



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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## 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.

**C Binding**

```

<PRE> 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 */ </PRE>

```

**Example**

<PRE> 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 */
```

</PRE>

### MASM Binding

<PRE> 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 </PRE>

# Note

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

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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