

Re: Howto Tell if WiFi is connected

Source:

<http://www.tech-archive.net/Archive/WindowsCE/microsoft.public.windowsce.embedded/2005-06/msg00157.html>

- *From:* "remco" <whybcuzREMOVE@xxxxxxxxxxxxxx>
 - *Date:* Mon, 27 Jun 2005 21:50:41 -0400
-

"Guy Winslow" <guywin@xxxxxxxxxxxxxx> wrote in message
<news:%23NE3820eFHA.584@xxxxxxxxxxxxxxxxxxxxxxxxxxxxxx>

- > We have a situation where we need to get web page from server when device is
- > turned on. But WiFi card is not connected and Wininet.dll thinks everything
- > is copasetic till it tries to get the page. Have tried suggestion from
- > Televideo (TeleCLIENT), witch is to look for driver then see if we have
- > valid IP, but this tends to plow out the Wininet.dll when the system is
- > still coming up. More then likely do to the fact you have to call IOCTL
- > wall network is connection. Tried Microsoft suggestion with is to look for
- > not connected, but only works for wired network connection. So has any one
- > been able to salve this in a manner that do's not blow out any network stack
- > parts or Wininet.dll?
- >

I've done it on a wired connected with a DeviceIoControl using IOCTL_NDISUIO_QUERY_OID_VALUE as the IO control value. It returns the connect status. I was just interested if a carrier was present, not so much if there was an internet connection present.

If you need more info, let me know -- I'll have to dig around for some example code, though.

Remco

- >
- >
- > Here is current code snippet solution that only works with wired connection:

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```
>
>
>
> BOOL IsConnected(WCHAR *szURL)
> {
>     DWORD iflags = 0;
>
>     InternetGetConnectedState(&iflags , 0);
>     if(0 != (iflags & INTERNET_CONNECTION_CONFIGURED))
>     {
>         SetGlobalOffline(false);
>         if(0 != InternetCheckConnection(szURL, FLAG_ICC_FORCE_CONNECTION, 0))
>         return true;
>     }
>     return false;
> }
>
> void SetGlobalOffline(BOOL fGoOffline)
> {
>     INTERNET_CONNECTED_INFO ci;
>
>     memset(&ci, 0, sizeof(ci));
>     if(fGoOffline)
>     {
>         ci.dwConnectedState = INTERNET_STATE_DISCONNECTED_BY_USER;
>         ci.dwFlags = ISO_FORCE_DISCONNECTED;
>     }
>     else
>     {
>         ci.dwConnectedState = INTERNET_STATE_CONNECTED;
>     }
>
>     InternetSetOption(NULL, INTERNET_OPTION_CONNECTED_STATE, &ci,
>     sizeof(ci));
> }
>
> Note – this works with wired connection but not with WiFi card. Have
> searched news groups and internet and found lots of other people with
> similar problem.
>
>
> ---
> Class Guy Winslow
> {
> public:
>     WINcontrols
>     H: 925-606-1091
>     M: 925-922-0222
>     gdwinslow@xxxxxxxxxxxxxxxxx
> };
>
```

>

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- **Follow-Ups:**

- ◆ **Re: Howto Tell if WiFi is connected**

- ◇ From: gdwinslow

- **References:**

- ◆ **Howto Tell if WiFi is connected**

- ◇ From: Guy Winslow

- Prev by Date: **Re: BlueTooth support under CE 5.0**

- Next by Date: **Is there any video capture/ frame grab hardware with Windows CE.Net-compatible drivers?**

- Previous by thread: **Howto Tell if WiFi is connected**

- Next by thread: **Re: Howto Tell if WiFi is connected**

- Index(es):

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