

Re: OpenNETCF SetWirelessSettings

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<http://www.tech-archive.net/Archive/DotNet/microsoft.public.dotnet.framework.compactframework/2007-05/msg000>

- *From:* "Paul G. Tobey [eMVP]" <p space tobey no spam AT no instrument no spam DOT com>
 - *Date:* Thu, 3 May 2007 08:38:46 -0700
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OK, that's the wrong method of getting the key. That's five characters that you've got there, not 10. The characters are ASCII 11(hex), 48(hex), bc(hex), 46(hex), and 67(hex). If you use the byte array version of the SetWirelessSettings call, passing { 0x11, 0x48, 0xbc, 0x46, 0x67 }, you should get the same thing as when you enter that string in the UI. It's just a matter of you not extracting the bytes for the key the same way as the WZC UI is doing it.

ActiveSync wants to be sure that you aren't connected via WiFi or GPRS or something similar to the local coffee shop while you are also connected via USB to your PC. That could potentially create a path for bad guys/programs to travel from a public network (Starbucks), into your corporate network via the ActiveSync connection.

Paul T.

"Andy Baker" <abaker@xxxxxxxxxxxxxxxxxxxx> wrote in message
[news:4639a163\\$0\\$8755\\$ed2619ec@xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx](news:4639a163$0$8755$ed2619ec@xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx)

Hello Paul.

The WEP key that I enter at the WZC dialog is "1148BC4667". If I use Encoding.Unicode.GetBytes("1148BC4667") to create a byte array, I get a 20 character array (49, 0, 49, 0, 52, 0, 56, 0, 66, 0, 67, 0, 52, 0, 54, 0, 54, 0, 55, 0). This doesn't connect. However I tried it again by passing the string directly, and it worked. I was getting confused when it didn't work previously when passing an empty string to connect to the non-wep enabled printer. However, if I use the byte array form and pass (byte[]) null to connect to the printer, that works. So, if I use the 2 different forms of SetWirelessSettings for each different case, I can switch between them OK. Possibly it would also work if I passed null instead of an empty string - I have not tried that yet.

I do have one more question. The device will be connected to the printer most of the time, and only use the LAN at the start at end of the day. For this reason I tried to disconnect to the LAN as soon as I had finished using it, by using UnbindAdapter. However when connected via USB to the device from my desktop, I lost the connection, and when looking in Start -> Networking and Dial-Up connections, the WiFi adapter was no

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longer present and I had to reset the device to get it back. Is this normal behaviour? I can disconnect from the LAN simply by reconnecting to the printer and don't need to use UnbindAdapter, I was just concerned that there might be something more seriously wrong.
Thanks for your help.

Andy Baker

"Paul G. Tobey [eMVP]" <p space tobey no spam AT no instrument no spam DOT com> wrote in message news:eI4R1NNjHHA.4676@xxxxxxxxxxxxxxxxxxxxxxxxxxxxxx

I then try from my application which uses SetWirelessSettings. When I try to connect to the LAN, I am passing the WEP key as a byte array, using Encoding.Unicode.GetBytes(WEPKey), where WEPKey is my 8 character hex string.

"8 character hex string" sounds like something along the lines of "652f7542". Is that what you're passing? I think that the right thing is to actually tell us what the WEP key you enter at the WZC dialog is and what you are passing when you try to connect from your code. I think you're just mapping one into the other incorrectly.