



# DosCaseMap

This call performs case mapping on a string of binary values that represent ASCII characters.

## Syntax

DosCaseMap (Length, Country, BinaryString)

## Parameters

;Length (USHORT) - input : Length of the string of binary values to be case mapped. ;Country (PCOUNTRYCODE) - input/output : Address of the country information structure: :country (USHORT) : Country code identifier is a binary value of the selected country code. 0 is the default country code. :codepage (USHORT) : Code page identifier is a binary value of the selected code page. 0 is the code page of the current process. ; BinaryString (PCHAR) - input/output : Address of a string of binary characters to be case mapped. They are case mapped in place so the results appear in BinaryString and the input is destroyed.

## Return Code

rc (USHORT) - return Return code descriptions are: \* 0 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

DosCaseMap is mainly used to map a lower case character string to an upper case character string. Unless the user replaces the country information file, DosCaseMap only does the conversion from lower case to upper case.

The case map information is taken from the country information file. See the COUNTRY statement in the IBM Operating System/2 Version 1.2 Command Reference for information on how to specify the country information file.

If countrycode is 0, the case mapping is performed using the information for the country specified in the COUNTRY statement in CONFIG.SYS.

If countrycode is not 0, the case mapping is performed using the information for that country.

If the code page identifier is 0, the case mapping is performed using the information for the current process code page. Refer to [DosSetCp](#) and the CHCP command in the IBM Operating System/2

**Version 1.2 Command Reference** for information on setting the process code page. If codepage is not 0, the case mapping is performed using the information for that code page.

The returned country dependent information may be for the default country and current process code page or for a specific country and code page.

## C Binding

```
<PRE> typedef struct _COUNTRYCODE { /* ctryc */  
  
    USHORT country; /* country code */  
  
    USHORT codepage; /* code page */  
  
} COUNTRYCODE;  
  
#define INCL_DOSNLS  
  
USHORT rc = DosCaseMap(Length, Structure, BinaryString);  
  
USHORT Length; /* Length of string to case map */ PCOUNTRYCODE Structure; /* Input data structure  
*/ PCHAR BinaryString; /* Address of binary string */  
  
USHORT rc; /* return code */ </PRE>
```

## MASM Binding

```
<PRE> COUNTRYCODE struc  
  
    ctryc_country dw ? ;country code  
  
    ctryc_codepage dw ? ;code page  
  
COUNTRYCODE ends  
  
EXTRN DosCaseMap:FAR INCL_DOSNLS EQU 1  
  
PUSH WORD Length ;Length of string to case map PUSH@ OTHER Structure ;Input data structure  
PUSH@ OTHER BinaryString ;Binary string CALL DosCaseMap  
  
Returns WORD </PRE>
```

## Example Code

This example case maps a string for the default country and code page 850. <PRE> #define INCL\_DOSNLS

```
#define CURRENT_COUNTRY 0 #define NLS_CODEPAGE 850
```

COUNTRYCODE Country; CHAR BinString[30]; USHORT rc;

```
Country.country = CURRENT_COUNTRY;          /* Country code */
Country.codepage = NLS_CODEPAGE;             /* Code page */
strcpy(BinString,"Howdy");                   /* String to map */
rc = DosCaseMap(sizeof(BinString),           /* Length of string */
                &Country,                   /* Input data structure */
                BinString);                  /* String */
```

</PRE>

## Note

Text based on [http://www.edm2.com/index.php/DosCaseMap\\_\(FAPi\)](http://www.edm2.com/index.php/DosCaseMap_(FAPi))

| 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 KBDSCALLS.DLL MSG.DLL                                                                                                                                                                                                                                                                                                                              |
| Libraries  |                 | API.LIB OS2386.LIB FAPI.LIB DOSCALLS.LIB SUBCALLS.LIB                                                                                                                                                                                                                                                                                                                        |

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