

RE: simulating asp.net impersonation

Source:

<http://www.tech-archive.net/Archive/DotNet/microsoft.public.dotnet.framework.windowsforms/2005-04/msg00282.h>

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 - *Date:* Thu, 07 Apr 2005 03:02:35 GMT
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Hi TS,

Welcome to MSDN newsgroup.

>From your description, you have a winform app which consumes an ASP.NET webservice. Also you'd like to protect the service from being used by unauthenticated users. So you're currently wondering the best means to let the client winform app attach the proper user's credential, yes?

Based on my experience, the <authorization> schema element in asp.net 's configuration is mainly used by asp.net web application rather than asp.net webservice(though this is also ok which can use to protect the asmx's accessing). And this will depend on the client credential passed from the IIS which do the authentication(basic or integrated windows(NTLM/kerberos...) , webservice doesn't support interactive authentication like Forms authentication). OK, then as for how to provide such credential at clientside:

if you're using the .net generated webservice client proxy class (through VS.NET's add webreference or wsdl.exe tool), we can provide our credential through the proxy class's Credentials property and specify the authentication schema(BASIC , NTLM ...). For example:

```
=====
MyService.MyService ms = new AuthClient.MyService.MyService();

System.Net.NetworkCredential nc = new
System.Net.NetworkCredential("username","password","domainname");

System.Net.CredentialCache cc = new System.Net.CredentialCache();
cc.Add(new Uri(ms.Url),"NTLM",nc);

ms.Credentials = cc;

ms.Execute("dfdsfds");
=====
```

In addition, we can also use the SoapHeader in the webservice's SOAP

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Message to contain our custom authentication info. This is a good approach if we don't want to rely on the IIS's authentication support. However since the SOAP message is plain XML text, we need to encrypt the credential info (soapHeader) if we use this means.

Here is the MSDN reference which has mentioned all the general authentication means for asp.net webservice, I think it'll be helpful to you:

#Securing XML Web Services Created Using ASP.NET
<http://msdn.microsoft.com/library/en-us/cpguide/html/cpconsecuringaspnetwebservices.asp?frame=true>

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• **References:**

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