

RE: Problems with security requirements in Windows WorkGroups.

Source:

<http://www.tech-archive.net/Archive/DotNet/microsoft.public.dotnet.languages.csharp/2008-03/msg00701.html>

- *From:* womin <vt_supervisor@xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx>
 - *Date:* Thu, 6 Mar 2008 08:57:02 -0800
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Hello Steven, first of all, thank you for your quick answer.

Yes, of course I have a security error as you can read in the error message I obtain:

"A remote side security requirement was not fulfilled during authentication. Try increase the ProtectionLevel and/or ImpersonationLevel".

(No Inner Exception is thrown)

I can give you some code generated for the error purpose. It consists in a small chat application between a client (ChatClient) and a server (ChatServer). By the way, how should I send you the code? I can not find a way in my web news interface... :(

I am executing the example in two machines with Windows XP, the same users and passwords in both machines and belonging to a WorkGroup.

When I try to use the TCP channel I get the error (with NO inner exception messages) I have written above.

Thanks again and regards,

Domingo.

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Domingo López.
Software Engineer & Project Manager.
Visual Tools.

""Steven Cheng"" wrote:

Hi Domingo,

From your description, I got that you're encountering some security error

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when using .net remoting to communicate between client , server application, correct?

Based on my experience, this general error message could be caused by many things such as user identity not supplied, or the client and server channel's security setting not match.....

As for the error, what's the innerException, generally the inner exception may provide some further information. Also, for non-domain machines that need to communicate under windows authentication, you need to use a duplicated account(with same username/password) on both sides. If convenient, you can try creating a simplified client/server project pair(with a very simple remoting class) to demonstrate the problem. And you can send me the package so that I can also perform some tests on my side.

Sincerely,

Steven Cheng

Microsoft MSDN Online Support Lead

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RE: Problems with security requirements in Windows WorkGroups.

From: =?Utf-8?B?d29taW4=?=
<vt_supervisor@xxxxxxxxxxxxxxxxxxxxxxxxxxxx>
Subject: Problems with security requirements in Windows WorkGroups.
Date: Wed, 5 Mar 2008 07:21:03 -0800

Hello everybody,

I have a .NET C# client-server application that is being used in two machines with Windows XP installed. Both the client and the server are executed into users of a Work Group.

I am using .NET Remoting to connect the client and the server with a TCP channel. The registration of the channel is made by using the following

code:

```
"ChannelServices.RegisterChannel(channel, true);"
```

Where "channel" is a TCP channel. The ensureSecurity option is set to

"true"

in order to ensure the channel encryption.

Both the client and sever must send objects to each other (usually using a proxy).

The problem is, although this environment works well in most of the cases,

I

have an example where I obtain the following error text when the server

tries

to access the client proxy (the error is displayed in the client):

```
"A remote side security requirement was not fulfilled during
```

authentication.

```
Try increase the ProtectionLevel and/or ImpersonationLevel".
```

It is important to remark that the (.NET Remoting) proxies have right permissions when accessing the server from the client.

After that, I have proved making the following change to the TCP channel:

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```
"ChannelServices.RegisterChannel(channel, false);"
```

That is, setting "false" the ensureSecurity option. So this means (as the Microsoft documentation says) that the channel will be encrypted only in

case

it is possible. So in this case the error is resolved because although the server does not have the proper client credentials, the channel will not

be

encrypted.

Finally, my question: I mandatory need to ensure the encryption of the channel, and I need to know which could be the problem with the

impersonation

and credentials in the wrong example. Is it machine configuration

dependant?

Which is the reason for having two environment apparently identical

(Windows

XP, WorkGroup, same users) but with different behaviors?

Could you please give me some help about my problem?

Thanks a lot in advance.

Regards,

Domingo.

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Domingo LÃ³pez.
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Visual Tools.