Re: XML/A Performance

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From: Wayne M (*wmdev_at_yahoo.co.uk*)
Date: 02/12/04

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We are using Integrated Security.

Akshai, your theory seems to support our evidence. If authentication is being done for every request, then it will be slow. It seems that the XML/A proxy tries to connect as anonymous first (I think this confirms to the HTTP 1.1 spec), it gets a HTTP 401 status code and then it will resend with authentication; this time a successful HTTP 200 is returned. The evidence for this is in our IIS logs. There are two posts to msxisapi.dll for every request − the first comes back with a 401, the second is fine with a 200.

Both this and Mosha's earlier post regarding Nagling are real concerns for us. We have a web clustered architecture with a user base of thousands, and we have engineered our application to be responsive by issuing relatively small executes, therefore a 200ms latency becomes more obvious.

Going forward, ADOMD.NET provides a very nice object model, but if it is based on XML/A rather than OLEDB then it too will perform badly.

Are both of these issues being looked at for the XML/A 1.1 release in a few weeks time?

Wayne

"Akshai Mirchandani [MS]" <akshaim@online.microsoft.com> wrote in message news:<OAmUe6O8DHA.3288@TK2MSFTNGP11.phx.gbl>...
> Were you using Integrated Authentication or was it Anonymous? My belief is
> that this perf issue is being caused by the fact that we didn't properly
> support Keep−Alives of HTTP 1.1 and so for authenticated connections the TCP
> connection was being destroyed and re−created for every request. This would
> also cause authentication to be done for every message instead of only once
> for the first connection.
>
> Thanks,
> Akshai