

## 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/2004-12/0897.htm>

---

**From:** Stephany Young (*noone\_at\_localhost*)

**Date:** 12/15/04

Date: Wed, 15 Dec 2004 14:31:02 +1300

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.
>>
>> I suspect that the use of the NetworkCredential class might be deprecated
>> in the CompactFramework or that there might be, (god forbid), a 'bug' in
>> the CompactFramework with the effect being that the details from the
```

>> *NetworkCredential* objects are not passed correctly in the call to the Web  
>> *method*.  
>>  
>> *The Web Server is IIS 6.0 running on Windows Server 2003.*  
>> *The Pocket PC has SP2 of the Compact Framework applied.*  
>>  
>> *Can anyone definitely confirm that this is the case, and, if so, has*  
>> *anyone come up with a reliable workaround?*  
>>  
>>  
>  
>