

Re: .NET Client calling Java webservices. Slow Performance

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Can you factor out COM in this case?

What happens if you have a C# client directly calling the AXIS service 3 times in succession?

I wasn't clear, after reading your description, whether you tried and measured this scenario. There is some overhead in traversing the .NET-to-COM interop barrier, and I am wondering if you have eliminated it from your analysis. Can you also measure the converse: that is, a .NET object in C# or VB.NET, exposed as a COM, which does nothing. How long does it take to invoke that thing, three times in succession?

If the AXIS webservice is simple, you can also invoke it directly from VB (or VBScript, Javascript, etc) by using the MSXML object family.

like so:

<http://www.winisp.net/cheeso/srcview.aspx?dir=misc&file=ZipClient.js>

But you have to do more work this way.

-Dino

"Lakshmi" <Inarasimhamurthy@labvantage.com> wrote in message news:3ecfb1f7.0407160656.1f7e8e05@posting.google.com...

> *Hi All,*

> *I am having performance issues with the .NET client calling the Java Webservice running on axis. Have detailed the problem below. Please help.*

>

> *I wrote a webservice in Java. Lets name this WebService1. (using Apache Axis 1.1)*

>

> *Scenario 1:*

> -----

> *I have a VB.NET code exposed as COM. Lets call it VBNETCOM. I added a webreference to my Webservice1 from VBNETCOM (using Visual Studio.NET*

> 2003). So in my .NET code, all I have to do is instantiate the
> *WebService1* object and start calling methods on it.
> Eg:
> *Dim WebService1 ws as new WebService1*
> *ws.callMethod1()*
> *ws.callMethod1()*
> *ws.callMethod1()*
>
> Please note that the same method is being called 3 times. Now my
> problem is
> that each of the calls to the methods take about half a second.
> (500ms)
> which is unacceptable.
>
> Scenario 2:
> -----
> So I did another test. This time the client calling the "WebService1"
> is not
> VB.NET COM but a Java client itself.
> Eg:
> *Call call = (Call) service.createCall();*
> ... // other code
>
> *returnvals= (Object[]) call.invoke(values); // method1*
> *call.removeAllParameters();*
> ... // other code
>
> *returnvals= (Object[]) call.invoke(values); // method1*
> *call.removeAllParameters();*
> ... // other code
>
> *returnvals= (Object[]) call.invoke(values); // method1*
>
> In this case, the first call to *method1*, takes about 300ms, but
> subsequent
> calls take only 50 – 90 ms. Please note that in this case, I am
> reusing the
> call object, but when I am not, doesn't make any difference. Which
> leads to the conclusion, some kind of caching is connection is done.
>
> Question:
> -----
> How to improve the performance of the webservice call from VB.NET so
> that it performance at the same level if not better than the Java
> client?
> Is this some change that needs to be done at axis settings? or at
> VB.NET? I tend to feel that there is some setting that I need to set
> in my .NET Client, so that it can cache some information, but don't
> know what it is, me being new to .NET platform as such.
>
>

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- > *I also tried using a different client, written in C# but I get the same*
- > *performance as in VB.NET.*