

Re: Win32_NetworkConnection returns empty

Source:

<http://www.tech-archive.net/Archive/Development/microsoft.public.win32.programmer.wmi/2004-10/0249.html>

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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 tome 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"
```

```
  End If
```

```
Next
```

```
'-----8<-----
```

Windows 2000 and beyond:

```
'-----8<-----
```

```
sComputerName = "." ' Use "." for local computer
```

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```
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.mspx
```