

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<br>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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