



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](#)

Windows kernel for 8086 (KERNEL.EXE) doesn't uses DPMI or LDT for memory management. KERNEL.EXE for later versions of Windows emulates selectors functions via segments (like [FAPI](#) does), but not so good (mostly functions returns errors). KRNL286.EXE and KRNL386.EXE uses direct LDT manipulations. Kernels for WOW uses DPMI functions. For now, osFree tries to reuse only DPMI (in future it is possible to implement direct LDT manipulation, may be).

- [DGROUP, Local Heap and Atom Table](#)

Note minimal checked windows version is 1.03.

Ordinal	Name	Description	Status			Version	ECMA-234
			Real	Std	Enh		
001	<a href="#">FatalExit</a>	Display the current state of Windows and prompts for instructions on how to proceed				1.03	Yes
002	<a href="#">ExitKernel</a>						
003	<a href="#">GetVersion</a>	Return the current version of Windows				1.03	Yes
004	<a href="#">LocalInit</a>	Initialize local heap					Yes
005	<a href="#">LocalAlloc</a>	Allocate wBytes bytes of memory from the local heap				1.03	Yes
006	<a href="#">LocalRealloc</a>	Reallocate the local memory block				1.03	Yes
007	<a href="#">LocalFree</a>	Free the local memory block				1.03	Yes
008	<a href="#">LocalLock</a>	Lock the local memory block				1.03	Yes
009	<a href="#">LocalUnlock</a>	Unlock the local memory block				1.03	Yes
010	<a href="#">LocalSize</a>	Retrieve the current size, in bytes, of the local memory block				1.03	Yes
011	<a href="#">LocalHandle</a>	Retrieve the handle associated with the specified pointer to a local memory object					Yes
012	<a href="#">LocalFlags</a>	Return information about the specified local memory block				1.03	Yes

Ordinal	Name	Description	Status			Version	ECMA-234
			Real	Std	Enh		
013	<a href="#">LocalCompact</a>	Generate free bytes of memory by compacting, if necessary, the module's local heap				1.03	Yes
014	<a href="#">LocalNotify</a>	Set a notification callback function for local heap events					
015	<a href="#">GlobalAlloc</a>	Allocate memory from the global heap				1.03	Yes
016	<a href="#">GlobalRealloc</a>	Reallocate the global memory block				1.03	Yes
017	<a href="#">GlobalFree</a>	Free the global memory block				1.03	Yes
018	<a href="#">GlobalLock</a>	Retrieve the absolute memory address of the global memory block				1.03	Yes
019	<a href="#">GlobalUnlock</a>	Unlock the global memory block				1.03	Yes
020	<a href="#">GlobalSize</a>	Retrieve the current size, in bytes, of the global memory block				1.03	Yes
021	<a href="#">GlobalHandle</a>	Retrieve handle for given address					Yes
022	<a href="#">GlobalFlags</a>	Return information <sup>1</sup> about the specified global memory block				1.03	Yes
023	<a href="#">LockSegment</a>						
024	<a href="#">UnlockSegment</a>						
025	<a href="#">GlobalCompact</a>	Generate free bytes of global memory by compacting, if necessary, the system's global heap				1.03	Yes
026	<a href="#">GlobalFreeAll</a>						
027	<a href="#">GetModuleName</a>						
028	<a href="#">GlobalMasterHandle</a>						
029	<a href="#">Yield</a>	halts the current task and starts any waiting task				1.03	Yes
030	<a href="#">WaitEvent</a>						
031	<a href="#">PostEvent</a>						
032	<a href="#">SetPriority</a>						
033	<a href="#">LockCurrentTask</a>						
034	<a href="#">SetTaskQueue</a>						
035	<a href="#">GetTaskQueue</a>						
036	<a href="#">GetCurrentTask</a>	Return the handle of the currently executing task				1.03	Yes
037	<a href="#">GetCurrentPDB</a>	Return current PDB					
038	<a href="#">SetTaskSignalProc</a>						

Ordinal	Name	Description	Status			Version	ECMA-234
			Real	Std	Enh		
039	<a href="#">SetTaskSwitchProc</a>						
040	<a href="#">SetTaskInterchange</a>						
041	<a href="#">EnableDOS</a>						
042	<a href="#">DisableDOS</a>						
043	<a href="#">IsScreenGrab</a>						
044	<a href="#">BuildPDB</a>						
045	<a href="#">LoadModule</a>	Load module					Yes
046	<a href="#">FreeModule</a>	Release module					Yes
047	<a href="#">GetModuleHandle</a>	Retrieve the module handle of the specified module				1.03	Yes
048	<a href="#">GetModuleUsage</a>	Return the reference count of a given module				1.03	Yes
049	<a href="#">GetModuleFileName</a>	Retrieve the name of the executable file from which the specified module was loaded				1.03	Yes
050	<a href="#">GetProcAddress</a>	Retrieve the memory address of the function whose name				1.03	Yes
051	<a href="#">MakeProcInstance</a>	Bind the data segment of the module instance specified to the function pointed				1.03	Yes
052	<a href="#">FreeProcInstance</a>	Frees the function specified from the data segment				1.03	Yes
053	<a href="#">CallProcInstance</a>						
054	<a href="#">GetInstanceData</a>	Copy data from a previous instance of an application into the data area of the current instance				1.03	Yes
055	<a href="#">Catch</a>	Catch the current execution environment and copy it the the buffer				1.03	Yes
056	<a href="#">Throw</a>	Restore the execution environment to the values saved in the buffer				1.03	Yes
057	<a href="#">GetProfileInt</a>	Retrieve the value of an integer key from the the Windows initialization file				1.03	Yes
058	<a href="#">GetProfileString</a>	Copy a character string from the user profile into the buffer				1.03	Yes
059	<a href="#">WriteProfileString</a>	Copy the character string into the Windows initialization file				1.03	Yes

Ordinal	Name	Description	Status			Version	ECMA-234
			Real	Std	Enh		
060	<a href="#">FindResource</a>	Determine the location of a resource in the specified resource file				1.03	Yes
061	<a href="#">LoadResource</a>	Load a resource from the executable file associated with the module				1.03	Yes
062	<a href="#">LockResource</a>	Retrieve the absolute memory address of the loaded resource				1.03	Yes
063	<a href="#">FreeResource</a>	Remove a loaded resource from memory by freeing the allocated memory occupied by that resource				1.03	Yes
064	<a href="#">AccessResource</a>	Open the specified resource file and moves the file pointer to the beginning of the specified resource				1.03	
065	<a href="#">SizeOfResource</a>	Supply the size in bytes of the specified resource				1.03	Yes
066	<a href="#">AllocResource</a>	Allocate uninitialized memory for the passed resource				1.03	Yes
067	<a href="#">SetResourceHandle</a>	Set up a function to load resources				1.03	Yes
068	<a href="#">InitAtomTable</a>	Initialize an atom hash table and set its size				1.03	
069	<a href="#">FindAtom</a>	Search the atom table for the character string				1.03	
070	<a href="#">AddAtom</a>	Add the character string to the atom table				1.03	
071	<a href="#">DeleteAtom</a>	Delete an atom				1.03	
072	<a href="#">GetAtomName</a>	Retrieve a copy of the character string associated with atom				1.03	
073	<a href="#">GetAtomHandle</a>						
074	<a href="#">OpenFile</a>	Create, open, reopen, or delete a file				1.03	Yes
075	<a href="#">OpenPathname</a>						
076	<a href="#">DeletePathname</a>						
077	<a href="#">AnsiNext</a>	Move to the next character in a string				1.03	Yes
078	<a href="#">AnsiPrev</a>	Move to the previous character in a string				1.03	Yes
079	<a href="#">AnsiUpper</a>	Convert a string or a character to upper case				1.03	Yes

Ordinal	Name	Description	Status			Version	ECMA-234
			Real	Std	Enh		
080	<a href="#">AnsiLower</a>	Convert the given string to lower case				1.03	Yes
081	<a href="#">_lclose</a>	Close the file described by the file handle					Yes
082	<a href="#">_lread</a>	Read a specified number of bytes from a file into memory					Yes
083	<a href="#">_lcreat</a>	Create and open a file, described by FileName, for reading and/or writing					Yes
084	<a href="#">_llseek</a>	Move the current file position pointer of the file					Yes
085	<a href="#">_lopen</a>	Open a file					Yes
086	<a href="#">_lwrite</a>	Write a specified number of bytes of memory to a file					Yes
087	<a href="#">lstrcmp</a>	Compare two strings					Yes
088	<a href="#">lstrcpy</a>	Copy the contents from one string to another					Yes
089	<a href="#">lstrcat</a>	Concatenate the contents of two strings					Yes
090	<a href="#">lstrlen</a>	Determines the length of the string					Yes
091	<a href="#">InitTask</a>						
092	<a href="#">GetTempDrive</a>	Return a letter specifying the optimal drive for a temporary file				1.03	Yes
093	<a href="#">GetCodeHandle</a>	Return the handle of the code segment containing the function pointed				1.03	
094	<a href="#">DefineHandleTable</a>						
095	<a href="#">LoadLibrary</a>	Load the library module contained in the specified file and returns a handle to the loaded module				1.03	Yes
096	<a href="#">FreeLibrary</a>	Free memory occupied by library when module reference count equal to zero				1.03	Yes
097	<a href="#">GetTempFilename</a>	Create a temporary filename				1.03	Yes
098	<a href="#">GetLastDiskChange</a>						
099	<a href="#">GetLpErrMode</a>						
100	<a href="#">ValidateCodeSegments</a>						
101	<a href="#">NoHookDosCall</a>	Call DOS INT 21H directly					
102	<a href="#">Dos3Call</a>						
103	<a href="#">NetbiosCall</a>						

Ordinal	Name	Description	Status			Version	ECMA-234
			Real	Std	Enh		
104	<a href="#">GetCodeInto</a>						
105	<a href="#">GetExeVersion</a>						
106	<a href="#">SetSwapAreaSize</a>						
107	<a href="#">SetErrorMode</a>						Yes
108	<a href="#">SwitchStackTo</a>						
109	<a href="#">SwitchStackBack</a>						
110	<a href="#">PatchCodeHandle</a>						
111	<a href="#">GlobalWire</a>						
112	<a href="#">GlobalUnwire</a>						
113	<a href="#">__AHSHIFT</a>						
114	<a href="#">__AHINCR</a>						
115	<a href="#">OutputDebugString</a>						Yes
116	<a href="#">InitLib</a>						
117	<a href="#">OldYield</a>						
118	<a href="#">GetTaskQueueDS</a>						
119	<a href="#">GetTaskQueueES</a>						
120	<a href="#">UndefDynLink</a>						
121	<a href="#">LocalShrink</a>	Shrink the specified local heap to the given size					Yes
122	<a href="#">IsTaskLocked</a>						
123	<a href="#">KbdRst</a>						
124	<a href="#">EnableKernel</a>						
125	<a href="#">DisableKernel</a>						
126	<a href="#">MemoryFreed</a>						
127	<a href="#">GetPrivateProfileInt</a>						Yes
128	<a href="#">GetPrivateProfileString</a>						Yes
129	<a href="#">WritePrivateProfileString</a>						Yes
130	<a href="#">FileCdr</a>						
131	<a href="#">GetDOSEnvironment</a>						
132	<a href="#">GetWinFlags</a>						Yes
133	<a href="#">GetExePtr</a>						
134	<a href="#">GetWindowsDirectory</a>						Yes
135	<a href="#">GetSystemDirectory</a>						Yes
136	<a href="#">GetDriveType</a>						Yes
137	<a href="#">FatalAppExit</a>						Yes
138	<a href="#">GetHeapSpaces</a>						
139	<a href="#">DoSignal</a>						
140	<a href="#">SetSigHandler</a>						
141	<a href="#">InitTask1</a>						
142	<a href="#">GetProfileSectionNames</a>						
143	<a href="#">GetPrivateProfileSectionNames</a>						
144	<a href="#">CreateDirectory</a>						
145	<a href="#">RemoveDirectory</a>						
146	<a href="#">DeleteFile</a>						

Ordinal	Name	Description	Status			Version	ECMA-234
			Real	Std	Enh		
147	<a href="#">SetLastError</a>						
148	<a href="#">GetLastError</a>						
149	<a href="#">GetVersionEx</a>						
150	<a href="#">DirectedYield</a>						Yes
151	<a href="#">WinOldApCall</a>						
152	<a href="#">GetNumTasks</a>						Yes
153	???						
154	<a href="#">GlobalNotify</a>						Yes
155	<a href="#">GetTaskDS</a>						
156	<a href="#">LimitEMSPages</a>						
157	<a href="#">GetCurPID</a>						
158	<a href="#">IsWinOldApTask</a>						
159	<a href="#">GlobalHandleNoRip</a>						
160	<a href="#">EMSCopy</a>						
161	<a href="#">LocalCountFree</a>	Return the size of the free area in the current local heap					
162	<a href="#">LocalHeapSize</a>	Return the total size of the current local heap					
163	<a href="#">GlobalLRUOldest</a>						Yes
164	<a href="#">GlobalLRUNewest</a>						Yes
165	<a href="#">A20Proc</a>						
166	<a href="#">WinExec</a>						Yes
167	<a href="#">GetExpWinVer</a>						
168	<a href="#">DirectResAlloc</a>						
169	<a href="#">GEtFreeSpace</a>						Yes
170	<a href="#">AllocCSToDSAlisa</a>						
171	<a href="#">AllocDSToCSAlias</a>						
172	<a href="#">AllocAlias</a>						
173	<a href="#">__ROMBIOS</a>	BIOS selector					
174	<a href="#">__A000H</a>	Selector of A000:0000					
175	<a href="#">AllocSelector</a>						
176	<a href="#">FreeSelector</a>						
177	<a href="#">PrestoChangoSelector</a>						
178	<a href="#">__WINFLAGS</a>						
179	<a href="#">__D000H</a>	Selector of D000:0000					
180	<a href="#">LongPtrAdd</a>						
181	<a href="#">__B000H</a>	Selector of B000:0000					
182	<a href="#">__B800H</a>	Selector of B800:0000					
183	<a href="#">__0000H</a>	Selector of 0000:0000					
184	<a href="#">GlobalDOSAlloc</a>	Allocate memory blocks in the first megabyte address space					

Ordinal	Name	Description	Status			Version	ECMA-234
			Real	Std	Enh		
185	<a href="#">GlobalDOSFree</a>	Free memory blocks in the first megabyte address space					
186	<a href="#">GetSelectorBase</a>	Get selector base address					
187	<a href="#">SetSelectorBase</a>	Sel selector base address					
188	<a href="#">GetSelectorLimit</a>	Get selector memory limit					
189	<a href="#">SetSelectorLimit</a>	Set selector memory limit					
190	<a href="#">__E000H</a>	Selector of E000:0000					
191	<a href="#">GlobalPageLock</a>						
192	<a href="#">GlobalPageUnlock</a>						
193	<a href="#">__0040H</a>	Selector of 0040:0000					
194	<a href="#">__F000H</a>	Selector of F000:0000					
195	<a href="#">__C000H</a>	Selector of C000:0000					
196	<a href="#">SelectorAccessRights</a>						
197	<a href="#">GlobalFix</a>						Yes
198	<a href="#">GlobalUnfix</a>						Yes
199	<a href="#">SetHandleCount</a>						Yes
200	<a href="#">ValidateFreeSpaces</a>						
201	<a href="#">Replacelnst</a>						
202	<a href="#">RegisterPtrace</a>						
203	<a href="#">DebugBreak</a>						
204	<a href="#">SwapRecording</a>						
205	<a href="#">CVWBreak</a>						
206	<a href="#">AllocSelectorArray</a>						
207	<a href="#">IsDBCSLeadByte</a>						Yes
310	<a href="#">LocalHandleDelta</a>	Set the number of handle table entries to be allocated when the local heap manager runs out of handle table				1.03	
320	<a href="#">IsTask</a>						Yes
323	<a href="#">IsROMModule</a>						
324	<a href="#">LogError</a>						
325	<a href="#">LogParamError</a>						
326	<a href="#">IsROMFile</a>						
334	<a href="#">IsBadReadPtr</a>						Yes
335	<a href="#">IsBadWritePtr</a>						Yes
336	<a href="#">IsBadCodePtr</a>						Yes
337	<a href="#">IsBadStringPtr</a>						Yes
347	<a href="#">IsBadHugeWritePtr</a>						Yes
348	<a href="#">hmemcpy</a>						
349	<a href="#">_hread</a>						
350	<a href="#">_hwrite</a>						

Ordinal	Name	Description	Status			Version	ECMA-234
			Real	Std	Enh		
353	<a href="#">lstrcpyn</a>						Yes
354	<a href="#">GetAppCompatFlags</a>						
355	<a href="#">GetWinDebugInfo</a>						
356	<a href="#">SetWinDebugInfo</a>						

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 AddFontResource 1.03 RemoveFontResource 1.03

Group	Functions
<b>Module Management</b>	<a href="#">GetVersion</a> <a href="#">GetModuleHandle</a> <a href="#">GetModuleUsage</a> <a href="#">GetModuleFileName</a> <a href="#">GetProcAddress</a> <a href="#">MakeProInstance</a> <a href="#">FreeProInstance</a> <a href="#">GetInstanceData</a> <a href="#">Catch</a> <a href="#">Throw</a> <a href="#">GetCodeHandle</a> <a href="#">LoadLibrary</a> <a href="#">FreeLibrary</a>
<b>Global Memory Management</b>	<a href="#">GlobalAlloc</a> <a href="#">GlobalCompact</a> <a href="#">GlobalDiscard</a> <a href="#">GlobalFree</a> <a href="#">GlobalLock</a> <a href="#">GlobalReAlloc</a> <a href="#">GlobalSize</a> <a href="#">GlobalUnlock</a> <a href="#">GlobalFlags</a>
<b>Local Memory Management</b>	<a href="#">LocalInit</a> <a href="#">LocalAlloc</a> <a href="#">LocalCompact</a> <a href="#">LocalDiscard</a> <a href="#">LocalFree</a> <a href="#">LocalLock</a> <a href="#">LocalFreeze</a> <a href="#">LocalMelt</a> <a href="#">LocalReAlloc</a> <a href="#">LocalSize</a> <a href="#">LocalUnlock</a> <a href="#">LocalHandleDelta</a> <a href="#">LockData</a> <a href="#">UnlockData</a> <a href="#">LocalFlags</a>
<b>Task Scheduling</b>	<a href="#">GetCurrentTask</a> <a href="#">Yield</a> <a href="#">SetPriority</a>
<b>Resource Management</b>	<a href="#">AddFontResource</a> <a href="#">RemoveFontResource</a> <a href="#">LoadBitmap</a> <a href="#">LoadCursor</a> <a href="#">LoadIcon</a> <a href="#">LoadMenu</a> <a href="#">LoadString</a> <a href="#">LoadAccelerators</a> <a href="#">FindResource</a> <a href="#">LoadResource</a> <a href="#">AllocResource</a> <a href="#">LockResource</a> <a href="#">FreeResource</a> <a href="#">AccessResource</a> <a href="#">SizeofResource</a> <a href="#">SetResourceHandler</a>
<b>String Manipulation</b>	<a href="#">AnsiUpper</a> <a href="#">AnsiLower</a> <a href="#">AnsiNext</a> <a href="#">AnsiPrev</a> <a href="#">AnsiUpperBuff</a> <a href="#">AnsiLowerBuff</a> <a href="#">lstrcmp</a> <a href="#">lstrcmpi</a> <a href="#">IsCharAlpha</a> <a href="#">IsCharAlphaNumeric</a> <a href="#">IsCharUpper</a> <a href="#">IsCharLower</a> <a href="#">_wsprintf</a> <a href="#">wvsprintf</a>
<b>Atom Management</b>	<a href="#">InitAtomTable</a> <a href="#">AddAtom</a> <a href="#">DeleteAtom</a> <a href="#">FindAtom</a> <a href="#">GetAtomName</a> <a href="#">GlobalAddAtom</a> <a href="#">GlobalDeleteAtom</a> <a href="#">GlobalFindAtom</a> <a href="#">GlobalGetAtomName</a>
<b>Initialization Files</b>	<a href="#">GetProfileInt</a> <a href="#">GetProfileString</a> <a href="#">WriteProfileString</a>
<b>Debugging</b>	<a href="#">FatalExit</a>
<b>File Input/Output</b>	<a href="#">_lopen</a> <a href="#">_lcreat</a> <a href="#">_llseek</a> <a href="#">_lread</a> <a href="#">_lwrite</a> <a href="#">_lclose</a> <a href="#">OpenFile</a> <a href="#">GetTempFileName</a> <a href="#">GetTempDrive</a>
<b>Registry</b>	<a href="#">RegOpenKey</a> <a href="#">RegCreateKey</a> <a href="#">RegCloseKey</a> <a href="#">RegDeleteKey</a> <a href="#">RegSetValue</a> <a href="#">RegQueryValue</a> <a href="#">RegEnumKey</a>

Group	Functions
<b>Window Management</b>	CreateWindow CreateWindowEx DestroyWindow ShowWindow CloseWindow OpenIcon MoveWindow SetWindowPos BringWindowToTop GetWindow GetParent SetParent GetNextWindow GetTopWindow GetWindowRect GetClientRect AdjustWindowRect AdjustWindowRectEx EnableWindow IsWindowEnabled IsWindowVisible IsIconic IsZoomed IsWindow IsChild FindWindow EnumWindows EnumChildWindows EnumTaskWindows GetDesktopWindow GetDesktopHwnd WindowFromPoint ChildWindowFromPoint GetWindowText SetWindowText GetWindowTextLength GetClassName GetWindowLong SetWindowLong GetWindowWord SetWindowWord GetWindowTask GetWindowPlacement SetWindowPlacement ArrangelconicWindows CascadeChildWindows TileChildWindows ShowOwnedPopups AnyPopup GetLastActivePopup SetActiveWindow GetActiveWindow SetFocus GetFocus SetCapture GetCapture ReleaseCapture SetSysModalWindow GetSysModalWindow LockWindowUpdate RedrawWindow UpdateWindow InvalidateRect InvalidateRgn ValidateRect ValidateRgn GetUpdateRect GetUpdateRgn ExcludeUpdateRgn BeginDeferWindowPos DeferWindowPos EndDeferWindowPos FlashWindow
<b>Message Handling</b>	GetMessage PeekMessage PostMessage PostAppMessage SendMessage ReplyMessage InSendMessage WaitMessage TranslateMessage DispatchMessage GetMessagePos GetMessageTime GetMessageExtraInfo PostQuitMessage RegisterWindowMessage SetMessageQueue GetQueueStatus GetInputState QuerySendMessage
<b>Painting and Drawing</b>	BeginPaint EndPaint GetDC GetDCEX GetWindowDC ReleaseDC DrawText GrayString TabbedTextOut GetTabbedTextExtent FillRect InvertRect FrameRect DrawFocusRect DrawIcon ScrollDC ScrollWindow ScrollWindowEx FillWindow PaintRect GetControlBrush
<b>Menus</b>	CreateMenu CreatePopupMenu DestroyMenu GetMenu SetMenu GetSystemMenu GetSubMenu AppendMenu InsertMenu ModifyMenu DeleteMenu RemoveMenu ChangeMenu CheckMenuItem EnableMenuItem HiliteMenuItem GetMenuState GetMenuString GetMenuItemCount GetMenuItemID DrawMenuBar TrackPopupMenu GetMenuCheckMarkDimensions SetMenuItemBitmaps IsMenu
<b>Clipboard</b>	OpenClipboard CloseClipboard EmptyClipboard GetClipboardOwner GetOpenClipboardWindow SetClipboardData GetClipboardData CountClipboardFormats EnumClipboardFormats RegisterClipboardFormat GetClipboardFormatName IsClipboardFormatAvailable GetPriorityClipboardFormat SetClipboardViewer GetClipboardViewer ChangeClipboardChain
<b>Caret</b>	CreateCaret DestroyCaret SetCaretPos GetCaretPos HideCaret ShowCaret SetCaretBlinkTime GetCaretBlinkTime
<b>Cursor and Icon</b>	SetCursor GetCursor SetCursorPos GetCursorPos ShowCursor ClipCursor GetClipCursor LoadCursor LoadIcon CreateCursor CreateIcon CopyCursor CopyIcon DestroyCursor DestroyIcon CreateCursorIconIndirect
<b>Scroll Bars</b>	SetScrollPos GetScrollPos SetScrollRange GetScrollRange ShowScrollBar EnableScrollBar CalcChildScroll

Group	Functions
<b>Dialog Boxes</b>	DialogBox DialogBoxIndirect DialogBoxParam DialogBoxIndirectParam CreateDialog CreateDialogIndirect CreateDialogParam CreateDialogIndirectParam EndDialog GetDlgItem SetDlgItemText GetDlgItemText SetDlgItemInt GetDlgItemInt CheckDlgButton IsDlgButtonChecked CheckRadioButton SendDlgItemMessage GetNextDlgGroupItem GetNextDlgTabItem GetDlgCtrlID IsDialogMessage MapDialogRect GetDialogBaseUnits DefDlgProc DlgDirList DlgDirListComboBox DlgDirSelect DlgDirSelectEx DlgDirSelectComboBox DlgDirSelectComboBoxEx
<b>Device Context Management</b>	GetDC GetDCEX GetWindowDC ReleaseDC SaveDC RestoreDC CreateDC CreateCompatibleDC DeleteDC ResetDC
<b>Coordinates and Transformations</b>	SetMapMode GetMapMode SetWindowOrg GetWindowOrg SetWindowExt GetWindowExt SetViewportOrg GetViewportOrg SetViewportExt GetViewportExt OffsetWindowOrg OffsetViewportOrg ScaleWindowExt ScaleViewportExt DPToLP LPtoDP
<b>Drawing Functions</b>	SetPixel GetPixel MoveTo LineTo Polyline Polygon PolyPolygon Rectangle RoundRect Ellipse Arc Chord Pie FloodFill ExtFloodFill DrawFocusRect PatBlt BitBlt StretchBlt StretchDIBits SetDIBits GetDIBits SetDIBitsToDevice
<b>Regions</b>	CreateRectRgn CreateRectRgnIndirect CreateRoundRectRgn CreateEllipticRgn CreateEllipticRgnIndirect CreatePolygonRgn CreatePolyPolygonRgn CombineRgn EqualRgn OffsetRgn FillRgn FrameRgn InvertRgn PaintRgn SelectClipRgn ExcludeClipRect IntersectClipRect OffsetClipRgn GetClipBox GetRgnBox PtInRegion RectInRegion SetRectRgn
<b>Bitmaps</b>	CreateBitmap CreateBitmapIndirect CreateCompatibleBitmap CreateDiscardableBitmap CreateDIBitmap CreateDIBPatternBrush SetBitmapBits GetBitmapBits SetBitmapDimension GetBitmapDimension
<b>Brushes and Pens</b>	CreateSolidBrush CreateHatchBrush CreatePatternBrush CreateBrushIndirect CreatePen CreatePenIndirect SetBrushOrg GetBrushOrg SelectObject GetObject DeleteObject GetStockObject UnrealizeObject
<b>Fonts and Text</b>	CreateFont CreateFontIndirect CreateScalableFontResource AddFontResource RemoveFontResource EnumFonts EnumFontFamilies GetTextMetrics GetTextExtent GetTextFace GetCharWidth GetCharABCWidths GetOutlineTextMetrics GetGlyphOutline GetKerningPairs SetTextColor GetTextColor SetBkColor GetBkColor SetBkMode GetBkMode SetTextAlign GetTextAlign SetTextCharacterExtra GetTextCharacterExtra SetTextJustification TextOut ExtTextOut TabbedTextOut GetTabbedTextExtent
<b>Metafiles</b>	CreateMetaFile CloseMetaFile DeleteMetaFile CopyMetaFile GetMetaFile GetMetaFileBits SetMetaFileBits PlayMetaFile PlayMetaFileRecord EnumMetaFile IsValidMetaFile
<b>Printing</b>	StartDoc EndDoc StartPage EndPage SetAbortProc AbortDoc QueryAbort OpenJob CloseJob DeleteJob WriteSpool StartSpoolPage EndSpoolPage SpoolFile
<b>Palettes</b>	CreatePalette SelectPalette RealizePalette GetPaletteEntries SetPaletteEntries ResizePalette AnimatePalette UpdateColors GetNearestPaletteIndex GetNearestColor SetSystemPaletteUse GetSystemPaletteUse GetSystemPaletteEntries
<b>Device Capabilities</b>	GetDeviceCaps GetRasterizerCaps GetEnvironment SetEnvironment GetAspectRatioFilter Escape CreateIC
<b>Miscellaneous GDI</b>	SetROP2 GetROP2 SetPolyFillMode GetPolyFillMode SetStretchBltMode GetStretchBltMode SetMapperFlags GetMapperFlags LineDDA MulDiv GetCurrentPosition GetBoundsRect SetBoundsRect FastWindowFrame
<b>Timer</b>	SetTimer KillTimer GetTickCount GetTimerResolution GetCurrentTime

Group	Functions
<b>Hooks</b>	SetWindowsHook SetWindowsHookEx UnhookWindowsHook UnhookWindowsHookEx CallNextHookEx DefHookProc CallMsgFilter
<b>Communications</b>	OpenComm CloseComm ReadComm WriteComm SetCommState GetCommState GetCommError TransmitCommChar SetCommEventMask GetCommEventMask SetCommBreak ClearCommBreak UngetCommChar BuildCommDCB EscapeCommFunction FlushComm EnableCommNotification
<b>Networking (WNet)</b>	WNetErrorText WNetOpenJob WNetCloseJob WNetAbortJob WNetHoldJob WNetReleaseJob WNetCancelJob WNetSetJobCopies WNetWatchQueue WNetUnwatchQueue WNetLockQueueData WNetUnlockQueueData WNetGetConnection WNetGetCaps WNetDeviceMode WNetBrowseDialog WNetGetUser WNetAddConnection WNetCancelConnection WNetGetError WNetGetErrorText WNetEnable WNetDisable WNetRestoreConnection WNetWriteJob WNetConnectDialog WNetDisconnectDialog WNetConnectionDialog WNetViewQueueDialog WNetPropertyDialog WNetGetDirectoryType WNetDirectoryNotify WNetGetPropertyText
<b>System Information</b>	GetSystemMetrics GetSysColor SetSysColors SystemParametersInfo GetFreeSystemResources GetSystemDebugState GetDoubleClickTime SetDoubleClickTime SwapMouseButton GetKeyState GetAsyncKeyState GetKeyboardState SetKeyboardState mouse_event GetMouseEventProc EnableHardwareInput IsUserIdle LockInput MessageBeep WinHelp
<b>Window Classes</b>	RegisterClass RegisterClassEx UnregisterClass GetClassInfo GetClassInfoEx GetClassWord SetClassWord GetClassLong SetClassLong GetClassName
<b>Window Properties</b>	SetProp GetProp RemoveProp EnumProps
<b>MDI Support</b>	DefFrameProc DefMDIChildProc TranslateMDISysAccel
<b>Drivers</b>	OpenDriver CloseDriver SendDriverMessage GetDriverModuleHandle GetDriverInfo GetNextDriver DefDriverProc
<b>Miscellaneous</b>	InitApp ExitWindows ExitWindowsExec OLDEXITWINDOWS BEAR11 BEAR86 BEAR182 UserSeeUserDo OldSetDeskPattern SetRect SetRectEmpty CopyRect IsRectEmpty PtInRect OffsetRect InflateRect IntersectRect UnionRect EqualRect SubtractRect

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