

Re: HttpResponseMessage/HttpRequest problem...

Source: <http://www.tech-archive.net/Archive/DotNet/microsoft.public.dotnet.faqs/2004-06/0017.html>

From: Feroze [MSFT] (ferozed_at_online.microsoft.com)

Date: 06/03/04

Date: Thu, 3 Jun 2004 14:12:21 -0700

The way authentication works is : you send a request to the server. If the server wants to authenticate you, it will reply with a 401. Then the client sends another request with credentials, and if they creds are correct, the server would respond with 200 (or another 401 if the creds are wrong).

from what I understand, you want to:

- a) authenticate with the server using digest auth + credentials.
- b) after successful auth, server sends you a cookie.
- c) on subsequent requests, you want to use the cookie to access the server.

If this is correct, you just need to set a CookieContainer on the webrequest. This container will contain all cookies sent by the server. The cookies will be sent automatically on subsequent request.

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feroze

http://weblogs.asp.net/feroze_daud

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"Satinderpal Singh" <satinderpals@planetasia.com> wrote in message

news:OqqHzQISEHA.3944@tk2msftngp13.phx.gbl...

>

> Hi everyone,

>

> We are using HttpRequest to create a request to a URI, which requires us

> to login first. In order to process all the transactions, first we have to login and get the cookie value in a variable and make the request again with

> that cookie as a header value (Digest Authentication).

> But, the problem we are facing is: That the HttpRequest is getting two responses simultaneously, which means that the code should wait after the first response is received, throw an error, so that we can take the cookie value and make a request again, but, its not working that way, the request objects gets two values as response (we watched it through Packet Sniffer).

> Packet Sniffer shows two responses received, the first one is 401 and the second one is the successful one. Ideally it should break the code after 401, but it doesn't, any clue as to why it doesn't wait after the first response ? Could there be any problem with the server ? Or anything wrong

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> with our code (mentioned below).
>
> The server (ASPX URL) we are trying to connect has .NET Framework 1.1 and
> Http/1.1
>
> Following is the code we are using to get the response object from the
> request:
>
> HttpWebRequest request = null; // Holds the instance of Http request
>
> try
>
> {
>     request = (HttpWebRequest)WebRequest.Create(new Uri(uri));
>
>     if(ParameterTable.ContainsKey("UserName"))
>     {
>         if(ParameterTable.Contains("Password"))
>         {
>             request.Credentials = new NetworkCredential
> ((String)ParameterTable["UserName"],(String)ParameterTable["Password"]);
>         }
>     }
>
>     if(ParameterTable.ContainsKey("Cookie"))
>     {
>         if (!requestParameters.ContainsKey("Cookie"))
>         {
>             requestParameters.Add("Cookie",ParameterTable["Cookie"]);
>         }
>     }
>
>     if(ParameterTable.ContainsKey("Authorization"))
>     {
>         if (!requestParameters.ContainsKey("Authorization"))
>         {
>
> requestParameters.Add("Authorization",ParameterTable["Authorization"]);
>         }
>     }
>
>
>     if(UserAgent!=null && UserAgent!="")
>     {
>         request.UserAgent = UserAgent;
>     }
>     else
>     {
>         request.UserAgent = "RETSExpress/1.0";
>     }
>
>
>
>     HttpWebResponse wr = (HttpWebResponse)request.GetResponse();
>     StreamReader sr = new StreamReader(wr.GetResponseStream());
>     string abc = sr.ReadToEnd();
>     return (HttpWebResponse)request.GetResponse();
> }
>
> catch.... part...
>
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> In the above code either the value of abc should be both the responses, or
> it should break after 401 and get in to the catch part. This code works
> smooth with most of the URIs, its only one URI which is giving problem.
>
> Responses Received:
> -----
--
> -----
--
> -----
> HTTP/1.1 401 Unauthorized
> Server: Microsoft-IIS/5.0
> Date: Wed, 02 Jun 2004 09:20:18 GMT
> X-Powered-By: ASP.NET
> X-AspNet-Version: 1.1.4322
> WWW-Authenticate: Digest qop="auth", realm="Server@metrolist.com",
> nonce="40f1e303f5389bfff1864edee6c308795",
> opaque="c05d7e6b44c97bf3d38ccee27f34b10b"
> RETS-Version: RETS/1.5
> Local Time: 6/2/2004 3:20:17 AM
> Request client: 203.200.29.119
> Error: NO_NONCE
> Set-Cookie: ASP.NET_SessionId=zm0hcr55iia33jbtX4czxibj; path=/
> Set-Cookie: RETS-Session-ID=RETSSESS-252f7f30-d2ab-4944-847b-ed8f207c2628;
> path=/
> Cache-Control: private
> Content-Type: text/xml
> -----
--
> -----
--
> -----
> Immediately after the above response, the next response it shows in Packet
> Sniffer is:
>
> -----
--
> -----
--
> -----
> HTTP/1.1 200 OK
> Server: Microsoft-IIS/5.0
> Date: Wed, 02 Jun 2004 09:20:25 GMT
> X-Powered-By: ASP.NET
> X-AspNet-Version: 1.1.4322
> WWW-Authenticate: Digest qop="auth", realm="Server@metrolist.com",
> nonce="40f1e303f5389bfff1864edee6c308795",
> opaque="c05d7e6b44c97bf3d38ccee27f34b10b"
> RETS-Version: RETS/1.5
> Local Time: 6/2/2004 3:20:24 AM
> Request client: 203.200.29.119
> Error:
> Transfer-Encoding: chunked
> Set-Cookie: ASP.NET_SessionId=holdj5vsbme0152q4hzun33f; path=/
> Cache-Control: private
> Content-Type: text/xml; charset=utf-8
>
>
> Though it should have returned back to the code after the 401 unauthorized
> error as a WebException, which works fine with all the other URIs.
>
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> Any help would be highly appreciated. Sorry for a long description, but we
> thought it would make sense to put as much info. as possible.

>

> Thanks

> Satinder

>

>