



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

2021/09/01 04:23 · prokushev · [0 Comments](#)

Note minimal checked windows version is 1.03

Ordinal	Name	Description	Status			Version	ECMA-234
			Real	Std	Enh		
001	FatalExit	Display the current state of Windows and prompts for instructions on how to proceed				1.03	Yes
003	GetVersion	Return the current version of Windows				1.03	Yes
004	LocalInit	Initialize local heap					Yes
005	LocalAlloc	Allocate wBytes bytes of memory from the local heap				1.03	Yes
006	LocalRealloc	Reallocate the local memory block				1.03	Yes
007	LOCALFREE	Free the local memory block				1.03	Yes
008	LOCALLOCK	Lock the local memory block				1.03	Yes
009	LOCALUNLOCK	Unlock the local memory block				1.03	Yes
00a	LOCALSIZE	Retrieve the current size, in bytes, of the local memory block				1.03	Yes
00b	LOCALHANDLE						Yes
00c	LOCALFLAGS	Return information about the specified local memory block				1.03	Yes
00d	LOCALCOMPACT	Generate free bytes of memory by compacting, if necessary, the module's local heap				1.03	Yes
00e	LOCALNOTIFY						
00f	GLOBALALLOC	Allocate memory from the global heap				1.03	Yes
010	GLOBALREALLOC	Reallocate the global memory block				1.03	Yes
011	GLOBALFREE	Free the global memory block				1.03	Yes
012	GLOBALLOCK	Retrieve the absolute memory address of the global memory block				1.03	Yes

Ordinal	Name	Description	Status			Version	ECMA-234
			Real	Std	Enh		
013	GLOBALUNLOCK	Unlock the global memory block				1.03	Yes
014	GLOBALSIZE	Retrieve the current size, in bytes, of the global memory block				1.03	Yes
015	GLOBALHANDLE						Yes
016	GLOBALFLAGS	Return information ¹ about the specified global memory block				1.03	Yes
017	LOCKSEGMENT						
018	UNLOCKSEGMENT						
019	GLOBALCOMPACT	Generate free bytes of global memory by compacting, if necessary, the system's global heap				1.03	Yes
01d	YIELD	halts the current task and starts any waiting task				1.03	Yes
01e	WAITEVENT						
024	GETCURRENTTASK	Return the handle of the currently executing task				1.03	Yes
025	GETCURRENTPDB	Return current PDB					
02d	LOADMODULE	Load module					Yes
02e	FREEMODULE	Release module					Yes
02f	GetModuleHandle	Retrieve the module handle of the specified module				1.03	Yes
030	GETMODULEUSAGE	Return the reference count of a given module				1.03	Yes
031	GETMODULEFILENAME	Retrieve the name of the executable file from which the specified module was loaded				1.03	Yes
032	GETPROCADDRESS	Retrieve the memory address of the function whose name				1.03	Yes
033	MAKEPROCINSTANCE	Bind the data segment of the module instance specified to the function pointed				1.03	Yes
034	FREEPROCINSTANCE	Frees the function specified from the data segment				1.03	Yes
036	GETINSTANCEDATA	Copy data from a previous instance of an application into the data area of the current instance				1.03	Yes

Ordinal	Name	Description	Status			Version	ECMA-234
			Real	Std	Enh		
037	CATCH	Catch the current execution environment and copy it the the buffer				1.03	Yes
038	THROW	Restore the execution environment to the values saved in the buffer				1.03	Yes
039	GETPROFILEINT	Retrieve the value of an integer key from the the Windows initialization file				1.03	Yes
03a	GETPROFILESTRING	Copy a character string from the user profile into the buffer				1.03	Yes
03b	WRITEPROFILESTRING	Copy the character string into the Windows initialization file				1.03	Yes
03c	FINDRESOURCE	Determine the location of a resource in the specified resource file				1.03	Yes
03d	LOADRESOURCE	Load a resource from the executable file associated with the module				1.03	Yes
03e	LOCKRESOURCE	Retrieve the absolute memory address of the loaded resource				1.03	Yes
03f	FREERESOURCE	Remove a loaded resource from memory by freeing the allocated memory occupied by that resource				1.03	Yes
040	ACCESSRESOURCE	Open the specified resource file and moves the file pointer to the beginning of the specified resource				1.03	
041	SIZEOFRESOURCE	Supply the size in bytes of the specified resource				1.03	Yes
042	ALLOCRESOURCE	Allocate uninitialized memory for the passed resource				1.03	Yes
043	SETRESOURCEHANDLER	Set up a function to load resources				1.03	Yes
044	INITATOMTABLE	Initialize an atom hash table and set its size				1.03	
045	FINDATOM	Search the atom table for the character string				1.03	
046	ADDATOM	Add the character string to the atom table				1.03	
047	DELETEATOM	Delete an atom				1.03	

Ordinal	Name	Description	Status			Version	ECMA-234
			Real	Std	Enh		
048	GETATOMNAME	Retrieve a copy of the character string associated with atom				1.03	
049	GETATOMHANDLE						
04a	OPENFILE	Create, open, reopen, or delete a file				1.03	Yes
04d	AnsiNext	Move to the next character in a string				1.03	Yes
04e	AnsiPrev	Move to the previous character in a string				1.03	Yes
04f	AnsiUpper	Convert a string or a character to upper case				1.03	Yes
050	AnsiLower	Convert the given string to lower case				1.03	Yes
051	_LCLOSE	Close the file described by the file handle					Yes
052	_LREAD	Read a specified number of bytes from a file into memory					Yes
053	_LCREAT	Create and open a file, described by FileName, for reading and/or writing					Yes
054	_LLSEEK	Move the current file position pointer of the file					Yes
055	_LOPEN	Open a file					Yes
056	_LWRITE	Write a specified number of bytes of memory to a file					Yes
057	LSTRCMP	Compare two strings					Yes
058	LSTRCPY	Copy the contents from one string to another					Yes
059	LSTRCAT	Concatenate the contents of two strings					Yes
05a	LSTRLEN	Determines the length of the string					Yes
05b	INITTASK						
05c	GETTEMPDRIVE	Return a letter specifying the optimal drive for a temporary file				1.03	Yes
05d	GETCODEHANDLE	Return the handle of the code segment containing the function pointed				1.03	
05e	DEFINEHANDLETABLE						
05f	LOADLIBRARY	Load the library module contained in the specified file and returns a handle to the loaded module				1.03	Yes

Ordinal	Name	Description	Status			Version	ECMA-234
			Real	Std	Enh		
060	FREELIBRARY	Free memory occupied by library when module reference count equal to zero				1.03	Yes
061	GETTEMPFILENAME	Create a temporary filename				1.03	Yes
064	VALIDATECODESEGMENTS						
066	DOS3CALL						
067	NETBIOSCALL						
068	GETCODEINFO						
06a	SETSWAPAREASIZE						
06b	SETERRORMODE						Yes
06c	SWITCHSTACKTO						
06d	SWITCHSTACKBACK						
06f	GLOBALWIRE						
070	GLOBALUNWIRE						
073	OUTPUTDEBUGSTRING						Yes
079	LOCALSHRINK						Yes
07f	GETPRIVATEPROFILEINT						Yes
080	GETPRIVATEPROFILESTRING						Yes
081	WRITEPRIVATEPROFILESTRING						Yes
082	FILECDR						
083	GETDOSENVIRONMENT						
084	GETWINFLAGS						Yes
086	GETWINDOWSDIRECTORY						Yes
087	GETSYSTEMDIRECTORY						Yes
088	GETDRIVETYPE						Yes
089	FATALAPPEXIT						Yes
08a	GETHEAPSPACES						
096	DIRECTEDYIELD						Yes
098	GETNUMTASKS						Yes
09a	GLOBALNOTIFY						Yes
09c	LIMITEMSPAGES						
0a3	GLOBALLRUOLDEST						Yes
0a4	GLOBALLRUNEWEST						Yes
0a6	WINEXEC						Yes
0a9	GETFREESPACE						Yes
0aa	ALLOCCSTODSALIAS						
0ab	ALLOCDSTOCSALIAS						
0af	ALLOCSELECTOR						
0b0	FREESELECTOR						
0b1	PRESTOCHANGOSELECTOR						
0b8	GLOBALDOSALLOC						
0b9	GLOBALDOSFREE						
0ba	GETSELECTORBASE						

Ordinal	Name	Description	Status			Version	ECMA-234
			Real	Std	Enh		
0bb	SETSELECTORBASE						
0bc	GETSELECTORLIMIT						
0bd	SETSELECTORLIMIT						
0bf	GLOBALPAGELOCK						
0c0	GLOBALPAGEUNLOCK						
0c4	SELECTORACCESSRIGHTS						
0c5	GLOBALFIX						Yes
0c6	GLOBALUNFIX						Yes
0c7	SETHANDLECOUNT						Yes
0c8	VALIDATEFREESPACES						
0cb	DEBUGBREAK						
0cc	SWAPRECORDING						
0ce	ALLOCSELECTORARRAY						
0cf	ISDBCSLEADBYTE						Yes
136	LOCALHANDLEDELTA	Set the number of handle table entries to be allocated when the local heap manager runs out of handle table				1.03	
140	ISTASK						Yes
143	ISROMMODULE						
144	LOGERROR						
145	LOGPARAMERROR						
146	ISROMFILE						
14e	ISBADREADPTR						Yes
14f	ISBADWRITEPTR						Yes
150	ISBADCODEPTR						Yes
151	ISBADSTRINGPTR						Yes
15b	ISBADHUGEWRITEPTR						Yes
15c	HMEMCPY						
15d	_HREAD						
15e	_HWRITE						
161	LSTRCPYN						Yes
162	GETAPPCOMPATFLAGS						
163	GETWINDEBUGINFO						
164	SETWINDEBUGINFO						

Not found in exports (check other module later): GlobalDiscard 1.03 LocalDiscard 1.03 LocalFreeze 1.03 LocalMelt 1.03 LockData 1.03 UnLockData 1.03 SetPriority 1.03 AddFontResource 1.03 RemoveFontResource 1.03 LoadBitmap 1.03 LoadCursor 1.03 LoadIcon 1.03 LoadMenu 1.03 LoadString 1.03 LoadAccelerators 1.03 AnsiToOem 1.03 OemToAnsi 1.03 MAKEINTATOM 1.03 (Macro?)

Module manager: GETVERSION GETMODULEHANDLE GETMODULEUSAGE GETMODULEFILENAME GETPROCADDRESS MAKEPROCINSTANCE FREEPROCINSTANCE GETINSTANCEDATA CATCH THROW

GETCODEHANDLE LOADLIBRARY FREELIBRARY

Memory Manager: GlobalAlloc GlobalCompact GlobalDiscard GlobalFree GlobalLock GlobalReAlloc
GlobalSize GlobalUnlock GlobalFlags 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: OpenFile GetTempFileName GetTempDrive

From:

<http://www.osfree.org/doku/> - **osFree wiki**

Permanent link:

<http://www.osfree.org/doku/doku.php?id=en:docs:win16:modules:kernel&rev=1668695987>

Last update: **2022/11/17 14:39**

