This is part of **Win16 API** which allow to create versions of program from one source code to run under OS/2 and Win16. Under OS/2 program can be running under Win-OS/2 if program is Windows NE executable, and with help on Windows Libraries for OS/2, if it is OS/2 NE executable. Here is a WLO to OS/2 API mapping draft

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LocalNotify

(Source: Windows 2.x SDK, Windows 3.0/3.1 KERNEL)

Brief

Sets a notification callback function for local heap events.

Syntax

```
FARPROC FAR PASCAL LocalNotify(
FARPROC lpfnNotify
);
```

Parameters

lpfnNotify – Far pointer to the new notification callback function. The callback is invoked by the system when certain events occur in the local heap (such as moving or discarding memory blocks). The exact prototype of the callback and the events it receives are not documented in later versions of Windows; refer to the Windows 2.x SDK for details.

Return Value

Returns the address of the previous notification callback function. If no callback was previously set, the return value is NULL.

Notes

This function is a relic of Windows versions 2.x and is rarely used in Windows 3.0 and later. It exists in the KERNEL export table (ordinal 14) for compatibility reasons.

The callback function is called by the heap manager before certain operations (e.g., before moving or

discarding a local memory block). The application can use this notification to prepare for the operation or to veto it.

Detailed information about the callback prototype and the notification codes can be found in the Microsoft Windows Software Development Kit (SDK) for Windows version 2.x.

In Windows 3.0 and 3.1, the function is still present but its practical use is limited; it is not recommended for new code.

The callback function must be exported (listed in the EXPORTS section of the module definition file) and must use the FAR PASCAL calling convention.

Example Code

C Binding

```c
#include <windows.h>

// Hypothetical callback function (actual prototype unknown)
void FAR PASCAL MyNotifyHandler(UINT uEvent, HLOCAL hMem, UINT uFlags) {
// Handle the event
}

FARPROC lpfnOldNotify;

// Set the new handler and save the old one
lpfnOldNotify = LocalNotify((FARPROC)MyNotifyHandler);
```

MASM Binding

```asm
; Assume AX = far pointer to new callback
push ax ; lpfnNotify
call LocalNotify ; Returns AX = previous callback address
```

See also

* [LocalAlloc](#) * [LocalFree](#) * [LocalLock](#) * [LocalCompact](#)

Group	Functions
Module manager	GETVERSION GETMODULEHANDLE GETMODULEUSAGE GETMODULEFILENAME GETPROCADDRESS MAKEPROCINSTANCE FREEPROCINSTANCE GETINSTANCEDATA CATCH THROW GETCODEHANDLE LOADLIBRARY

Group	Functions
Global Memory Manager	GlobalAlloc GlobalCompact GlobalDiscard GlobalFree GlobalLock GlobalReAlloc GlobalSize GlobalUnlock GlobalFlags
Local Memory Manager	LocalInit LocalAlloc LocalCompact LocalDiscard LocalFree LocalLock LocalFreeze LocalMelt LocalReAlloc LocalSize LocalUnlock LocalHandleDelta LockData UnlockData LocalFlags
Task Scheduler	GetCurrentTask Yield SetPriority
Resource Manager	AddFontResource RemoveFontResource LoadBitmap LoadCursor LoadIcon LoadMenu LoadString LoadAccelerators FindResource LoadResource AllocResource LockResource FreeResource AccessResource SizeofResource SetResourceHandler
String Translation	AnsiUpper AnsiLower AnsiNext AnsiPrev
Atom Manager	InitAtomTable AddAtom DeleteAtom FindAtom GetAtomName
Windows Initialization File	GetProfileInt GetProfileString WriteProfileString
Debugging	FatalExit
File I/O	_lopen _lcreat _llseek _lread _lwrite _lclose OpenFile GetTempFileName GetTempDrive
Registry	RegOpenKey RegCreateKey RegCloseKey RegDeleteKey RegSetValue RegQueryValue RegEnumKey

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