

Forum: [Hack Forums](#)

Thread: [Get Unique ID \(Like HWID\) Not using WMI](#)

ubbelol - June 14, 2011, 4:35 am

Here's a neat function I made to retrieve an unique ID for every computer.. The only difference from most of the others is that this doesn't use WMI to retrieve it.

Here you go:

```
Code private string GetUID()
{
    StringBuilder strB = new StringBuilder();
    Guid G = new Guid(); HidD_GetHidGuid(ref G);

    strB.Append(Convert.ToString(G));

    IntPtr IHWInfoPtr = Marshal.AllocHGlobal(123); HWProfile IProfile = new HWProfile();
    Marshal.StructureToPtr(IProfile, IHWInfoPtr, false);

    if (GetCurrentHwProfile(IHWInfoPtr))
    {
        Marshal.PtrToStructure(IHWInfoPtr, IProfile);
        strB.Append(IProfile.szHwProfileGuid.Trim(new char[] { '{', '}' }));
    }
    Marshal.FreeHGlobal(IHWInfoPtr);

    SHA256CryptoServiceProvider SHA256 = new SHA256CryptoServiceProvider();
    byte[] B = Encoding.Default.GetBytes(strB.ToString());

    string outStr = BitConverter.ToString(SHA256.ComputeHash(B)).Replace("-", null);

    for(int i = 0; i < 64; i++)
    if (i % 16 == 0 && i != 0)
    outStr = outStr.Insert(i, "-");

    return outStr;
}
```

APIs & struct:

```
Code [DllImport("hid.dll")]
private static extern void HidD_GetHidGuid(ref Guid GUID);

[DllImport("advapi32.dll", SetLastError = true)]
static extern bool GetCurrentHwProfile(IntPtr fProfile);

[StructLayout(LayoutKind.Sequential)]
class HWProfile
{
    public Int32 dwDockInfo;
```

```
[MarshalAs(UnmanagedType.ByValTStr, SizeConst = 39)]
public string szHwProfileGuid;
[MarshalAs(UnmanagedType.ByValTStr, SizeConst = 80)]
public string szHwProfileName;
}
```

christiano - June 14, 2011, 4:46 am

Nice work man

Thanks a lot :)

ra1d - June 14, 2011, 4:57 am

Nice job dude ;)

Added it to my thread: <https://hackforums.net/showthread.php?tid=1350578>

ubbelol - June 14, 2011, 5:25 am

(Jun 14, 2011 04:57 AM)Rand0m™ Wrote: [\[CITE\]](#) Nice job dude ;)

Added it to my thread: <https://hackforums.net/showthread.php?tid=1350578>

Cool. :) Don't know how much people will learn that much from this but okay.

tflo - June 16, 2011, 12:31 am

Thanks a lot! On average this is 100ms faster then HWID (in my own case), tested in my program [DataVault](#).

Thought I should post some pictures:

HWID

UID

netw0rk tr0jan - June 16, 2011, 12:44 am

very nice man....thanks a lot

Venom Page - June 16, 2011, 1:12 am

Don't use P/Invoke, it requires some ... uhm specific permissions.?

ubbelol - June 16, 2011, 1:48 am

(Jun 16, 2011 12:31 AM)TylerFlo Wrote: [\[CITE\]](#) Thanks a lot! On average this is 100ms faster then HWID (in my own case), tested in my program [DataVault](#).

Thought I should post some pictures:

HWID

UID

Well WMI is pretty slow. :P