

Re: HTTPhandlers

Source: <http://www.tech-archive.net/Archive/DotNet/microsoft.public.dotnet.framework/2004-09/1377.html>

From: Girish Bharadwaj (girishb_at_mvps.org)

Date: 09/15/04

Date: Wed, 15 Sep 2004 09:31:16 -0400

Umm, I dont think it works that way. HttpContext is transient. It can only exist in the context of the ..umm.. Current request.

See the Architecture overview of how IIS works:

<http://msdn.microsoft.com/library/default.asp?url=/library/en-us/iissdk/iis/iisarchitectureoverview.asp>

Anyway, I think you should probably consider coding it at lower C++ level (may be at the sockets level). I dont think HTTPhandlers are capable of doing this.

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Girish Bharadwaj

<http://msmvps.com/qbvb>

"daFou" <daFou@discussions.microsoft.com> wrote in message news:35538620-7FC3-46B4-9008-4002B385F20F@microsoft.com...

> Richard,

>

> Exactly how I keep the connection alive for indefenet is not important for

> my problem. If you are interested to learn how I do it we can engage in a > seperate discusion about this after I solved my problem.

>

> My problem is that I use a TcpListener on what ever port is not in use. But

> some users can't use many ports other then 80. When I try to have the > TcpListener listen on port 80 I get this error stating that port is already

> in use or something.

> This is totally bogus and thus I thought of using HTTPhandlers to redirect > incomming requests and store them.

> Some request get redirected and others are left to any other process that > wants them like IIS or some other web server.

>

> I really dont feel like lower level c++ winsock programming and want a clean

> way of doing this.

>

> Regards,

>

> DaFou

> "Richard Blewett [DevelopMentor]" wrote:

>

> > The link you provided does not explain how to hold a connection open over HTTP - unless the answers to the query do, but this requires a subscription which I'm not prepared to pay. Is there any other way for me to be able to see the technique that keeps an HTTP based connection active over

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a long period? As far as I know, any HTTP server is going to nuke the connection from the server side after about 30 seconds of inactivity.

> >

> > Regards

> >

> > Richard Blewett - DevelopMentor

> >

> > <http://staff.develop.com/richardb/weblog>

> >

> >

[nntp://news.microsoft.com/microsoft.public.dotnet.framework/](http://news.microsoft.com/microsoft.public.dotnet.framework/)

> >

> > As I explain in the link I provided I CAN keep the connection open using the

> > HTTP protocol. HTTP is nothing more than a pre defined set of commands so HTTP

> > in itself is not stateless. I am not looking to debate whether my ChatServer

> > works or not because it does work.

> > The only problem I have is I use a TcpListener and I cannot use that on port

> > 80 because IIS is already listening on that port and I need my program to

> > work on port 80.

> >

> >

> > "Girish Bharadwaj" wrote:

> >

> > > One thing you can probably do is to have a different port based server to

> > > which you make the request to do the connection with the user and maintain

> > > that connection. But, as Richard says, you cannot get there from here.

> > >

> > >

> > > --

> > > Girish Bharadwaj

> > > <http://msmvps.com/gbyb>

> > > "Richard Blewett [DevelopMentor]" <richardb@develop.com> wrote in message

> > > news:ejE9wNlmEHA.1136@TK2MSFTNGP10.phx.qbl...

> > > What you NEED and whether the communications protocol you have selected

> > > can support it are two different issues.

> > >

> > > HTTP is a stateless protocol. You cannot keep connections open over long

> > > periods (keep-alives are not designed for this).

> > >

> > > > So sorry, you cannot take the approach you want with HTTP

> > > >

> > > > Regards

> > > >

> > > > Richard Blewett - DevelopMentor

> > > >

> > > > <http://staff.develop.com/richardb/weblog>

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<http://news.microsoft.com/microsoft.public.dotnet.framework/>
> > > >
> > > > I NEED to maintain an active connection to be able to create an efficient
> > > > chat application on port 80 without the use of flash or java or active x.
> > > > Please read this link:
> > > >
> > > > http://www.experts-exchange.com/Programming/Programming_Languages/Dot_Net/O_21129241.html
> > > > It explains what I want to do.
> > > >
> > > > It comes down to that I have written this very efficient DHTML chat
> > > > server
> > > > that maintains an active connection with the browser. But I use a
> > > > TcpListener
> > > > to make it work and this means I cannot have the DHTML server work
> > > > on
> > > > port 80.
> > > > So I figured to use HTTPhandler to intercept certain requests on
> > > > port 80
> > > > and
> > > > pass them to the DHTMLchatServer.
> > > >
> > > > Any advice would be welcome
> > > >
> > > >
> > > > "Girish bharadwaj" wrote:
> > > >
> > > > > If you look at the help for HttpContext: " Encapsulates all
> > > > > HTTP-specific
> > > > > information about an individual HTTP request. ". By definition,
> > > > > Context
> > > > > is
> > > > > > only per request. If you want more that information or want to do
> > > > > > something
> > > > > > across invocations, you might have to consider some of the state
> > > > > > management
> > > > > > schemes presented by ASP.NET such as Cookies, ViewState, Session
> > > > > > ,Application or Cache.
> > > > > >
> > > > > > --
> > > > > Girish Bharadwaj
> > > > > <http://msmvps.com/qbvb>
> > > > > "John Saunders" <johnwsaundersiii@notcoldmail.com> wrote in
> > > > > message
> > > > > > news:%238\$f0zemEHA.2788@TK2MSFTNGP10.phx.qbl...
> > > > > > "daFou" <daFou@discussions.microsoft.com> wrote in message
> > > > > > news:1f690c94-2fb5-43f8-b295-ec981805906e@microsoft.com...
> > > > > > > Hi ALL,
> > > > > > >
> > > > > > > How do I prevent the ProcessRequest method from the
> > > > > > > IHttpHandler
> > > > > > > Class
> > > > > > > > from
> > > > > > > > > closing the http connection and killing the context after the
> > > > > > > > > ProcessRequest
> > > > > > > > > method has ended.
> > > > > > > > >
> > > > > > > > > > TO further explain what I want please read this link:
> > > > > > > > > >
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> > > > > > > > > >

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> > >
http://www.experts-exchange.com/Programming/Programming_Languages/Dot_Net/Q_21129241.html
> > > > >
> > > > > Q: How do I prevent ProcessRequest from closing the connection when
> > > it's
> > > > > done?
> > > > > A: You don't
> > > > >
> > > > > ASP.NET doesn't work that way. It's all about request/response. Once
> > > the
> > > > > response has been sent, the request is over and gone, as though it
> > > had
> > > > > never
> > > > > existed (except for anything persistent which the request may have
> > > done).
> > > > >
> > > > > If you need to keep connections open for an indefinite period of
> > > time,
> > > > > then
> > > > > you need to stop using ASP.NET.
> > > > > --
> > > > > John Saunders
> > > > > johnwsaundersiii at hotmail
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> > > > >
> > > > >
> > > > >
> > > > > ---
> > > > Incoming mail is certified Virus Free.
> > > > Checked by AVG anti-virus system (<http://www.grisoft.com>).
> > > > Version: 6.0.760 / Virus Database: 509 - Release Date: 10/09/2004
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> > > > [microsoft.public.dotnet.framework]
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