

VBSTR: Visual Basic Aid and Information DLL
Version 0.02
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About VBSTR:

VBSTR is a Visual Basic utility DLL designed to make the Windows API a little friendlier by providing translation functions from API string types to Visual Basic string types. In addition, disk utilities are provided to retrieve the type of disk drive and the number of bytes available and free on a given disk. Window enumeration functions are also provided as callbacks are not directly available from Visual Basic. Listed below are the functions available to a Visual Basic programmer from using this DLL.

The author may be reached on the following service:

America Online: Email to **PCA MarkG**

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Declare Function VBGetWindowText\$ lib "vbstr.dll" (ByVal win%)

Remarks:

Retrieves the title text from a window specified by the handle passed through **win%**.

Example:

```
t$ = VBGetWindowText( Form1.hWnd )
```

See Also: [VBGetClassName](#), [VBEnumWindows](#), [VBEnumChildWindows](#)

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Declare Function VBGetClassName\$ lib "vbstr.dll" (ByVal win%)

Remarks:

Retrieves the class name of a specified window passed through **win%**.

Example:

```
t$ = VBGetClassName( Form1.hWnd )
```

See Also: [VBGetWindowText](#)

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Declare Function VBGetWindowsDirectory\$ lib "vbstr.dll" ()

Remarks:

Retrieves the "home" directory of the Windows system currently running. Commonly, this is "DRIVE:\WINDOWS".

Example:

```
t$ = VBGetWindowsDirectory()
```

See Also: [VBGetSystemDirectory](#)

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Declare Function VBGetSystemDirectory\$ lib "vbstr.dll" ()

Remarks:

Retrieves the "home" directory of the currently running Window's System files. Commonly, this is "**DRIVE:\WINDOWS\SYSTEM**".

Example:

t\$ = VBGetSystemDirectory()

See Also: [VBGetWindowsDirectory](#)

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Declare Function VBGetProfileString\$ lib "vbstr.dll" (ByVal Section\$, ByVal Entry\$)

Remarks:

Retrieves a text string associated with an **Entry** within a **Section** of the WIN.INI file.

Example:

```
t$ = VBGetProfileString( "Windows", "Programs" )
```

See Also: [VBGetPrivateProfileString](#)

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**Declare Function VBGetPrivateProfileString\$ lib "vbstr.dll" (ByVal Section\$, ByVal Entry\$,
ByVal Filename\$)**

Remarks:

Retrieves a text string associated with an Entry within a Section of a specified INI file,
such as PROGMAN.INI

Example:

t\$ = **VBGetPrivateProfileString**("Settings", "Order", "PROGMAN.INI")

See Also: [VBGetProfileString](#)

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Declare Function VBGetModuleFileName\$ lib "vbstr.dll" (ByVal hModHandle%)

Remarks:

Retrieves the filename associated with a running task.

Example:

t\$ = **VBGetModuleFileName**(GetModuleHandle("USER"))

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Declare Function VBGetClipboardText\$ lib "vbstr.dll" (ByVal hFormWin%)

Remarks:

Retrieves any text present in the Windows Clipboard. If none is available, an empty string with a length of ZERO is returned.

Examples:

t\$ = VBGetClipboardText(Form1.hWnd)

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Declare Function VBGetFreeDiskSpace& lib "vbstr.dll" (ByVal drive%)

Remarks:

Returns a LONG integer value of the number of free bytes on a specified disk. Drives are specified as **0=default, 1=A:, 2=B:** and so on. If an error occurs, a value of **-1** is returned since 0 is a valid number if the disk is empty.

Example:

sp& = **VBGetFreeDiskSpace**(3)

See Also: [VBGetTotalDiskSpace](#), [VBGetDiskDriveType](#)

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Declare Function VBGetTotalDiskSpace& lib "vbstr.dll" (ByVal drive%)

Remarks:

Returns the total number of bytes on a disk including free and used bytes. If an error occurs, -1 is returned since 0 is a valid size.

Example:

d& = VBGetTotalDiskSpace(3)

See Also: [VBGetFreeDiskSpace](#), [VBGetDiskDriveType](#)

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**Declare Function VBMakePath\$ Lib "vbstr.dll" (ByVal IpDrive\$, ByVal IpDir\$, ByVal IpFname\$,
ByVal IpExt\$)**

Remarks:

Constructs a complete pathname from the parts passed to the function. If any part is a NULL value or an empty string, it is ignored.

Example:

```
t$ = VBMakePath( "C", "\WINDOWS", "WIN", "COM" )
```

See Also: [VBFullPath](#)

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Declare Function VBFullPath\$ Lib "vbstr.dll" (ByVal PathPath\$)

Remarks:

Takes a partial file pathname and constructs a complete name, if possible. If an error occurs, an empty (zero length) string is returned.

Example:

```
t$ = VBFullPath( "win.com" )
```

See Also: [VBMakePath](#)

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Declare Function VBGetDiskDriveType% Lib "vbstr.dll" (ByVal DriveNum%)

Remarks:

Returns the type of drive being queried. Possible return values are: **1 = 360K**, **2 = 1.2M**, **3 = 720K**, **4 = 1.44M** Any other number is undefined.

Example:

type% = **VBGetDiskDriveType**(0)

See Also: [VBGetFreeDiskSpace](#), [VBGetTotalDiskSpace](#)

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Declare Function VBEnumWindows% Lib "vbdll.dll" (ByVal iNum%)

Remarks:

If **iNum%** is **-1**, the total number of windows available is returned from the this function. If **iNum%** refers to a valid window according to the window count (**-1**), then a window handle is returned as found in the window enumeration.

Example:

```
count% = VBEnumWindows( -1 )
for i% = 1 to count%
    t$ = VBGetWindowText( VBEnumWindows( i% ) )
next i%
```

See Also: [VBEnumChildWindows](#), [VBEnumTaskWindows](#)

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Declare Function VBEnumChildWindows% Lib "vbdll.dll" (ByVal win%, ByVal iNum%)

Remarks:

If **iNum%** is **-1**, the number of child windows available from the parent specified in the **win%** parameter is returned. If **iNum%** refers to a valid window according to the window count (**-1**), then a window handle is returned.

Example:

```
win% = FindWindow( "PROGMAN", 0 )
if win% <> 0 then
    count% = VBEnumChildWindows( win%, -1 )
    if count% > 0 then
        for i% = 1 to count%
            newwin% = VBEnumChildWindows( win%, i% )
        next i%
    endif
endif
```

See Also: [VBEnumWindows](#), [VBEnumTaskWindows](#)

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Declare Function VBEnumTaskWindows% Lib "vbdll.dll" (ByVal hTask%, ByVal iNum%)

Remarks:

If **iNum%** is **-1**, the number of windows owned by the specified task passed as **hTask%** is returned. If **iNum%** refers to a valid window according to the window count (**-1**), then a window handle is returned.

Example:

```
hTask% = GetCurrentTask()
if hTask% <> 0 then
    count% = VBEnumTaskWindows( hTask%, -1 )
    if count% > 0 then
        for i% = 1 to count%
            newtask% = VBEnumTaskWindows( hTask%, i% )
        next i%
    endif
endif
```

See Also: [VBEnumWindows](#), [VBEnumChildWindows](#)

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Declare Function VBGetDOSEnvironment\$ Lib "vbdll.dll" ()

Remarks:

Returns the current DOS environment string, such as **COMSPEC=C:\COMMAND.COM**

Example:

```
t$ = VBGetDOSEnvironment()
```

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Declare Function VBGetMenuString\$ Lib "vbdll.dll" (ByVal hMenu%, ByVal iNum%, ByVal iFlag%)

Remarks:

Returns a string associated with a menu item, the menu specified by the **hMenu%** variable and **iNum** representing either a menu offset or a menu item ID number, depending on the setting of **iFlag%**. If **iFlag% is 0**, **iNum%** is an ID number and if **iFlag% is 1024**, **iNum%** is an offset.

Example:

```
win% = FindWindow( "PROGMAN", 0 )
if win% <> 0 then
    hMenu% = GetMenu( win% )
    if hMenu% <> 0 then
        t$ = VBGetMenuString( hMenu%, 1, 1024 )
    endif
endif
```

See Also: [VBEnumWindows](#), [VBEnumChildWindows](#)

