

# Re: httpwebrequest with https behind proxy with authentication

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*Source:*

<http://www.tech-archive.net/Archive/DotNet/microsoft.public.dotnet.framework/2007-12/msg00160.html>

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- *From:* [stcheng@xxxxxxxxxxxxxxxxxxxxxx](mailto:stcheng@xxxxxxxxxxxxxxxxxxxxxx) (Steven Cheng[MSFT])
  - *Date:* Wed, 12 Dec 2007 03:20:34 GMT
- 

Hi Andrea,

Thanks for your followup. I've read the kb article, and I agree that the issue it describes seems quite fit your scenario. As the article mentioned, for such hotfix, you'll need to contact CSS to confirm whether your problem match the hotfix condition and if necessary you can obtain the hotfix from them:

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To resolve this problem immediately, contact Microsoft Customer Support Services to obtain the hotfix. For a complete list of Microsoft Customer Support Services telephone numbers and information about support costs, visit the following Microsoft Web site:

<http://support.microsoft.com/contactus/?ws=support>

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Sincerely,

Steven Cheng

Microsoft MSDN Online Support Lead

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From: "Andrea Pierini" <[andrea\\_maticad@xxxxxxxxxxxxxx](mailto:andrea_maticad@xxxxxxxxxxxxxx)>

References: <[E7967F89-31FB-468A-8B0F-05BD3B770C04@xxxxxxxxxxxxxx](mailto:E7967F89-31FB-468A-8B0F-05BD3B770C04@xxxxxxxxxxxxxx)>

<[0dEVtUIOIHA.7908@xxxxxxxxxxxxxxxxxxxxxxxxxx](mailto:0dEVtUIOIHA.7908@xxxxxxxxxxxxxxxxxxxxxxxxxx)>

<[A83DD1A4-8C6C-4653-AF56-31D5F6C027CE@xxxxxxxxxxxxxx](mailto:A83DD1A4-8C6C-4653-AF56-31D5F6C027CE@xxxxxxxxxxxxxx)>

Re: httpwebrequest with https behind proxy with authentication

In-Reply-To: <A83DD1A4-8C6C-4653-AF56-31D5F6C027CE@xxxxxxxxxxxxxx>

Subject: Re: httpwebrequest with https behind proxy with authentication

Date: Mon, 10 Dec 2007 09:24:00 +0100

Hi to all,  
after searching and searching perhaps I have found the problem, it is documented in Microsoft KB928563. Can anyone who has access to the

hotfixes

confirm this?  
Regards,  
Andrea Pierini

"Andrea Pierini" <andrea\_maticad@xxxxxxxxxxxxxx> wrote in message  
[news:A83DD1A4-8C6C-4653-AF56-31D5F6C027CE@xxxxxxxxxxxxxx](mailto:news:A83DD1A4-8C6C-4653-AF56-31D5F6C027CE@xxxxxxxxxxxxxx)

Hi Steven,  
first of all thanks for your answer.  
Our proxy server uses NTLM authentication and as you suggested I

modified

the code as follows:

\*\*\*\*\*

WebRequest req =

WebRequest.Create("<https://www.domus3d.com/ws/test.txt>);

Uri proxyuri = new Uri("http://192.168.0.6:3128");  
WebProxy proxy = new WebProxy(proxyuri, true);  
NetworkCredential cred = new NetworkCredential("administrator", "xxxxx",  
"WEBSERVER12");  
CredentialCache credcache = new CredentialCache();  
credcache.Add(proxyuri, "NTLM", cred);  
proxy.UseDefaultCredentials = false;  
proxy.Credentials = credcache;  
req.Proxy = proxy;  
WebResponse res = req.GetResponse();  
\*\*\*\*\*

I still receive "The remote server returned an error: (407) Proxy  
Authentication Required." and it works if I use http instead of https or  
if I disable authentication on the proxy (I can do it to make some

tests,

but our customers can't). This is the proxy server log:

\*\*\*\*\*

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```
1197019352.005 0 192.168.0.250 TCP DENIED/407 2108 CONNECT
www.domus3d.com:443 - NONE/- text/html
1197019425.021 73000 192.168.0.250 TCP MISS/200 3322 CONNECT
www.domus3d.com:443 webserver12\administrator DIRECT/62.149.195.31
=
1197019632.552 0 192.168.0.250 TCP DENIED/407 1839 GET
http://www.domus3d.com/ws/test.txt - NONE/- text/html
1197019632.568 0 192.168.0.250 TCP DENIED/407 2153 GET
http://www.domus3d.com/ws/test.txt - NONE/- text/html
1197019632.599 31 192.168.0.250 TCP HIT/200 464 GET
http://www.domus3d.com/ws/test.txt webserver12\administrator NONE/-
application/octet-stream
1197021220.771 39422 192.168.0.250 TCP MISS/200 3466 CONNECT
www.domus3d.com:443 webserver12\administrator DIRECT/62.149.195.31
=
*****
```

Line #1 is the .Net code trying to access the file over https (doesn't work); line #2 is FireFox successfully accessing the file over https;

line

#3/4/5 is the .Net code successfully accessing the file over http; line

#6

is Internet Explorer successfully accessing the file over https. It

seems

that the .Net code doesn't pass the proxy authentication over HTTP CONNECT.

Any idea?

Thanks in advance.  
Andrea Pierini

"Steven Cheng[MSFT]" <stcheng@xxxxxxxxxxxxxxxxxxxx> wrote in message news:0dEVtUIOIHA.7908@xxxxxxxxxxxxxxxxxxxxxxxxxxxx

Hi Andrea,

From your description, you're using WebRequest component to download a file from a remote webservice. That webservice is accessed through a proxy

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and

the proxy also require authentication. However, you found your

webservice

client always get proxy authentication error, correct?

Based on the code snippet you provided, you directly create a NetworkCredential (with username/password pair) and send it via

WebProxy.Credentials. One potential things here is that whether you've confirmed what kind of Authentication Type is the webproxy using?

Integrated windows or basic or ...?

Generally, when sending credential through NetworkCredential, it is recommended that you explicitly supply the authenticationType(via CredentialCache class). e.g.

```
=====  
CredentialCache cache = new CredentialCache();  
cache.Add( new Uri(proxy.Url),  
// Web service URL  
"Negotiate",  
// Kerberos or NTLM  
new NetworkCredential("username", "password",  
"domainname")  
);
```

proxy.Credentials = cache;

=====

the following thread has also mentioned this:

<http://forums.microsoft.com/MSDN/ShowPost.aspx?PostID=1772251&SiteID=1>

You can try looking at this to see whether this is the cause.

BTW, also check the behavior when you visit it in IE(whether there is any warning or error you interactively ignore), since any interactively ignorable error will cause exception in programmatic code.

Sincerely,

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Steven Cheng

Microsoft MSDN Online Support Lead

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Get notification to my posts through email? Please refer to

<http://msdn.microsoft.com/subscriptions/managednewsgroups/default.aspx#notif>

ications.

Note: The MSDN Managed Newsgroup support offering is for non-urgent issues where an initial response from the community or a Microsoft Support Engineer within 1 business day is acceptable. Please note that each follow up response may take approximately 2 business days as the support professional working with you may need further investigation to reach

the

most efficient resolution. The offering is not appropriate for

situations

that require urgent, real-time or phone-based interactions or complex project analysis and dump analysis issues. Issues of this nature are

best

handled working with a dedicated Microsoft Support Engineer by

contacting

Microsoft Customer Support Services (CSS) at <http://msdn.microsoft.com/subscriptions/support/default.aspx>.

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From: "Andrea Pierini"  
<andrea\_maticad@xxxxxxxxxxxxxx>  
Subject: httpwebrequest with https behind proxy with authentication  
Date: Thu, 6 Dec 2007 16:26:19 +0100

Hi to all,  
I have a problem to download a file with httpwebrequest when  
https protocol is used  
the client is behind a proxy that requires authentication

For example consider the following code:

```
WebRequest req =  
WebRequest.Create("https://www.domus3d.com/ws/test.txt);  
req.Proxy = new  
WebProxy("http://192.168.0.6:3128, true);
```

//

```
Proxy available at IP 192.168.0.6 on port  
3128  
req.Proxy.Credentials = new  
NetworkCredential("user", "pwd",  
"domain"); // Proxy network credentials  
WebResponse res = req.GetResponse();
```

I always receive "The remote server returned an error: (407) Proxy Authentication Required." What's wrong?  
Note that if I make the request

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over http the code works and with Internet Explorer I can open the file either over http or over https.

Thanks in advance for any help.  
Andrea Pierini

PS: I've seen that many users experience the same problem with WSUS 3.0 behind a proxy with authentication

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