

## Re: Problem When Calling Web Method Of Web Service From Pocket PC 2003.

**Source:**

<http://www.tech-archive.net/Archive/DotNet/microsoft.public.dotnet.framework.compactframework/2004-12/0907.htm>

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**From:** Alex Feinman [MVP] ([public\\_news\\_at\\_alexfeinman.com](mailto:public_news_at_alexfeinman.com))

**Date:** 12/15/04

Date: Tue, 14 Dec 2004 21:01:47 -0800

That's good to know. I've heard about it but never tried it myself

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Alex Feinman

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Visit <http://www.opennetcf.org>

"Stephany Young" <noone@localhost> wrote in message  
news:OG6ZVf14EHA.1204@TK2MSFTNGP10.phx.gbl...

> Thank you again Alex.

>

> I tried another search at MS using a keyword combination I hadn't tried  
> before and located a document that definitely states, as you say, that  
> NTLM Authentication is not supported in the CF. However another document  
> states that Digest Authentication is supported.

>

> Now that I have changed the Web site and Web Service to use Digest  
> Authentication, both the desktop and Pocket PC 2003 apps work quite  
> happily both across the LAN and over the internet.

>

>

> "Alex Feinman [MVP]" <public\_news@alexfeinman.com> wrote in message  
> news:umbiv9k4EHA.2316@TK2MSFTNGP15.phx.gbl...

>> AFAIK it is CF limitation - it does not support NTLM authentication. The  
>> official workaround for your concern regarding opent text password  
>> transmission is to use SSL

>>

>> --

>> Alex Feinman

>> ---

>> Visit <http://www.opennetcf.org>

>> "Stephany Young" <noone@localhost> wrote in message  
>> news:%23%23jm%23Wk4EHA.2452@TK2MSFTNGP14.phx.gbl...

>>> Thank you Alex for taking the time to read my epistle and respond.

>>>

>>> Where I had erred earlier was in not supplying the domain to the  
>>> credential when attempting to use Basic Authentication.

>>>

>>> Both forms:

>>> New NetworkCredential(<user>, <password>, <domain>)

>>> and

>>> New NetworkCredential(<user>@<domain>, <password>)

>>> work quite happily with Basic.

>>>

```
>>> Do you know if this behaviour, (not being able to use Integrated), in
>>> the CF is by design or a 'bug'?
>>>
>>> I assume that is is a CF thing rather than a CE thing because PocketIE
>>> can do it OK, obviously using some other mechanism.
>>>
>>> Although the risk of interception is probably relatively low, I have to
>>> deal with people who, not unreasonably, will probably balk at using
>>> Basic because the password is sent in clear text.
>>>
>>> If this behaviour, (not being able to use Integrated), in the CF is by
>>> design then I will probably look at using Anonymous and passing a
>>> 'roll-your-own' encrypted value as an input parameter to each web method
>>> and have the method determine if the caller is allowed or not.
>>>
>>>
>>> "Alex Feinman [MVP]" <public_news@alexfeinman.com> wrote in message
>>> news:%23fx8Grj4EHA.2876@TK2MSFTNGP12.phx.gbl...
>>>> The CF application will be able to support basic authentication only.
>>>> As for your scenario, do you use a domain or a local account?
>>>> In both cases try constructing your NetworkCredential using this form:
>>>> New NetworkCredential(<user>, <password>, <domain>)
>>>>
>>>> In case of a local computer account, use the computer name in place of
>>>> <domain>
>>>>
>>>> --
>>>> Alex Feinman
>>>> ---
>>>> Visit http://www.opennetcf.org
>>>> "Stephany Young" <noone@localhost> wrote in message
>>>> news:ucWXRvi4EHA.3092@TK2MSFTNGP10.phx.gbl...
>>>>> When the Web site and Web Service application are set to allow
>>>>> Anonymous access, the following code works perfectly when used in both
>>>>> a Desktop application and a Pocket PC 2003 application.
>>>>>
>>>>> Imports System.Net
>>>>> Imports <web reference>
>>>>>
>>>>> Private Sub CallHelloWorld()
>>>>>
>>>>>     Label1.Text = String.Empty
>>>>>
>>>>>     Label1.Update()
>>>>>
>>>>>     Dim _ws As <web service> = New <web service>
>>>>>
>>>>>     Label1.Text = _ws.HelloWorld()
>>>>>
>>>>> End Sub
>>>>>
>>>>>
>>>>> When the Web site and Web Service application are set to allow only
>>>>> Windows Authentication, the following code works perfectly when used
>>>>> in a Desktop application but fails with a 401 (Unauthorized) error when
>>>>> used in a Pocket PC 2003 application.
>>>>> The same behaviour occurs if the Web site is set to allow Anonymous
>>>>> access and the Web Service application is set to allow only Windows
>>>>> Authentication.
>>>>>
>>>>> Imports System.Net
>>>>> Imports <web reference>
```

```

>>>>
>>>> Private Sub CallHelloWorld()
>>>>
>>>>     Label1.Text = String.Empty
>>>>
>>>>     Label1.Update()
>>>>
>>>>     Dim _ws As <web service> = New <web service>
>>>>
>>>>     Dim _nwc As NetworkCredential = New NetworkCredential("<user
>>>> name>@<domain name>", "<password>")
>>>>
>>>>     _ws.Credentials = _cred
>>>>
>>>>     _ws.PreAuthenticate = True
>>>>
>>>>     Label1.Text = _ws.HelloWorld()
>>>>
>>>> End Sub
>>>>
>>>>
>>>> When the Web site and Web Service application are set to allow only
>>>> Basic Authentication, the following code works perfectly when used in
>>>> a Desktop application but fails with a 401 (Unauthorized) error when
>>>> used in a Pocket PC 2003 application.
>>>> The same behaviour occurs if the Web site is set to allow Anonymous
>>>> access and the Web Service application is set to allow only Basic
>>>> Authentication.
>>>>
>>>> Imports System.Net
>>>> Imports <web reference>
>>>>
>>>> Private Sub CallHelloWorld()
>>>>
>>>>     Label1.Text = String.Empty
>>>>
>>>>     Label1.Update()
>>>>
>>>>     Dim _ws As <web service> = New <web service>
>>>>
>>>>     Dim _nwc As NetworkCredential = New NetworkCredential("<user
>>>> name>", "<password>")
>>>>
>>>>     _ws.Credentials = _cred
>>>>
>>>>     _ws.PreAuthenticate = True
>>>>
>>>>     Label1.Text = _ws.HelloWorld()
>>>>
>>>> End Sub
>>>>
>>>>
>>>> In the latter two examples, the behaviour is the same if the
>>>> '_ws.PreAuthenticate = True' line is removed.
>>>>
>>>> In all examples, the behaviour is the same regardless of whether the
>>>> Web Service is accessed from the Internet or the LAN.
>>>> No proxy servers are involved.
>>>>
>>>> To confuse the whole issue, accessing the Web service and Web method
>>>> work perfectly from PocketIE on the Pocket PC both from the LAN and
>>>> from the Internet.
>>>>
>>>>

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