

Re: Passing credentials from ASP.NET website to webservice

Source:

<http://www.derkeiler.com/Newsgroups/microsoft.public.inetsrvr.iis.security/2006-07/msg00023.html>

- *From:* "Consultant" <consultant_mcngp@xxxxxxxxxx>
 - *Date:* Wed, 5 Jul 2006 08:44:20 -0700
-

is the computer account for the web server trusted for delegation?

"Adarsh" <Adarsh@xxxxxxxxxxxxxxxxxxxxxxxxxxxxxx> wrote in message news:64961808-97D4-4961-B12F-4D31A1FC544A@xxxxxxxxxxxxxxxxxxxxx

Hi,

I have a problem with passing the default credentials from an ASP.NET web application residing on 1 web server(IIS) to a web service residing on another server(IIS). Below is the complete description.

The problem statement for the double hop issue in our product Email Manager Maintenance (EMM) is as follows:

Description: The current implementation of the EMM is that the EMM web applications (ASP.NET) are installed on the same web server which has Microsoft CRM (1.2/3.0) installed. The EMM web applications access the MSCRM

Web services which is part of the MS CRM server setup. This setup works fine since both the EMM web application and the web service reside on the same IIS server.

Problem statement: The new implementation of the EMM web application requires that the application be installed on a separate standard Windows 2000/2003 Server having IIS 6.0.

In such a case, the EMM web application needs to communicate to the MS CRM web service on another web server. In order to consume the web service, the web application will pass windows credentials to the web service proxy for authentication. The credentials to be passed have to be the default credentials. However, this involves passing credentials across servers from one IIS server to another IIS server. The main problem lies here as the

Re: Passing credentials from ASP.NET website to webservice

credentials need to "hop" across from 1 site to another. The following is the details of the environment setup for this implementation.

Server A (Domain controller) has the following installed:

1. Windows 2003 Server
2. Microsoft CRM 1.2
3. SQL Server 2000
4. IIS 6.0
5. MSCRMServices running in IIS.
6. Active Directory
7. Exchange Server 2003

Server B (Web server) has the following installed:

1. Windows 2003 Server
2. IIS 6.0 (default website set to integrated windows authentication)
3. EMM web site is installed in this web server

Below is the code where the credentials are being passed to the MSCRM web service proxy.

```
using System;
using System.Data;
using System.Net;
using System.Xml;
```

```
namespace CrmHelperClass
{
    public class CrmHelperClass
    {
        System.Net.ICredentials userCredentials;
        string crmServicesUrl;
        private System.Net.ICredentials adminCredentials;
        //Constructor
        public CrmHelperClass(string crmServiceUrl, string adminUsername, string adminPwd)
        {
            try
            {
                crmServiceUrl = "http://10.200.167.250:80/MSCRMServices;
                adminUsername = encrypObj.Decryptedvalue(adminUsername);
                adminPwd=encrypObj.Decryptedvalue(adminPwd);
                //Get the admin credentials for MS CRM
                adminCredentials=new
                System.Net.NetworkCredential(adminUsername,adminPwd,domainname);
                //Get the User credentials
                userCredentials = System.Net.CredentialCache.DefaultCredentials;
                //Get the BizUser CRM proxy object
                oBizUser = new Microsoft.CRM.Proxy.BizUser();
                oBizUser.Credentials = userCredentials;
                oBizUser.Url = crmServicesUrl + CrmHelperConstants.CRMBizUserUrl; //
```

Re: Passing credentials from ASP.NET website to webservice

```
BizUserUrl = BizUser.srf  
//Authenticate the logged in user credentials against the CRM web service  
oUserAuth = oBizUser.WhoAmI();  
}  
catch(System.Web.Services.SoapException err)  
{  
throw;  
}  
catch(Exception ex)  
{  
throw ex;  
}  
}  
}
```

If anybody has a solution to fix the issue, it will be highly appreciated.

Cheers,
Adarsh