

## BuildOSVersionString\$

Simple example of compiling a descriptive string of the OS version.

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- Here are a couple functions for putting together an OS version string. I originally started with the GetOSVersionInfo function, then wrote BuildOSVersionString\$ to convert the numbers returned by the former into a string like "Windows XP 5.1.2600 Service Pack 2". There's probably an API call to do this exact same thing, but the original focus was actually the GetOSVersionInfo() function.

```
print BuildOSVersionString$()
end

function BuildOSVersionString$()
    success = GetOSVersionInfo(major, minor, build, platform, csdv$)

    if (success) then
        win$      = "Windows "
        platfrm$ = str$(platform)
        major$    = str$(major) + "."
        minor$    = str$(minor) + "."
        build$   = str$(build) + " "

        if (major = 6) then
            os$ = "Vista or Server " + chr$(34) + "Longhorn" +
chr$(34)
        else
            select case (minor)
                case (0)
                    if (major = 5) then os$ = "2000"
                    if (major = 4) then os$ = word$("95 NT", platform)

                case (1)
                    os$ = "XP"

                case (2)
                    os$ =

"Server 2003, Server 2003 R2, or XP Professional x64 Edition"

                case (10)
                    os$ = "98"

                case (90)
                    os$ = "Me"
            end select
    end if
end function
```

```
end if

os$ = os$ + " "
BuildOSVersionString$ = win$ + os$ + major$ + minor$ +
build$ + csdv$
end if
end function

function GetOSVersionInfo(byref majV, byref minV, byref
build, byref plat, byref csdv$)
struct OSVERSIONINFOA,_
dwOSVersionInfoSize as ulong,_
dwMajorVersion      as ulong,_
dwMinorVersion      as ulong,_
dwBuildNumber       as ulong,_
dwPlatformID        as ulong,_
szCSDVersion        as char[128]

OSVERSIONINFOA.dwOSVersionInfoSize.struct = len(
OSVERSIONINFOA.struct)

call dll #kernel32, "GetVersionExA",_
OSVERSIONINFOA      as struct,_
GetOSVersionInfo    as boolean

if (GetOSVersionInfo) then
majV      = OSVERSIONINFOA.dwMajorVersion.struct
minV      = OSVERSIONINFOA.dwMinorVersion.struct
build     = OSVERSIONINFOA.dwBuildNumber.struct
plat      = OSVERSIONINFOA.dwPlatformID.struct
csdv$    = OSVERSIONINFOA.szCSDVersion.struct
end if
end function
```