 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.

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 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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