

Re: Performance Problems with Probing

Source:

<http://www.tech-archive.net/Archive/DotNet/microsoft.public.dotnet.framework.windowsforms/2004-08/1122.html>

From: Jediah L. (*rife_at_nospam.nospam*)

Date: 08/25/04

Date: Wed, 25 Aug 2004 16:18:19 -0400

Thanks Jeff.

In our case – we have approximately 3,000 users – but they are all intranet users – so we could force IE settings if it would help.

What we are finding to be the more specific problem is this.

When We have a method (executing on the client) in javascript inside of an HTML page – that requests to download 10 XML files – it will attempt the first as Anonymous – and the other 9 as authenticated (I may have stated otherwise in a previous email – if so I apologize).

In our .Net smart client – the connections are stateless – so we open and close a connection for each request – so when we request 10 XML files – we end up trying ANON and then NTLM AUTH for each of the ten files – thus making 20+ HTTP requests for the 10 requested files.

It would be nice if we could tell our Web Request object – don't bother trying ANON – use the Credentials we supplied (We do supply the credentials too).

The Question #2 I believe had more to do with the additional probing that .Net does when using embedded Windows Form User Controls in IE. We have found that even though we specify a probing path (/assemblies in our example) – it always goes through a series of probes first no matter what – so for a file named Search.dll it looks for this:

```
/Search.dll
/Search/Search.dll
/bin/Search.dll
/bin/Search/Search.dll
/assemblies/Search.dll – receives 401 as it was Anon
/assemblies/Search.dll – 200 / or 304
```

How can we force it to stop probing needlessly – besides moving all of our assemblies into the root folder?

The Question #3 we have been expericing this issue very sporadically – one minute it will cache – one minute it will not.

I've found when it is not caching – the client is not setting the If-Modified-Since headers – although I can't figure out why. In our case – the files haven't been modified in almost a week; and previous 200 responses do return the Last-Modified header.

The Expiry headers are not set at all – and we continue to get sporadic responses of caching and no caching.

Any other information / suggestions you can provide would be great.

Thanks!

""Jeffrey Tan[MSFT]"" <v-jetan@online.microsoft.com> wrote in message news:Mefh9qOiEHA.3724@cpmsftngxa10.phx.gbl...

> *Hi Jediah,*

>

> *Sorry for letting you wait for so long time.*

> =====

> *1. Based on my understanding, your #1 requirement is disabling the anonymous authentication to improve your Asp.net application performance.*

>

> *First, this requirement can only be done at server side, because you can not force all the client customer browser(IE) to do anything. But again, this http authentication request can only be controlled at client IE side, because IE always send anonymous request, then with windows account information. This indicates that this requirement can not be controlled.(As*

> *I originally said, you can not control million client's browser setting)*

> *Second, the key performance issue of Asp.net Application is server side code parsing, Html code rendering and Html code client parsing, but not the*

> *HTTP request, so you may pay more attention to improve the application performance. For more information about improving Asp.net performance, please refer to:*

> *"Improving ASP.NET Performance"*

> *<http://msdn.microsoft.com/library/default.asp?url=/library/en-us/dnpag/html/scalenetchapt06.asp>*

> *Third, NTLM authentication is a complex authentication, which involves several HTTP request and authentication information exchange. And the first*

> *anonymous http request time can be ignored comparing with the NTLM authentication.*

>

> *2. I think it is the same as the first question*

>

> *3. First, you may check IIS setting's "HTTP headers" tabpage, if you set "Enable Content Expiration" with "Expiration Immediately".*

> *Second, using the siffer, you may check, if the IIS reponse has "no-cache"*

- > *http header.*
- > *Third, I think the problem may be on your specific IE side. You may do*
- > *some*
- > *test to confirm this:*
- > *Does your problem machine request other server pages?*
- > *Does other machine's IE also has this problem?*
- >
- > =====
- > *Thank you for your patience and cooperation. If you have any questions or*
- > *concerns, please feel free to post it in the group. I am standing by to be*
- > *of assistance.*
- >
- > *Best regards,*
- > *Jeffrey Tan*
- > *Microsoft Online Partner Support*
- > *Get Secure! – www.microsoft.com/security*
- > *This posting is provided "as is" with no warranties and confers no rights.*
- >