

DosGetDateTime

This call gets the current date and time maintained by the operating system.

Syntax

DosGetDateTime (DateTime)

Parameters

;DateTime (PDATETIME) - output : Address of the date and time structure: ::hours (UCHAR) - Current hour ::minutes (UCHAR) - Current minute ::seconds (UCHAR) - Current second ::hundredths (UCHAR) - Current hundredth of a second ::day (UCHAR) - Current day ::month (UCHAR) - Current month ::year (USHORT) - Current year ::timezone (SHORT) - Minutes west of UTC (Universal Time Coordinate) ::weekday (UCHAR) - Current day of the week. Sunday is 0.

Return Code

rc (USHORT) - return Return code description is: * 0 NO_ERROR

Remarks

The dayofweek value is based on Sunday equal to zero. The value of timezone is the difference in minutes between the current time zone and UTC. This number is positive if it is earlier than UTC and negative if it is later than UTC. For Eastern Standard Time, this value is 300 (5 hours earlier than UTC).

If the application is executing in the OS/2 environment, it is more efficient to obtain these variables by calling DosGetInfoSeg instead of this function. However, applications written to the family API cannot depend on the availability of DosGetInfoSeg.

Example Code

C Binding

```
typedef struct _DATETIME {  /* date */
  UCHAR   hours;            /* current hour */
  UCHAR   minutes;          /* current minute */
  UCHAR   seconds;          /* current second */
```

```
  UCHAR   hundredths;       /* current hundredths of a second */
  UCHAR   day;              /* current day */
  UCHAR   month;            /* current month */
  USHORT  year;             /* current year */
  SHORT   timezone;         /* minutes of time west of UTC */
  UCHAR   weekday;          /* current day of week */
} DATETIME;

#define INCL_DOSDATETIME

USHORT    rc = DosGetDateTime(DateTime);
PDATETIME DateTime;      /* Address of date/time structure (returned) */
USHORT    rc;            /* return code */
```

This example gets the current time and date.

```
#define INCL_DOSDATETIME

DATETIME DateBuffer;
USHORT   rc;

rc = DosGetDateTime(&DateBuffer);        /* Date/Time structure */
```

The following example obtains and prints date and time information. It then changes the system date to 5/10/1987 and prints the updated information.

```
#define INCL_DOSDATETIME
#include <os2.h>

main()
{
  DATETIME   DateTime;       /* Structure to hold date/time info. */
  USHORT     rc;

  rc = DosGetDateTime(&DateTime);     /* Address of d/t structure */
  printf("Today is %d-%d-%d; the time is %d:%d\n", DateTime.month,
         DateTime.day, DateTime.year, DateTime.hours, DateTime.minutes);
  DateTime.day = 10;
  DateTime.month = 5;
  DateTime.year = 1987;
  printf("The new date is %d-%d-%d; the time is %d:%d\n", DateTime.month,
         DateTime.day, DateTime.year, DateTime.hours, DateTime.minutes);
  rc = DosSetDateTime(&DateTime);    /* Address of d/t structure */
  printf("rc is %d\n", rc);
 }
```

MASM Binding

```
DATETIME struc
```

```
  date_hours      db  ? ;current hour
  date_minutes    db  ? ;current minute
  date_seconds    db  ? ;current second
  date_hundredths db  ? ;current hundredths of a second
  date_day        db  ? ;current day
  date_month      db  ? ;current month
  date_year       dw  ? ;current year
  date_timezone   dw  ? ;minutes of time west of UTC
  date_weekday    db  ? ;current day of week
DATETIME ends

EXTRN  DosGetDateTime:FAR
INCL_DOSDATETIME    EQU 1

PUSH@  OTHER   DateTime      ;Date/time structure (returned)
CALL   DosGetDateTime
```

Returns WORD

Note

Text based on http://www.edm2.com/index.php/DosGetDateTime_(Legacy)

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

Family API	
Tools	BIND
Modules	DOSCALLS.DLL VIOCALLS.DLL KBDCALLS.DLL MSG.DLL
Libraries	API.LIB OS2386.LIB FAPI.LIB DOSCALLS.LIB SUBCALLS.LIB

2018/08/25 15:05 · prokushev · 0 Comments

From:
https://osfree.ru/doku/ - **osFree wiki**

Permanent link:
https://osfree.ru/doku/doku.php?id=en:docs:fapi:dosgetdatetime&rev=1607081432

Last update: **2020/12/04 11:30**