

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 (USHORT) - 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	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 DosDevIOct1 DosDevIOct2
	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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