

1st invocation of Web Service from client is very slow – solution?

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<http://www.tech-archive.net/Archive/DotNet/microsoft.public.dotnet.framework.webservices/2005-04/msg00329.htm>

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  - *Date:* 28 Apr 2005 03:50:02 -0700
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Hi everyone,

We have run into above problem recently. All I found so far are other people complaining that 1st invocation of a Web Service can be very slow, the problem size (delay) seems to depend on number of methods (maybe even exponentially) and no one knows of a solution (other than writing the client proxy yourself). Note I am talking about the client side (similar problem occurs on server side but is less severe since the server should in principle be up all the time, so paying the penalty once it tolerable). Some references I saw are below.

As I understand the problem is has to do with dynamic code creation and compilation on the client during construction of the proxy, in order to enable Soap serialization. Will this be avoided if I used remoting (maybe with Binary formatter)? Alternatively with .Net Web Services can I provide an interface or otherwise "guarantee" that the remote methods do not change signature, and get the proxy to compile once statically like "normal" function calls (I guess it should also be written to and read from disk instead of a memory cache)? I.e. I would like to compile once in design time vs multiple times in run time (each time application starts...).

Thanks,

-- Shaul Dar ([shauld@xxxxxxxxxx](mailto:shauld@xxxxxxxxxx))

References:

<http://www.dotnet247.com/247reference/messages/25/128911.aspx>

[http://groups.google.co.il/groups?l=iw&lr=lang\\_en|lang\\_iw&threadm=03bf01c2d7b1%2494747ac0%24a301280a%40](http://groups.google.co.il/groups?l=iw&lr=lang_en|lang_iw&threadm=03bf01c2d7b1%2494747ac0%24a301280a%40)

<http://groups.google.co.il/groups?th=36163f6e8be7f0bd&seekm=%2333t65aHEHA.3696%40TK2MSFTNGP10.phx.g>

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- Prev by Date: *Re: Web Service Configuration Error.*
- Next by Date: *Re: Client found response content type of '', but expected 'text/xml'*
- Previous by thread: *Serviced component calling web service problem*
- Next by thread: *Re: Client found response content type of '', but expected 'text/xml'*
- Index(es):
  - ◆ *Date*
  - ◆ *Thread*