USHORT) - input : Length, in bytes, of the data area (MemoryBuffer). This length should be at least 38 bytes.
- Country (PCOUNTRYCODE) - input : Address of the country information structure:
 - country (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 (PCOUNTRYINFO) - output : Address of the buffer where the country-dependent data is returned. The application must request enough space in memory, a minimum of 38 bytes, to hold the returned data. If the requested space is not large enough, the system fills the allocated space with as much data as it can hold. If the requested space is too large, the extra memory requested is set to 0.

The data is returned in the buffer in the following format:

- country (USHORT) - Country code identifier.
- codepage (USHORT) - Code page identifier.
- dateformat (USHORT) - Date format.

Value	Definition
0	mm/dd/yy
1	dd/mm/yy
2	yy/mm/dd

- currency (CHAR)
- Currency identifier, terminated with a null. thousandsep (CHAR)
- Thousands separator, terminated with a null. decimalsep (CHAR)
- Decimal separator, terminated with a null. datesep (CHAR)

- Date separator, terminated with a null. timesep (CHAR)
- Time separator, terminated with a null. currencyformat (UCHAR)

The currency bit fields in the following format:

Bit	Description
7-3	Reserved
2	0 = Bits 0 and 1 are used. 1 = Bits 0 and 1 are ignored; the currency indicator replaces the decimal indicator.
1	0 = No space between the currency indicator and money value. 1 = One space between the currency indicator and money value.
0	0 = Currency indicator precedes the money value. 1 = Currency indicator follows the money value.

- decimalspace (UCHAR) Number (in binary) of decimal spaces used to indicate currency value.
- timeformat (UCHAR)

Time format for presentation in file directory:

Bit	Description
7-1	Reserved
0	0 = 12-hour format 1 = 24-hour format

- reserved (USHORT) Reserved, set to zero.
- datalistsep (CHAR) Data list separator, terminated with a null.
- reserved (USHORT) Reserved, set to zero.
- DataLength (PUSHORT) - output : Address of the length, in bytes, of the country dependent information. rc (USHORT) - return

Returns

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 country dependent information 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.

Family API Considerations

Some options operate differently in DOS mode than in OS/2 mode. Note that not all country

information is available in DOS 3.3.

Bindings

C Binding

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

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

} COUNTRYCODE;

typedef struct _COUNTRYINFO {    /* ctryi */

    USHORT country;              /* country code */
    USHORT codepage;            /* code page */
    USHORT fsDateFmt;           /* date format */
    CHAR    szCurrency[5];      /* currency indicator */
    CHAR    szThousandsSeparator[2]; /* thousands separator */
    CHAR    szDecimal[2];      /* decimal separator */
    CHAR    szDateSeparator[2]; /* date separator */
    CHAR    szTimeSeparator[2]; /* time separator */
    UCHAR    fsCurrencyFmt;     /* bit fields for currency format */
    UCHAR    cDecimalPlace;     /* currency decimal places */
    UCHAR    fsTimeFmt;         /* Time format (AM/PM or 24 hr) */
    USHORT    abReserved1[2];    /* reserved (0) */
    CHAR    szDataSeparator[2]; /* Data list separator */
    USHORT    abReserved2[5];    /* reserved (0) */

} COUNTRYINFO;

#define INCL_DOSNLS

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

USHORT      Length;          /* Length of data area provided */
PCOUNTRYCODE Structure;      /* Input data structure */
PCOUNTRYINFO MemoryBuffer;   /* Country information (returned) */
PUSHORT     DataLength;      /* Length of data (returned) */

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

Example

This example [gets](#) country-dependent information.

```

#define INCL_DOSNLS

#define CURRENT_COUNTRY 0
#define NLS_CODEPAGE 850

COUNTRYCODE Country;
COUNTRYINFO CtryBuffer;
USHORT      Length;
USHORT      rc;

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

rc = DosGetCtryInfo(sizeof(CtryBuffer), /* Length of data area provided
*/
                    &Country,          /* Input data structure */
                    &CtryBuffer,       /* Data area to be filled by
function */
                    &Length);          /* Length of data returned */

```

MASM Binding

```

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

COUNTRYINFO struc
    ctryi_country     dw    ? ;country code
    ctryi_codepage    dw    ? ;code page
    ctryi_fsDateFmt    dw    ? ;date format
    ctryi_szCurrency   db    5 dup (?) ;currency indicator
    ctryi_szThousandsSeparator db 2 dup (?) ;thousands separator
    ctryi_szDecimal    db    2 dup (?) ;decimal separator
    ctryi_szDateSeparator db 2 dup (?) ;date separator
    ctryi_szTimeSeparator db 2 dup (?) ;time separator
    ctryi_fsCurrencyFmt db    ? ;bit fields for currency format
    ctryi_cDecimalPlace db    ? ;currency decimal places
    ctryi_fsTimeFmt    db    ? ;Time format (AM/PM or 24 hr)
    ctryi_abReserved1  dw    2 dup (?) ;reserved (0)
    ctryi_szDataSeparator db 2 dup (?) ;Data list separator
    ctryi_abReserved2  dw    5 dup (?) ;reserved (0)
COUNTRYINFO ends

EXTRN  DosGetCtryInfo:FAR
INCL_DOSNLS      EQU 1

PUSH    WORD      Length      ;Length of data area provided
PUSH@   OTHER     Structure    ;Input data structure
PUSH@   OTHER     MemoryBuffer ;Country information (returned)

```

PUSH@ **WORD** DataLength ;Length of data (returned)
CALL DosGetCtryInfo

Returns **WORD**

Note

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

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

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