



# Get Windows Version

## How to get the Windows Version from the System Registry

The Windows version is stored in the registry key: **HKLM\SOFTWARE\Microsoft\Windows NT\CurrentVersion**

The value **CurrentVersion** contains the version number as string(!):

Version Number:	Operating System:
5.0	Windows 2000
5.1	Windows XP
5.2	Windows XP 64bit
5.2	Windows Server 2003 / R2
6.0	Windows Vista / Windows Server 2008
6.1	Windows 7 / Windows Server 2008 R2
6.2	Windows 8 / Windows Server 2012
6.3	Windows 8.1 / Windows Server 2012 R2
10.0	Windows 10 (Preview)

The value **ProductName** contains the system name, e.g. "Windows 8.1"



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## Helper function to read a string value from the registry:

```
CString GetStringFromReg(HKEY keyParent, CString keyName, CString keyValName)
{
    CRegKey key;
    CString out;
    if (key.Open(keyParent, keyName, KEY_READ) == ERROR_SUCCESS)
    {
        ULONG len=256;
        key.QueryStringValue(keyValName, out.GetBuffer(256), &len);
        out.ReleaseBuffer();
        key.Close();
    }
    return out;
}
```

## Get the OS version (e.g. "6.3")

```
CString osversion = GetStringFromReg(HKEY_LOCAL_MACHINE, L"SOFTWARE\\Microsoft\\Windows NT\\CurrentVersion", L"CurrentVersion");
```

## Get the OS name (e.g. "Windows 8.1")

```
CString osname = GetStringFromReg(HKEY_LOCAL_MACHINE, L"SOFTWARE\\Microsoft\\Windows NT\\CurrentVersion", L"ProductName");
```



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