

## Re: Win32\_NetworkConnection returns empty

**Source:**

<http://www.tech-archive.net/Archive/Development/microsoft.public.win32.programmer.wmi/2004-10/0259.html>

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**Date:** 10/27/04

Date: Tue, 26 Oct 2004 20:31:01 -0700

Thanks for your reply.

I am using IPEnabled property of Win32\_NetworkAdapterConfiguration to find out the connectivity to network . Your alternatives are for 2000 , XP and above but Win32\_NetworkAdapterConfiguration.IPEnabled works fine for NT and 2000 . Is it a valid alternative ?

"Torgeir Bakken (MVP)" wrote:

> *Dharani Babu S wrote:*

>

> > *Hi all*

> > *I am trying to find out whether a system is connected to network or not . So*

> > *I thought ConnectionState property of Win32\_NetworkConnection will give me*

> > *the status of the system . But when I executed the ExecQuery( "select \* from*

> > *Win32\_NetworkConnection " or "select ConnectionState from*

> > *Win32\_NetworkConnection ") it returns with no values . It does not return*

> > *NULL also . Could anyone point to me the problem ? and is*

> > *Win32\_NetworkConnection the right class to find out the presence of a system*

> > *in a network ?*

> *Hi*

>

> *Note that Win32\_NetworkConnection only represents mapped drives, and*

> *not if your system is connected to a network or not.*

>

> *Some alternatives maybe:*

>

>

> *Windows XP and beyond:*

>

> '-----8<-----'

> *sComputerName = "." ' Use "." for local computer*

> *Set oWMIService = GetObject("winmgmts:\"" & sComputerName & "\root\cimv2")*

>

> *For Each oAdapter In oWMIService.InstancesOf("Win32\_NetworkAdapter")*

> *If oAdapter.NetConnectionStatus = 2 Then*

> *WScript.Echo "Network connection """" & oAdapter.NetConnectionID \_*

> *& """" is connected"*

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> End If
> Next
> '-----8<-----
>
>
>
> Windows 2000 and beyond:
>
> '-----8<-----
> sComputerName = "." ' Use "." for local computer
>
> Set oWMIService = GetObject("winmgmts:\"" & sComputerName & "\"root\wmi")
> Set oNicCollection = oWMIService.InstancesOf("MSNdis_MediaConnectStatus")
>
> For Each oNic In oNicCollection
> If oNic.NdisMediaConnectStatus = 0 Then
> sNicStatus = "connected"
> Elseif oNic.NdisMediaConnectStatus = 1 Then
> sNicStatus = "disconnected"
> Else
> sNicStatus = "unknown"
> End If
>
> WScript.Echo "Status of " & oNic.InstanceName & ": " & sNicStatus
> Next
> '-----8<-----
>
>
> --
> torgeir, Microsoft MVP Scripting and WMI, Porsgrunn Norway
> Administration scripting examples and an ONLINE version of
> the 1328 page Scripting Guide:
> http://www.microsoft.com/technet/scriptcenter/default.aspx
>
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