

# Re: vs 2005 – web reference issue

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*Source:*

<http://www.tech-archive.net/Archive/VisualStudio/microsoft.public.vsnnet.ide/2006-08/msg00118.html>

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- *From:* <param@xxxxxxxxxxxxxxxxxxxx>
  - *Date:* Wed, 16 Aug 2006 22:46:02 -0500
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Steve, everything you have below is correct. I will file the bug report soon.

TIA!

"Steven Cheng[MSFT]" <stcheng@xxxxxxxxxxxxxxxxxxxx> wrote in message <news:7joqyPOwGHA.3028@xxxxxxxxxxxxxxxxxxxxxxxx>

Hi Param,

From your description, you're encountering a "Unable to cast COM object of type 'System.\_\_ComObject' to interface type ..." error when try add a webreference against a webservice which is protected by authentication, correct?

According to processing steps you mentioned, I've performed some local tests and did reproduce the same problem behavior, here is my test steps and results:

1. Set up a webservice project which require authentication(basic or integrated windows) and disable anonymous. When adding reference to one asmx endpoint in this project in a client VS 2005 project, it prompt for username/password credential, after enter the credentials, the proxy is generated correctly.
2. After #1, try adding web reference against another asmx endpoint in the same project, this time the service description panel in the right side of the dialog didn't provide webservice information, but report the following error:

```
=====
Unable to cast COM object of type 'System.__ComObject' to interface type
'EnvDTE.IVsExtensibility'. This operation failed because the
QueryInterface
call on the COM component for the interface with IID
'{3C536122-57B1-46DE-AB34-ACC524140093}' failed due to the following
error:
```

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No such interface supported (Exception from HRESULT: 0x80004002  
(E\_NOINTERFACE)

=====

Is this the exact behavior you met?

Also, I've tried some other tests and found that:

1. The problem is specific to Visual Studio 2005's design-time IDE components since I can use the "wsdl.exe" utility to create the webservice proxy externally correctly in command line.
2. The problem is specific to the webservice which require client user to provide credentials , and will prompt credentials input dialog when visit the WSDL document page through web browser. If we enable "anonymous access" in the IIS server, the problems also goes away.

Regarding on this behavior, I've checked our internal product database and did found some records describing the same issue on this and an internal bug entry has been reported(by some other engineers). Here is some available workarounds of this issue:

1. Instead of directly navigate to the webservice's WSDL page (xxx.asmx?WSDL), we first view the document page in a webbrowser and save the WSDL document into a local xml file (xxx.wsdl) on file disk. Then, we can add web reference against that local xml file in Visual studio 2005
2. Instead of using Visual Studio 2005 "add web reference" menu, we can use the .net framework's wsdl.exe utility to generate the proxy from commandline and there is options that for supplying credentials when the service require client authentication. e.g:

```
wsdl.exe /d:servername /u:administrator /p:password01  
/out:myProxyClass.cs  
http://localhost/ASPNET/WebServices/WindowsAuthService/NEWService.asmx?WSDL
```

```
#Web Services Description Language Tool (Wsd.exe)  
http://msdn2.microsoft.com/en-us/library/7h3y5tb6.aspx
```

In addition, I will help reforward this issue to our product team.  
Meanwhile, I found that there is still no record in the public product feedback bug database below:

```
#Visual Studio and .NET Framework Feedback  
http://connect.microsoft.com/feedback/default.aspx?SiteID=210
```

I would recommend you also file a bug report in the above site(with the

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above information) so that our product team can also hear this from the community and make it at a higher priority issue.

If there is any other information you wonder, please feel free to let me know.

Thanks for your understanding!

Sincerely,

Steven Cheng

Microsoft MSDN Online Support Lead

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