

## Re: Authenticate to a webservice by WindowsIdentity

**Source:**

<http://www.tech-archive.net/Archive/DotNet/microsoft.public.dotnet.framework.webservices/2005-01/0501.html>

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**Date:** 01/28/05

Date: Fri, 28 Jan 2005 09:50:17 -0500

Why not use WSE which has rich support for security tokens such as UsernameTokens and SecurityContextTokens?

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William Stacey, MVP

<http://mvp.support.microsoft.com>

<Ray@Alirezaei.com> wrote in message

news:uvDzWyOBFHA.2104@TK2MSFTNGP14.phx.gbl...

> I'd like to feed the output of this method which is of WindowsIdentity Type

> to Webservice in a way.I just wondered if the following statements do the same thing.

> >>>>> 1) rService.Credentials = new

> >>>>> System.Net.NetworkCredential("username", "password", "domainName");

> >>>>> 2)rService.Credentials =

> >>>>> System.Net.CredentialCache.DefaultCredentials;

>

> thanks,

> ALI-R

>

> "Dilip Krishnan" <[dkrishnan@NOSPAM.geniant.com](mailto:dkrishnan@NOSPAM.geniant.com)> wrote in message

> news:229175632424486603471104@msnews.microsoft.com...

> > Hello ALI-R,

> >

> > Not sure I follow what you're trying to achieve... where do you hope to

> > call the Createidentity method?

> > HTH

> > Regards,

> > Dilip Krishnan

> > MCAD, MCSD.net

> > [dkrishnan@geniant.com](mailto:dkrishnan@geniant.com)

> > <http://www.geniant.com>

> >

> >> Thanks ,I think I somehow underestood it.Correct me if I'm wrong

> >> please? Since we have enabled windows integrated authentication in our

> >> web service which is serverd by IIS ,using

> >>

> >>>>> 1) rService.Credentials = new

> >>>>> System.Net.NetworkCredential("username", "password", "domainName");

> >>>>> 2)rService.Credentials =

> >>>>> System.Net.CredentialCache.DefaultCredentials;

> >>>>>

## microsoft.public.dotnet.framework.webservices: Re: Authenticate to a webservice by WindowsIdentity

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> >> Infact we are using **WindowsIdentity** to authenticate to our
> >> webservice,right?
> >>
> >> What I was looking for is to authenticate to the webservice in
> >> something like where "LogonUser" is an API which I can use in
> >> conjunction with the WindowsIdentity class to create a new temporary
> >> identity to impersonate with later :
> >>
> >> public static WindowsIdentity CreateIdentity(string User, string
> >> Domain,
> >> string Password)
> >> {
> >> // The Windows NT user token.
> >> IntPtr tokenHandle = new IntPtr(0);
> >> const int LOGON32_PROVIDER_DEFAULT = 0;
> >> const int LOGON32_LOGON_NETWORK_CLEARTEXT = 3;
> >> tokenHandle = IntPtr.Zero;
> >>
> >> // Call LogonUser to obtain a handle to an access token.
> >> bool returnValue = LogonUser(User, Domain, Password,
> >> LOGON32_LOGON_NETWORK_CLEARTEXT,
> >> LOGON32_PROVIDER_DEFAULT,
> >> ref tokenHandle);
> >> if (false == returnValue)
> >> {
> >> int ret = Marshal.GetLastWin32Error();
> >> throw new Exception("LogonUser failed with error code:
> >> " +
> >> ret);
> >> }
> >> //The WindowsIdentity class makes a new copy of the token.
> >> //It also handles calling CloseHandle for the copy.
> >> WindowsIdentity id = new WindowsIdentity(tokenHandle);
> >> CloseHandle(tokenHandle);
> >> return id;
> >> }
> >> Thanks again,
> >> Ali-R
> >> "Dilip Krishnan" <dkrishnan@NOSPAM.geniant.com> wrote in message
> >> news:227216632424123641457360@msnews.microsoft.com...
> >>
> >>> Hello ALI-R,
> >>> ws = web service. In your case web page as such is protected by IIS
> >>> (read
> >>> transport level). WS-Security gives you message level
> >>> authentication/integrity/confidentiality
> >>>
> >>> (has nothing to do with IIS or http). When you set the credentials
> >>> you are actually using windows/basic authentication supported by IIS.
> >>>
> >>> HTH
> >>> Regards,
> >>> Dilip Krishnan
> >>> MCAD, MCS.D.net
> >>> dkrishnan at geniant dot com
> >>> http://www.geniant.com
> >>>> what do you mean by they don't use windows security?
> >>>>
> >>>> Thanks
> >>>> "Dilip Krishnan" <dkrishnan@NOSPAM.geniant.com> wrote in message
> >>>> news:222455632423579221519936@msnews.microsoft.com...
> >>>>> Hello ALI-R,
```

microsoft.public.dotnet.framework.webservices: Re: Authenticate to a webservice by WindowsIdentity

```
> >>>> Both the methods you suggested use windows identity to
> >>>> authenticate!
> >>>> Only
> >>>>
> >>>> they dont use ws security. They use IIS authentication.
> >>>>
> >>>> HTH
> >>>> Regards,
> >>>> Dilip Krishnan
> >>>> MCAD, MCSD.net
> >>>> dkrishnan at geniant dot com
> >>>> http://www.geniant.com
> >>>>> I know how to authenticate to a webservice using either of these
> >>>>> ways(Assuming that rService represents the webservice):
> >>>>>
> >>>>> 1) rService.Credentials = new
> >>>>> System.Net.NetworkCredential("username","password","domainName");
> >>>>> 2)rService.Credentials =
> >>>>> System.Net.CredentialCache.DefaultCredentials;
> >>>>>
> >>>>> My question is that is there a way to authenticate to a user using
> >>>>> WindowsIdentity ???
> >>>>>
> >>>>> Thanks for your help
> >>>>>
> >
> >
>
>
```