

# Forum: Web Services

## Topic: Problem with .Net/WebMethods Integration

Problem with .Net/WebMethods Integration	7 Replies
by: zaleta.10762 on: 30-Aug-2002 7:08 PM	Last Post by: mendibrent.33955 on: 14-Feb-2005 4:20 PM

I was trying to use a WebMethods WebService from .Net and I keep throwing an exception in the logs that looks like this. If I set the permissions to Anonymous then everything is great, but if I set it to Administrator then I get this error:

```
2002-08-30 14:14:18 PDT [B2BSERV.0088.9134] Exception occurred while
processing the body of the message
at wm.server.soap.rpc(soap.java:332)
at java.lang.reflect.Method.invoke(Native Method)
at com.wm.app.b2b.server.JavaService.baseInvoke(JavaService.java:281)
at com.wm.app.b2b.server.ServiceManager.invoke(ServiceManager.java:688)
at com.wm.app.b2b.server.ServiceManager.invoke(ServiceManager.java:480)
at com.wm.app.b2b.server.HTTPSOAPHandler.process(Unknown Source)
at com.wm.app.b2b.server.HTTPDispatch.run(HTTPDispatch.java:457)
at com.wm.util.pool.PooledThread.run(C:/NT/Perforce/basis/4.1.0-
terra/module/core/source/com/wm/util/pool/PooledThread.java:103)
at java.lang.Thread.run(Thread.java:484)
```

Any ideas?

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RE: Problem with .Net/WebMethods Integration  
by: zaleta.10762 on: 18-Sep-2002 6:09 PM

Well I was able to figure out that .Net WebServices seems to drop the Authorization HTTP header even though you explicitly set it in the code.

My current question? Has anyone been able to make .Net consume a WebMethods web service that requires basic authorization??

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RE: Problem with .Net/WebMethods Integration  
by: fred.hartman.5838 on: 13-Nov-2002 3:43 PM

By default .NET clients do not pass authentication information in the first HTTP packet - they wait for a HTTP auth error and then retry with the auth info.

Soap defines that Soap error returns are 500, so .NET clients aren't understanding the error and re-trying with the auth info.

There is a .NET property to force the auth info to be sent the first time. In VB this property is called something like "setPreauthorization".

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RE: Problem with .Net/WebMethods Integration  
by: cre.6123 on: 31-Jan-2003 11:15 AM

I have tried setting the preauthenticate property to true but the problem remains.

Does someone actually have done it right?  
Or what is the IS patch that solves this problem?

Thanks

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RE: Problem with .Net/WebMethods Integration  
by: fred.hartman.5838 on: 1-Feb-2003 12:22 AM

Insert the following code into your .NOT client.

```
/*  
// The preAuthenticate property is ignored when soap requests are made  
// Paste this code into each web service reference  
// that is generated after importing a WSDL doc. It basically overrides  
// the GetWebRequest and forces it to put authentication into the request  
// if the PreAuthenticate property is set to true.  
//  
// NOTE:  
// 1. This code works for "Basic" authentication. You can modify to work with other  
// security models.  
// 2. Note that if you do this, you don't want to regenerate your web references  
// in VS.NET, or via WSDL.EXE, or you'll need to add this code again. Actually,  
// it's better to just move a customized proxy out of the VS.NET web references folder  
*****/  
protected override System.Net.WebRequest GetWebRequest(Uri uri)  
{  
    System.Net.HttpWebRequest request =  
    (System.Net.HttpWebRequest)base.GetWebRequest(uri);  
    if (this.PreAuthenticate) {  
        System.Net.NetworkCredential nc = this.Credentials.GetCredential(uri, "Basic");  
        if (nc != null) {  
            byte[] credBuf = new System.Text.UTF8Encoding().GetBytes(nc.UserName + ":" +  
            nc.Password);  
            request.Headers["Authorization"] = "Basic " + Convert.ToBase64String(credBuf);  
        }  
    }  
    return request;  
}
```

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RE: Problem with .Net/WebMethods Integration  
by: hoa.nguyen.6358 on: 3-Feb-2003 1:36 PM

The problem seems to be that .NET ignores the PreAuthenticate property. The work around is to add the following method into the web service proxy that is generated after importing the WSDL.

I've pasted the C# code below. If you are using VB you'll need to convert the code. Please repost if you need help doing this.

```
/*  
// The preAuthenticate property is ignored when soap requests are made (MS  
bug???)  
// Paste this code into each web service reference  
// that is generated after importing a WSDL doc. It basically overrides  
// the GetWebRequest and forces it to put authentication into the request  
// if the PreAuthenticate property is set to true.  
//  
// NOTE:  
// 1. This code works for "Basic" authentication. You can modify to work with other  
// security models.  
// 2. Note that if you do this, you don't want to regenerate your web references  
// in VS.NET, or via WSDL.EXE, or you'll need to add this code again. Actually,  
// it's better to just move a customized proxy out of the VS.NET web references folder  
*****/  
protected override System.Net.WebRequest GetWebRequest(Uri uri)  
{  
    System.Net.HttpWebRequest request =  
        (System.Net.HttpWebRequest)base.GetWebRequest(uri);  
    if (this.PreAuthenticate) {  
        System.Net.NetworkCredential nc = this.Credentials.GetCredential(uri,"Basic");  
        if (nc != null) {  
            byte[] credBuf = new System.Text.UTF8Encoding().GetBytes(nc.UserName + ":" +  
                nc.Password);  
            request.Headers["Authorization"] = "Basic " + Convert.ToBase64String(credBuf);  
        }  
    }  
    return request;  
}
```

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RE: Problem with .Net/WebMethods Integration  
by: charles.sewell.8121 on: 3-Feb-2003 3:35 PM

The Basic authentication method works great. For completeness, here is the code that you would need to place in the calling application.

```
objWebService.PreAuthenticate = true;  
objWebService.Credentials = new System.Net.NetworkCredential(wMusername,  
wMpassword);
```

Where objWebService is the .NET reference to the webMethods web service.

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RE: Problem with .Net/WebMethods Integration  
by: mendibrent.33955 on: 14-Feb-2005 4:20 PM

I am still getting the same error msg with above two lines of code, what did I miss?

thanks