

## Re: Proxy server with HttpListener

---

*Source:*

<http://www.tech-archive.net/Archive/DotNet/microsoft.public.dotnet.framework.webservices/2006-08/msg00111.htm>

---

- *From:* "Sadiq" <[sadeeq.jan@xxxxxxxxx](mailto:sadeeq.jan@xxxxxxxxx)>
  - *Date:* 24 Jul 2006 06:54:34 -0700
- 

hi,  
well you have to modify the code. You can write your own authentication class using sockets that will write the authentication details to your company proxy..(obviously that would be running on some network port, so you need to send and receive data on that port using your socket in your authentication class).

Now when you receive first request in HTTPClient Class then instead of forwarding it to the remote host directly, first you call your authentication class using whatever credentials you provide, that class will write the credentials to your company proxy and receives the response, once you get the response then you need to simply forward that captured HTTP request to your company proxy. Instead of the remote host address you need to initialize your remotehost in HTTPClient class to the IP Address and port of your company proxy...rest it will handle itself....

hope this helps..

Pro1712 wrote:

Hi,

What I want to do is this:

My browser makes a request to the Proxy. The Proxy authenticates to the company's proxy and sends the request to the company's proxy. This proxy connects to the destination site and gets the pages.

The class HttpClient tries to connect directly to the destination. This of course fails.

So my problem is to authenticate to the company's proxy and forward the request and then receive the answer and send it back to the browser.

I have no idea how to do this...

Thanks!

## Re: Proxy server with HttpListener

Sadiq schrieb:

Hello,  
Do you mean Authentication to the proxy? or to any website using the proxy..  
There are authentication classes in the proxy project like "AuthenticatonList.cs", AuthBase.cs, AuthUserPass.cs etc...have a look if it works for you. otherwise you have to write your own class for authentication and call it before the HTTPClient class.

Use IPAddress.Parse. ( or IPAddress.Equals)

Regards,  
Sadeeq

Pro1712 wrote:

Hello,

how can I add authentication to the HttpClient?

How did you convert the function IPAddress.Address to .NET 2.0?

Can you help me?

Thanks for your help!

Sadiq schrieb:

Hi,  
Yes its written in .NET 1.0 but it doesnt require much modifications for .NET 2.0 if you are only using it as HTTP Proxy, you need only few classes in that case. In my case yes i considerably changed them to suit my needs and rewritten the classes in VB.NET and .NET 2.0 instead of C#.  
I am not sure whether it will work with IPV6 or not, you can check it.  
The point is that you can get the basic idea and then write your own.  
I dont think there is any other open source

Re: Proxy server with HttpListener

proxy that is made in .NET.  
You can find many in Java or other  
languages.

Best Regards

/sadeeq

Pro1712 wrote:

Thanks for your answer!

I looked at the sample.  
It's written for .NET 1.0.  
Did you update it for .NET  
2.0?  
It will not work for IPv6.  
But this is necessary for my  
project...

Do you know any other  
samples?

Thanks!!!

Sadiq schrieb:

I had tried  
this but i  
would not  
recommend  
to use it as  
HttpListener  
gives  
strange  
behaviour  
and you  
won't be  
able to get  
your proxy  
at work  
completely.  
still if you  
want to try  
your luck  
then, You  
can forward  
the

## Re: Proxy server with HttpListener

request got  
from  
HttpListenerRequest  
using  
HttpWebRequest  
class and  
get the  
response  
back from  
the web  
server using  
HttpWebResponse  
class,  
then you  
can write  
back this  
response to  
the  
HttpListenerResponse  
object.

After appx  
2 months of  
work i  
wasnt able  
to solve  
some errors  
of  
HttpListener  
so then i  
changed my  
approach  
and shifted  
towards  
sockets.

For  
examples in  
.NET you  
can see the  
source code  
of Mentalis  
proxy at  
<http://www.mentalis.org/soft/projects/proxy/>

Good luck

/Sadeeq

Pro1712  
wrote:

Re: Proxy server with HttpListener

Hello,

I  
need  
to  
write  
a  
simple  
proxy  
server.  
What  
I  
want  
to  
do  
is  
to  
use  
HttpListener  
to  
get  
requests  
from  
the  
browser,  
add  
some  
proxy  
information  
and  
some  
other  
stuff  
and  
send  
the  
request  
to  
the  
internet.  
Then  
I  
want  
to  
send  
the  
answer  
back  
to  
the  
browser...

Re: Proxy server with HttpListener

Sounds  
simple...

But  
how  
can  
I  
do  
this?

Has  
anyone  
done  
this  
before?  
Is  
there  
an  
example?

I  
already  
tried  
to  
find  
something  
but  
I  
had  
no  
luck  
so  
far...

Alle  
samples  
I  
found  
so  
far  
show  
some  
really  
basic  
information,  
but  
nothing  
that  
really  
helped  
me...

How

Re: Proxy server with HttpListener

can  
I  
send  
the  
HttpListenerRequest  
to  
the  
internet  
and  
put  
the  
answer  
back  
in  
the  
HttpListenerResponse?

Thanks  
for  
your  
help!